

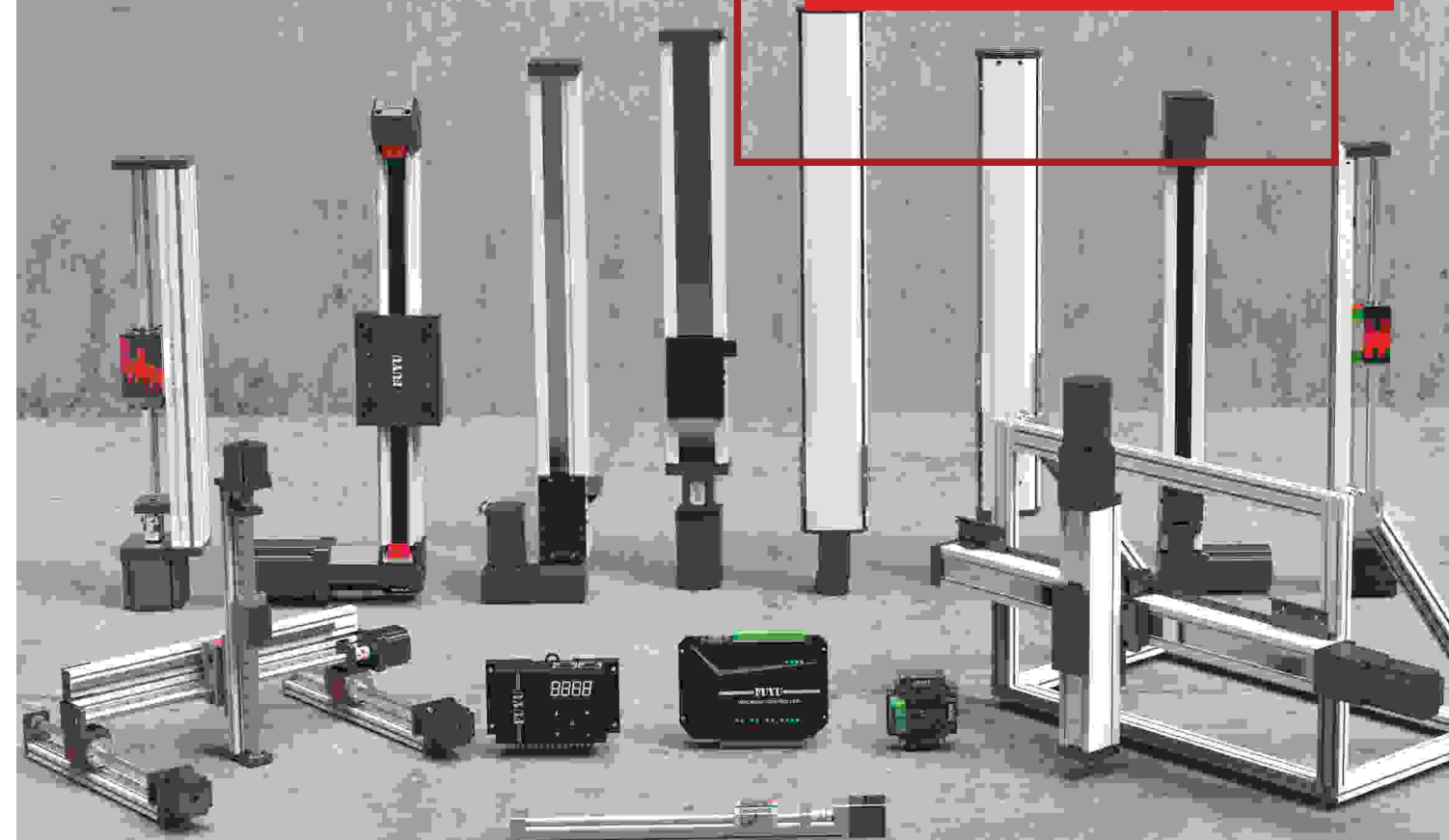


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www.fuyumotion.com (English)

直线运动系统智造商

LINEAR MOTION SYSTEM INTELLIGENT
PRODUCTS MANUFACTURER



FUYU
福誉科技

选型手册

PRODUCT
SELECTION
MANUAL

专业从事单轴及多轴直线模组滑台、运动控制器的研发、
生产、销售服务。

二零二二年 5.3

Specializing in the research and development, production and
sales of single-axis, multi-axis linear module and controllers.

协同共赢
持续精进
真实担当

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FUYU 成都福誉科技有限公司

115^项

知识产权
intellectual property rights

20^项

资质认证
industry qualification certifications

96^个

产品辐射国家地区
cover 96 countries and regions

16K⁺^个

累计客户资源
accumulated coverage companies

公司
简介

COMPANY PROFILE



国家高新技术企业
双软企业

National High-Tech Enterprise
Double Soft Enterprise



专利认证

patent certificates



一带一路
重点推荐企业

One Belt One Road
Highly Recommended Enterprise

成都福誉科技有限公司成立于2011年11月，专注于直线运动系统的研发、生产、销售和服务。“福誉科技”不断吸引高端人才，完善产业链集群，同时高度重视与高校、科研院所的产学研结合模式及国内外有实力企业的合作。

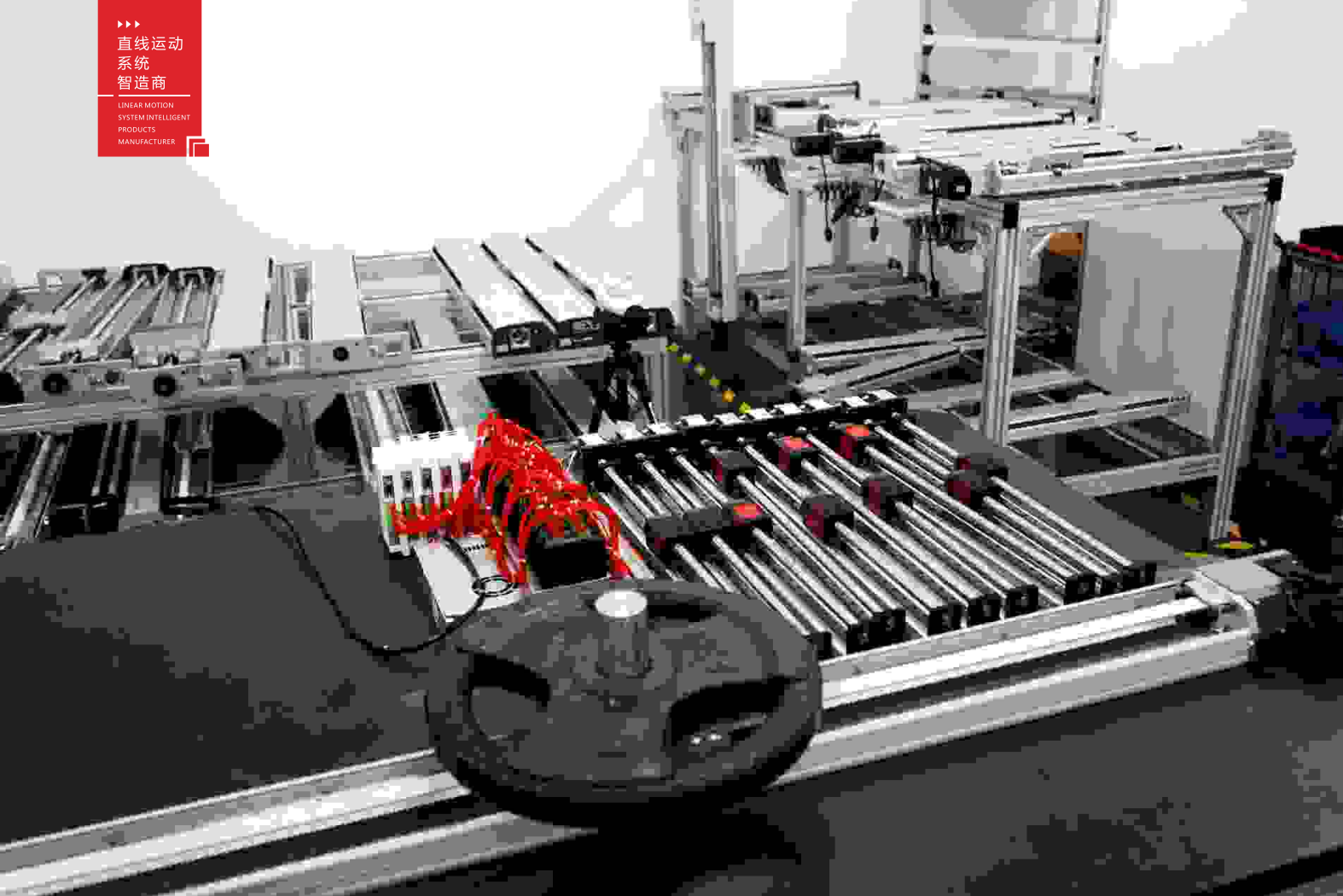
“福誉科技”已获国家相关部门认证：“国家高新技术企业”，“双软企业”，ISO9001-2015，知识产权管理体系，知识产权已授权115项，涉及发明专利6项，实用新型、外观专利81项，软件著作权及商标28项；已获国际相关认证：德国莱茵机构“TUV”认证，及CE, ROHS、FCC、IP等级认证。

福誉产品已辐射全球90余个国家，福誉人秉持“真实、担当、持续精进、协同共赢”的价值观，不断迭代优化产品和服务获取与更多合作伙伴的共赢。

Chengdu Fuyu Technology Co., Ltd. was established in November 2011, focusing on the research and development, production, sales and service of linear motion systems. We continue to introduce high-end talents and improve the industrial chain cluster. At the same time, we attach great importance to the mode of production-university- research cooperation with universities and research institutes, and sincerely cooperate with domestic and foreign powerful brand enterprises.

FUYU Technology has been certified by relevant national departments: "National High-tech Enterprise", "Double Soft Enterprise", ISO9001-2015, Intellectual Property Management System, 115 intellectual property rights have been authorized, involving 6 invention patents, utility model, appearance patents and 99 software copyrights; The products also have obtained international certifications, such as German Rheinland organization "TUV" and CE, ROHS, FCC, IP66, etc.

Fuyu's products have been sold to more than 90 countries around the world, we uphold the values of "Authentic, Responsible, Keep Improving and Win-win cooperation", constantly iteratively optimize products and services to get win-win opportunities with more partners.



生产工艺

PRODUCTION
PROCESS

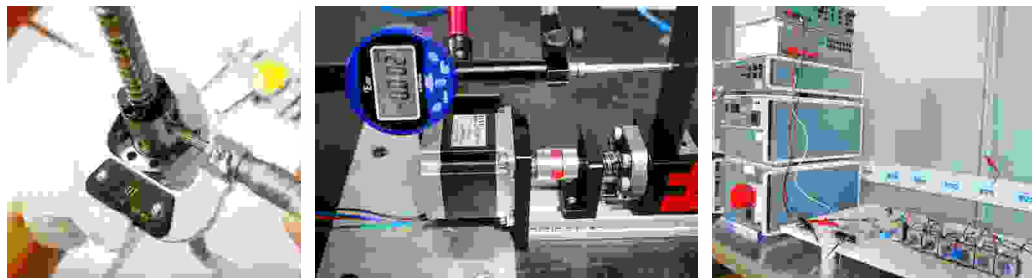
福誉科技一直以发展的眼光看世界，所有产品严格按照各项生产流程规范操作，115项专利涵盖模组及控制器各方面新型技术。以先进的技术和真诚的合作态度，将一如既往地以优质的产品，合理的价格，专业的服务与广大客户携手并进，共创辉煌。

FUYU has a development perspective of the world, all products are in strict accordance with the production process and standards, the 115 patents cover various aspects of the new module and controller technology. With advanced technology and sincere cooperation attitude, we will, as always, go hand in hand with our customers with high quality products, reasonable prices and professional services to create brilliant future.



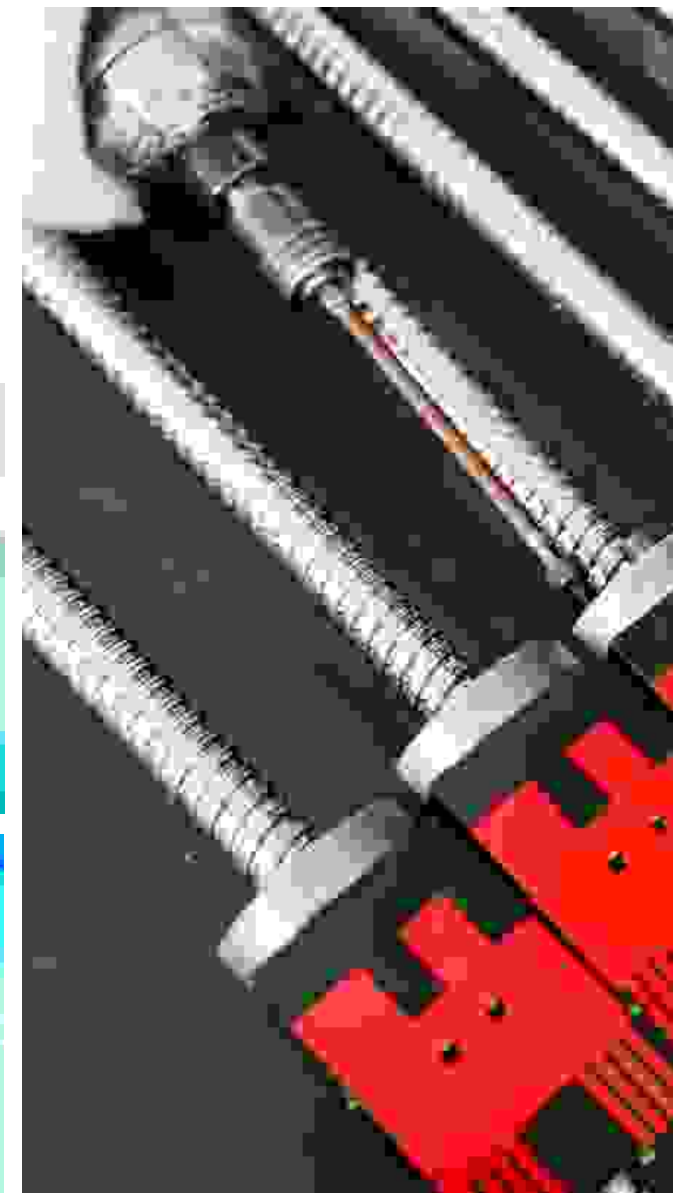
研发技术

COMPANY
QUALIFICATION



位于成都的福誉科技研发中心，从设备的结构有限元分析，材料分析到加工工艺、装配技术、检测方式、智能软件、底层算法等。并且集聚了包含国际引进人才、教授，行业精英的技术团队，截止2021年公司已取得超过115余项专利，为客户提供快速，高品质的定制化服务。

FUYU science and technology research and development center in Chengdu, from the finite element analysis of equipment structure, material analysis to processing technology, assembly technology, detection methods, intelligent software, underlying algorithm, etc. The company has gathered a technical team including international talents, professors and industry elites. By 2021, the company has obtained more than 115 patents to provide customers with fast and high-quality customized services.



品质检验

QUALITY
RESTRICTION

福誉科技一贯致力于先进理论的探索与技术的创新，注重信息技术的建设，形成了健全有效的经营管理机制和科学的执行规范体系。

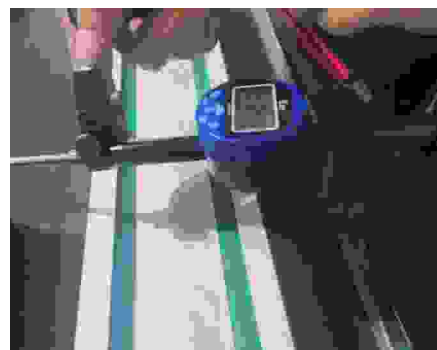
本着“以质量求生存，以信誉求发展”的宗旨，我们建立了完善的产品质量审核标准，严格按照品质检验流程执行，把控每一关，实现0容错率。执行质量和服务得到了有关主管部门及客户的一致认可。

Fuyu Technology has always been committed to the exploration of advanced theories and technological innovation, focusing on the construction of information technology, forming a practical and effective management mechanism and a scientific execution system.

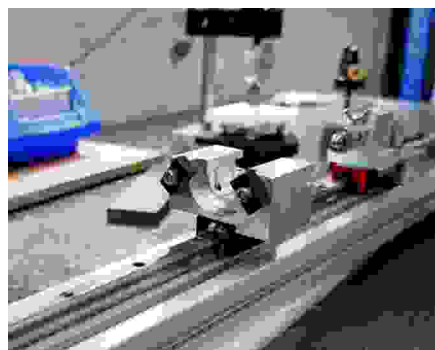
In the spirit of "survive by quality, seek development by credibility", we have established perfect product quality audit standards, strictly implemented the quality inspection process, controlled every link of research and development, and achieved zero fault tolerance rate, thereby gaining the majority of customers Unanimously recognized and praised.

产品检验流程

PRODUCT INSPECTION PROCESS



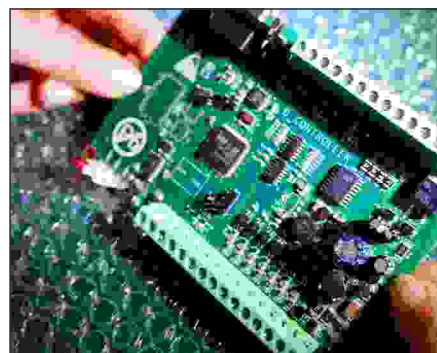
1、检测平行度/等高度
Detect parallelism / equal height



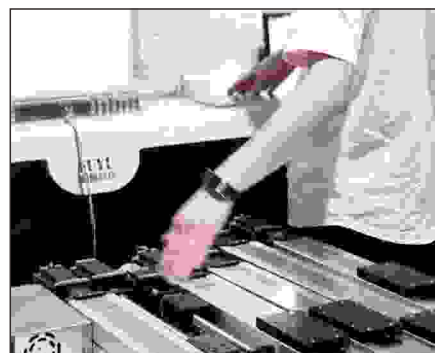
2、检测行走直线绝对精度
Detect the absolute accuracy
of the walking straight line



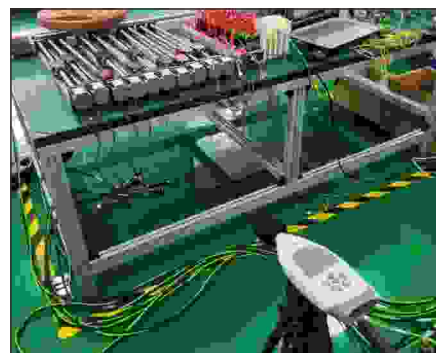
3、检测重复定位精度
Detection of repeated
positioning accuracy



4、检测驱动及电机
Test drive and motor



5、检测顺畅度
Detection smoothness



6、检测噪音
Detect noise

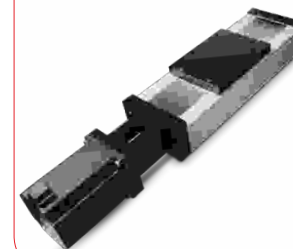
产品概述

PRODUCT
CATALOGUE

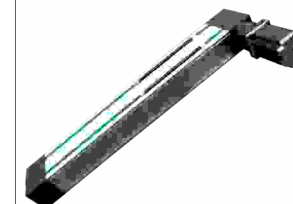
FSK系列模组
FSK LINEAR GUIDE



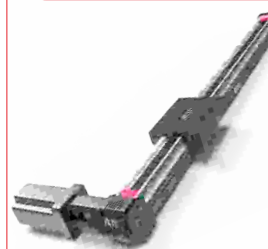
FSL系列模组
FSL LINEAR GUIDE



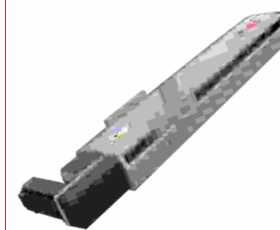
FBL系列模组
FBL LINEAR GUIDE



FPB系列模组
FPB LINEAR GUIDE



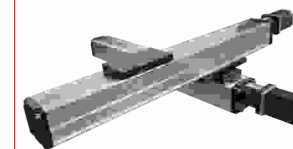
FTH系列模组
FTH LINEAR GUIDE



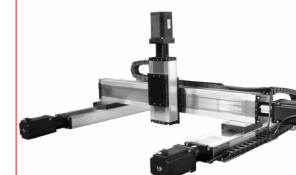
FTB系列模组
FTB LINEAR GUIDE



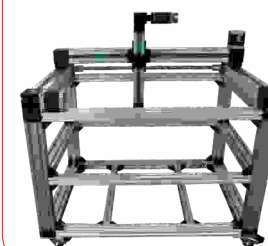
二轴直角坐标机器人
TWO-AXIS CARTESIAN
COORDINATE ROBOT



三轴直角坐标机器人
THREE-AXIS CARTESIAN
COORDINATE ROBOT



定制工作台
CUSTOM WORKBENCH



控制器
CONTROLLER



Fuyu Technology always has strict implementation standards for linear modules, and product innovation, product materials, and product performance are three major factors that our company is most concerned about. All products are in strict accordance with the three major elements and are higher than industry standards. Among them, the smoothness of the product movement, product material, movement speed, positioning accuracy, product life, product noise are six core standards and the key to our product's ability to grow at more than 200% annually.

福誉科技对于直线模组一直有严格的执行标准，而产品创新、产品材质、产品性能又是我们公司最关心的3大要素，所有产品严格按照3大要素，做到高于行业标准。其中产品的运动平稳性、产品材质、运动速度、定位精度、产品寿命、产品噪音。这6大核心标准是我们产品能在每年超过200%的生产规模递增的重要秘诀。

公司荣誉 COMPANY HONOR



权威检测 AUTHORITATIVE TESTING



产品认证 PRODUCT CERTIFICATE



公司 资质

COMPANY
QUALIFICATION

前行的道路曲折艰辛，福誉科技怀着敬畏之心，自律坚持，砥砺前行，积极开创新天地！

The path ahead is arduous and difficult. Fuyu Technology insists on self-discipline, advancing in an awe-inspiring manner, and actively creates a new world!

福誉科技坚持以客户角度去思考,让客户真正感受到福誉科技的品牌价值、产品价值以及个人价值。

The path ahead is arduous and difficult. Fuyu Technology insists on self-discipline, advancing in an awe-inspiring manner, and actively creates a new world!

行业 与案例

INDUSTRY AND
CASES

我们的合作伙伴 OUR COOPERATION PARTNERS



部分客户案例 SOME CUSTOMER CASES

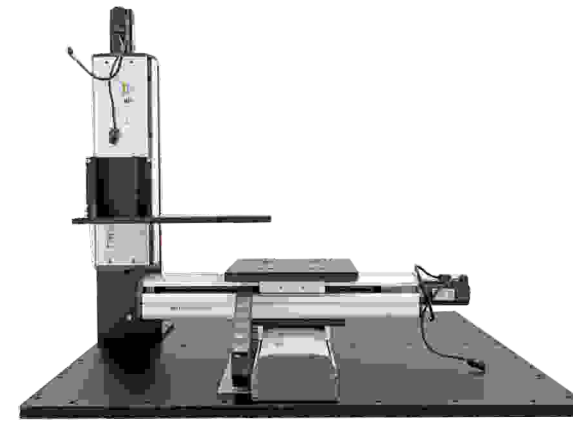


FSK30 CUSTOM MINIATURE LINEAR MODULE FSK30 定制微型直线模组

客户公司专注于光谱成分检测技术及环境监测技术，提供烟气分析仪、便携式烟气分析仪。本次定制项目主要用食品的一般成分分析、微量元素分析、农药残留分析、兽药残留分析、霉菌毒素分析、食品添加剂分析和其他有害物质的分析等。

Our company focuses on spectral component detection technology and environmental monitoring technology, and provides flue gas analyzer and portable flue gas analyzer.

This customized project mainly uses the analysis of general ingredients, trace elements, pesticide residues, veterinary drug residues, mycotoxins, food additives and other harmful substances in food.

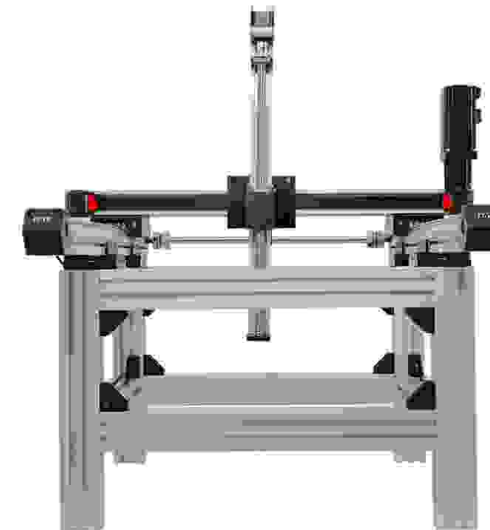


FTH17 CUSTOM LASER WORKBENCH

FTH17 定制激光工作台

客户为某航空军工单位，主要提供工程技术研究、智能无人飞行、航空运输及材料设备研发生产。本款产品为自有手持激光机，为提升工作效率代替人工，根据激光机提供一体化定制工作台，整个实际使用对于稳定性及精准度要求较高。

The customer is an aviation military industry unit, mainly providing engineering technology research, intelligent unmanned flight, air transportation and R & D and production of materials and equipment. This product is a self-owned handheld laser machine. In order to improve work efficiency and replace manual work, an integrated customized workbench is provided according to the laser machine. The whole actual use requires high stability and accuracy.



THREE AXIS RECTANGULAR COORDINATE DISPENSING MACHINE

三轴直角坐标点胶机

客户专业从事各种自动点胶机，产品主要有：全自动灌胶机、全自动点胶机、双组份硅胶打胶机、压盘式打胶机、5加仑桶装打胶机、AB双液灌胶机、真空灌胶机、流水线式灌胶机、三轴点胶机。

Our customers are specialized in all kinds of automatic dispensers. Our products mainly include: automatic dispenser, automatic dispenser, two-component silicone dispenser, pressure plate dispenser, 5-gallon barrel dispenser, AB double liquid dispenser, vacuum dispenser, assembly line dispenser and three-axis dispenser.

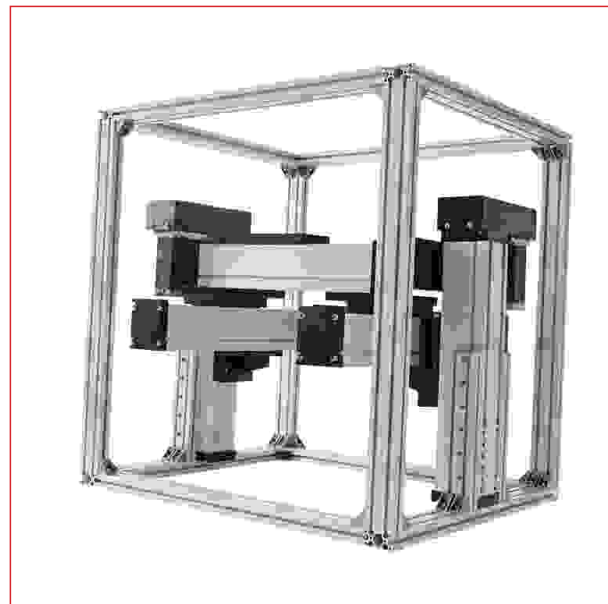


FSK40 TWO AXIS CUSTOM MODULE

FSK40两轴定制模组

客户为某知名理工高校，应用于机械设计制造及其自动化相关教研实验，本次项目使用于用于雷达声波反射接收装置。整个模组主要用于教学展示，所以我们需要考虑客户在使用过程中可以多个维度向学生展示，从垂直运行到水平运行，同时保证组建便利性。

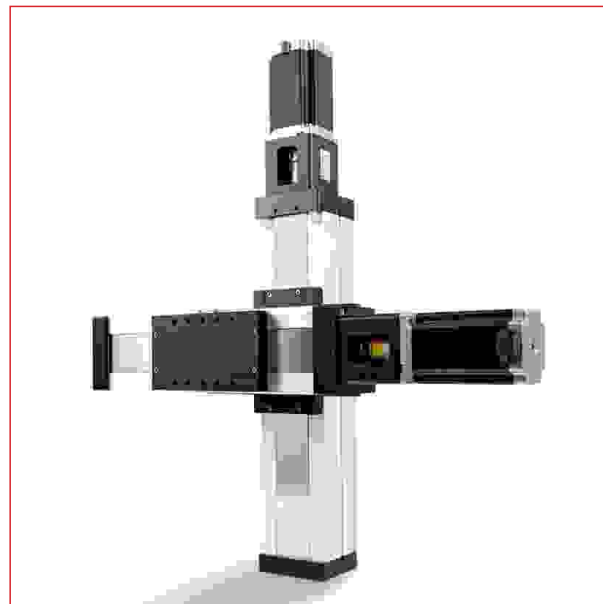
The client is a well-known University of science and technology, which is used in the teaching and research experiments related to the automation of mechanical design and manufacturing. This project is used in the radar acoustic reflection and receiving device. The whole module is mainly used for teaching display, so we need to consider that customers can show students in multiple dimensions in the process of using, from vertical operation to horizontal operation, and ensure the convenience of construction.



FSL60 SCREW CUSTOMIZED GANTRY FSL60丝杆定制龙门

客户公司是一家国内领先的下一代图像与视频科技企业；晰图研发制造超高分辨率、超大画幅、超高帧率、超低照度等特种摄像机，并为客户提供具有创新竞争力的配件及应用系统。

Customer company is a leading next generation image and video technology enterprise in China; We develop and manufacture super-high resolution, super large frame, super high frame rate, super low illumination and other special cameras, and provide customers with innovative and competitive accessories and application systems.



FSL80 TWO AXIS LINEAR MODULE FSL80两轴直线模组

本项目使用于某知名家居品牌工厂；主要用于水平面内，二维工件搬运，移栽，行走轨迹应用。主要考虑使用环境以及使用需求，采用钢带式全封闭设计。

This project is used in a famous household brand factory; Mainly used for horizontal plane, two-dimensional workpiece handling, transfer, walking trajectory application. Mainly considering the use environment and demand, the steel belt type fully enclosed design is adopted.



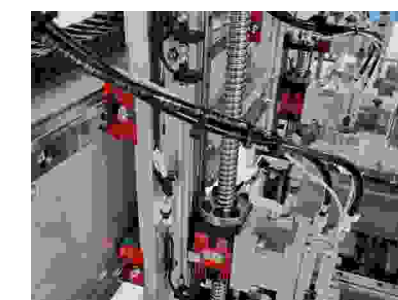
智能餐饮
Intelligent catering



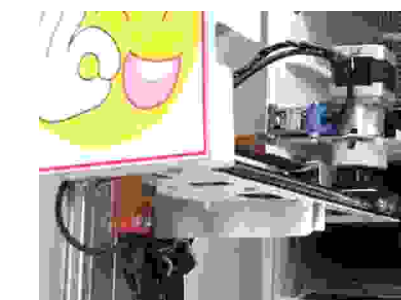
高校模拟实验平台
University simulation
experiment platform



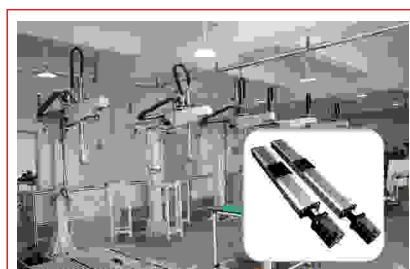
3D动态屏装置
3D dynamic screen device



取放整列装置
Aligning device for
pick-and-place of IC boards



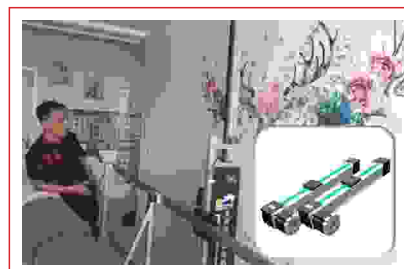
自动售卖机
Vending machine



上下料机械手
Loading and unloading manipulator



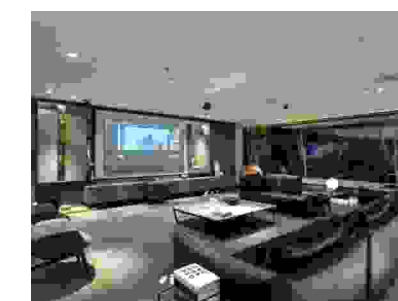
激光雕刻
Laser Engraving



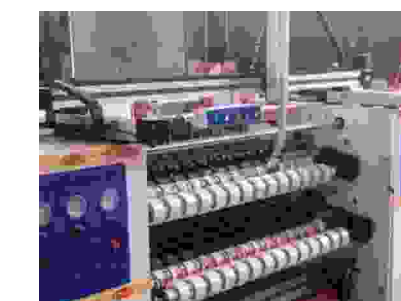
墙体绘制机
Wall Painting



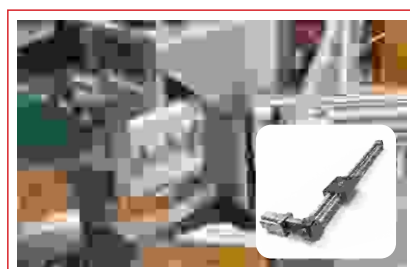
商超模组运用
Application of Shangchao module



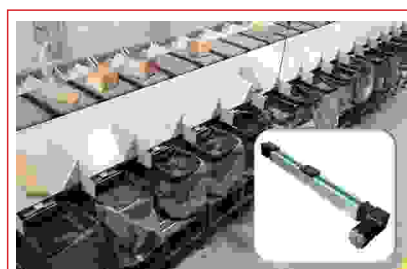
智能家居
Smart home



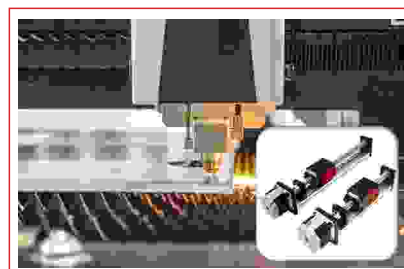
切割设备
Cutting equipment



n95口罩多工位封边机
Mask Edge Banding Machine



分拣机
Sorter



切割机
Cutting Machine



点胶设备
Dispensing equipment

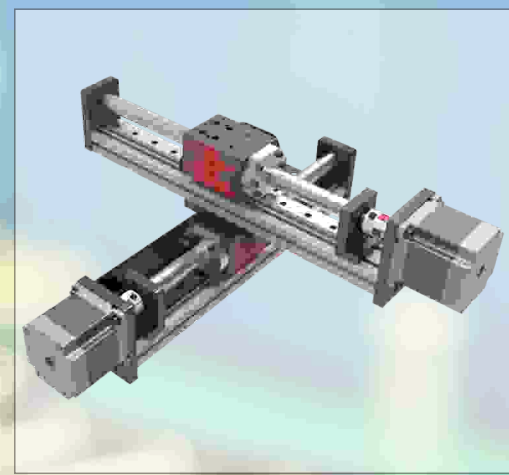


电路板喷涂设备
Circuit board spraying
equipment



电器元件搬运
Handling of electrical
components

FSK模组 FSK LINEAR GUIDE



耐磨耐用 结构简单 WEAR-RESISTANT AND DURABLE, SIMPLE STRUCTURE

经济实用型丝杆模组，性价比高，适用于中低负载中等速度要求，使用环境稳定的条件。可单轴或多轴组合使用，方便搭配各行业所需的工件便成为最简单、实用的机械手臂。

Economical and practical screw module, high cost performance, suitable for medium and low load, medium speed requirements, stable environment conditions. It can be combined with single axis or multi axis, and it is convenient to match the workpieces required by various industries, so it becomes the most simple and practical manipulator.

技术特点 TECHNICAL FEATURES

1.可选配件 OPTIONAL ACCESSORIES

电源、驱动、限位开关、控制器、连接板、拖链
Power supply, drive, limit switch, controller, connection board, drag chain

2.应用范围 APPLICATION AREA

应用范围：精密定位、点胶涂装、喷油喷涂、视觉检测、搬运移动、抓取、切割焊接、自动组装、自动锁螺丝、码垛作业等。如：PCB板检测、光碟片堆叠装置、零件取放等。
Applications: Precise positioning, dispensing, spray painting, visual inspection, moving, grabbing, cutting and welding, automatic assembly, automatic locking screws, palletizing, etc. Such as: PCB board detection, optical disc stacking device, parts pick and place.

3.产业 INDUSTRY

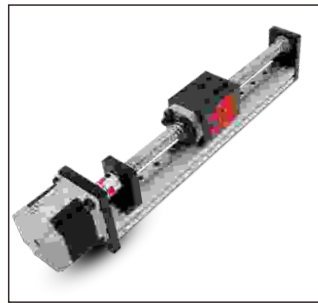
TFT-LCD液晶面板设备、半导体设备、LED线上设备、太阳能设备
TFT-LCD LCD panel equipment, semiconductor equipment, led online equipment, solar energy equipment



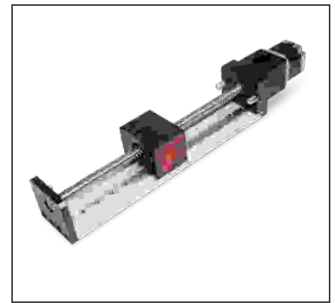
FSK30J 直线模组
FSK30J LINEAR MODULE
»» P15



FSK30 直线模组
FSK30 LINEAR MODULE
»» P17

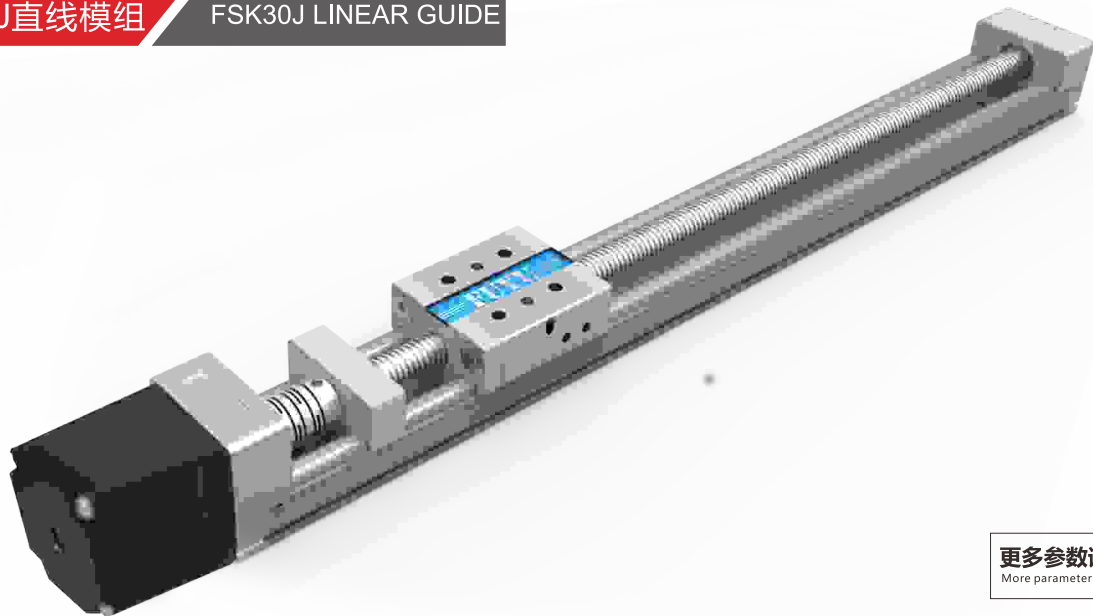


FSK40 直线模组
FSK40 LINEAR MODULE
»» P19



FSK80直线模组
FSK80LINEAR MODULE
»» P21

FSK30J直线模组 FSK30J LINEAR GUIDE



更多参数请联系我们
More parameters please contact us

重复定位精度[mm] Position Accuracy	有效行程[mm] Effective Stroke	垂直参考负载[kg] Vertical reference Loading	水平参考负载[kg] Horizontal reference Loadings
±0.05	50~500	1	3

FSK30J 直线模组-型号表示方式
FSK30J-ORDERING METHOD

FSK30J		E300	12	BC	B28		
丝杆模组-FSK系列 Screw module - FSK series		导程 Lead		电机位置 Motor position		厂牌 Brand name	颜色 colour
型号 Model	本体宽 (mm) Wide(mm)	丝杆滑台 Screw Slider		丝杆滑台 Screw Slider		步进电机 Stepping motor	
FSK30J	30	02	2mm	BC	电机直连 Motor Exposed	B28	28X32 蓝色
		04	4mm			B35	35X34 红色
		12	12mm				
		有效行程 Effective trip					
		丝杆外径 Screw Outer Diameter	标准行程 Wide(mm)				
		Ø8	50-500				

FSK30J 直线模组-搭配一览表
FSK30J-COLLOCATION LIST

触摸屏 Touch screen	控制器 Controller	限位开关 Limit switch	直流电源型号 DC power model	驱动器型号 Drive model
TPC7062HW	FSC-2A	FPS-1A-NPN-NO	PMT-24V350W	FMDD36D22NOM
	FMC4030	FPS-1A-PNP-NO	PMT-24V100W	
			PMT-24V50W	
			LRS-100-24	
			LRS-350-24	

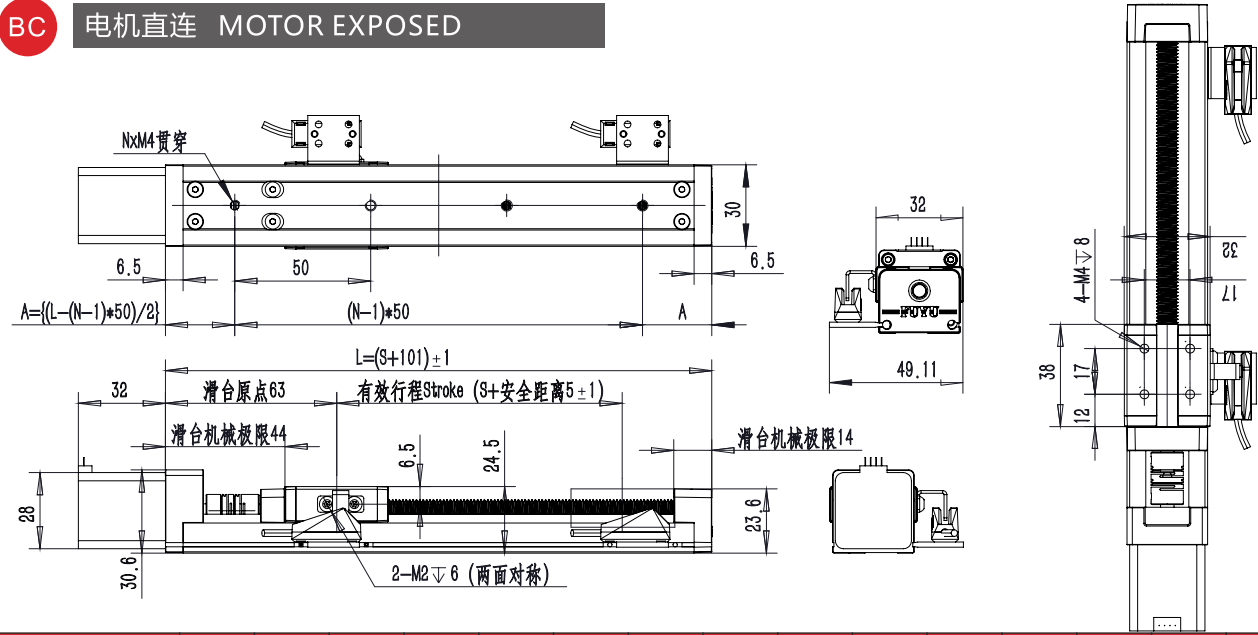
FSK30J 直线模组-技术参数
FSK30J-TECHNICAL PARAMETER

TECHNICAL PARAMETER

重复定位精度[mm] Position Accuracy			±0.05																					
T型丝杆直径[mm] Ladder type Screw Diameter			φ8						φ8						φ8									
T型丝杆导程[mm] Stroke			2						4						12									
2832 步进电机 stepper motor	水平	负载[kg] loadings	0.5	1.0	1.5	2.0	2.5	3.0	0.5	1.0	1.5	2.0	2.5	3.0	特殊需求请联系我们 Please contact us for special needs									
		速度[mm/s] Speed	40	40	40	40	40	40	80	80	80	80	80	80										
	侧装	速度[mm/s] Speed	40	40	30	15	0	0	80	80	80	40	0	0										
	垂直	速度[mm/s] Speed	40	40	40	40	15	0	80	80	25	0	0	0										
	倒装	速度[mm/s] Speed	40	40	40	40	40	40	80	80	80	80	80	80										
	噪音noise[dB]		< 60																					
3534 步进电机 stepper motor	水平	负载[kg] loadings	0.5	1.0	1.5	2.0	2.5	3.0	0.5	1.0	1.5	2.0	2.5	3.0	0.5	1.0	1.5	2.0	2.5	3.0				
		速度[mm/s] Speed	40	40	40	40	40	40	80	80	80	80	80	80	200	200	200	200	200	180				
	侧装	速度[mm/s] Speed	40	40	40	40	40	40	80	80	80	80	75	60	200	140								
	垂直	速度[mm/s] Speed	40	40	40	40	40	35	80	80	80	55	40	25										
	倒装	速度[mm/s] Speed	40	40	40	40	40	40	80	80	80	80	80	80										
	噪音noise[dB]		< 60																					
储藏温度[°C] Storage temperature			-15℃—+60℃																					

FSK30J 直线模组-尺寸图
FSK30J-DIMENSIONAL DRAWING

BC 电机直连 MOTOR EXPOSED



行程[mm] Stroke	50	100	150	200	250	300	350	400	450	500					
模组总长[mm] Linear Guide Total Length	151	201	251	301	351	401	451	501	551	601					
重量[kg] Weight	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.75	0.8					

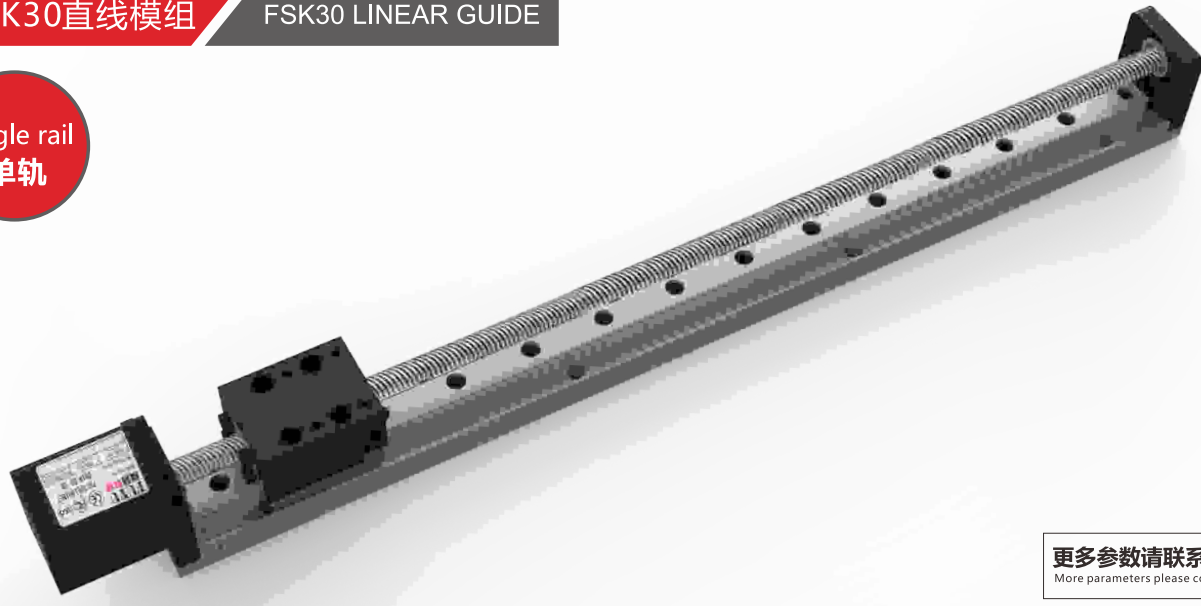
备注：螺母安装数量 会以长度不同而变化，以实际为准。

The installation length of nut shall be subject to the actual situation

FSK30直线模组

FSK30 LINEAR GUIDE

Single rail
单轨



更多参数请联系我们
More parameters please contact us

重复定位精度[mm]
Position Accuracy
±0.05

有效行程[mm]
Effective Stroke
50~300

垂直最大负载[kg]
Max Vertical Loading
1

水平最大负载[kg]
Max Horizontal Loadings
4

FSK30 直线模组-型号表示方式
FSK30-ORDERING METHOD

※为标配电机

FSK30		E300	12	BC	B28	
丝杆模组-FSL系列 Screw module - FSL series		导程 Lead		电机位置 Motor position		厂牌 Brand name
型号 Model	本体宽 (mm) Wide(mm)	丝杆滑台 Screw Slider		丝杆滑台 Screw Slider		步进电机 Stepping motor
FSK30	30	02	2mm	BC	电机直连 Motor Exposed	B28 28X32
		04	4mm			※ B35 35X34
		12	12mm			
		有效行程 Effective trip				
		丝杆外径 Screw Outer Diameter	标准行程 Wide(mm)			
		Ø8	50-300			

FSK30 直线模组-搭配一览表
FSK30-COLLOCATION LIST

触摸屏 Touch screen	控制器 Controller	限位开关 Limit switch	直流电源型号 DC power model	驱动器型号 Drive model
TPC7062HW	FSC-2A	FY-SPX307	PMT-24V350W	FMDD36D22NOM
	FMC4030		PMT-24V100W	
			PMT-24V50W	
			LRS-100-24	
			LRS-350-24	

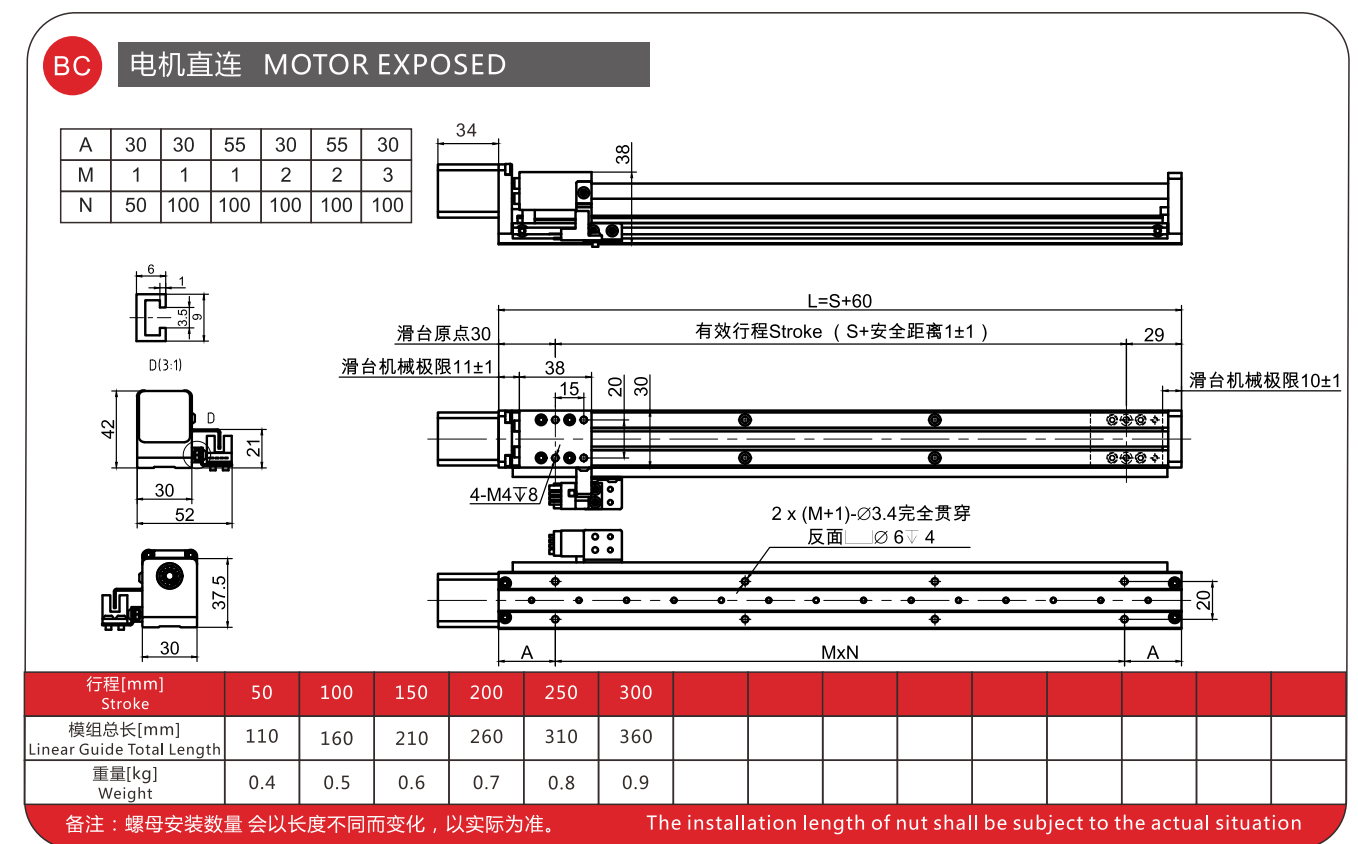
FSK30 直线模组-技术参数

FSK30-TECHNICAL PARAMETER

TECHNICAL PARAMETER	重复定位精度[mm] Position Accuracy	±0.05		
	T型丝杆直径[mm] Ladder type Screw Diameter	φ8	φ8	φ8
	T型丝杆导程[mm] Lead	2	4	12
	水平最大负载[kg] Max Horizontal Loadings	4		
	垂直最大负载[kg] Max Vertical Loading	1		特殊需求请联系我们 Please contact us for special needs
	空载速度[mm/s] Without Loading Speed	100	255	300
	水平满载速度[mm/s] Max Horizontal Full Speed	70	130	250
	垂直满载速度[mm/s] Max Vertical Full Speed	50	100	特殊需求请联系我们 Please contact us for special needs
	额定加速度[mm/s ²] Rated Acceleration	600		
	最大推力[N] Maximum thrust	30		
	储藏温度[°C] Storage temperature	-15°C—+60°C		

FSK30 直线模组-尺寸图

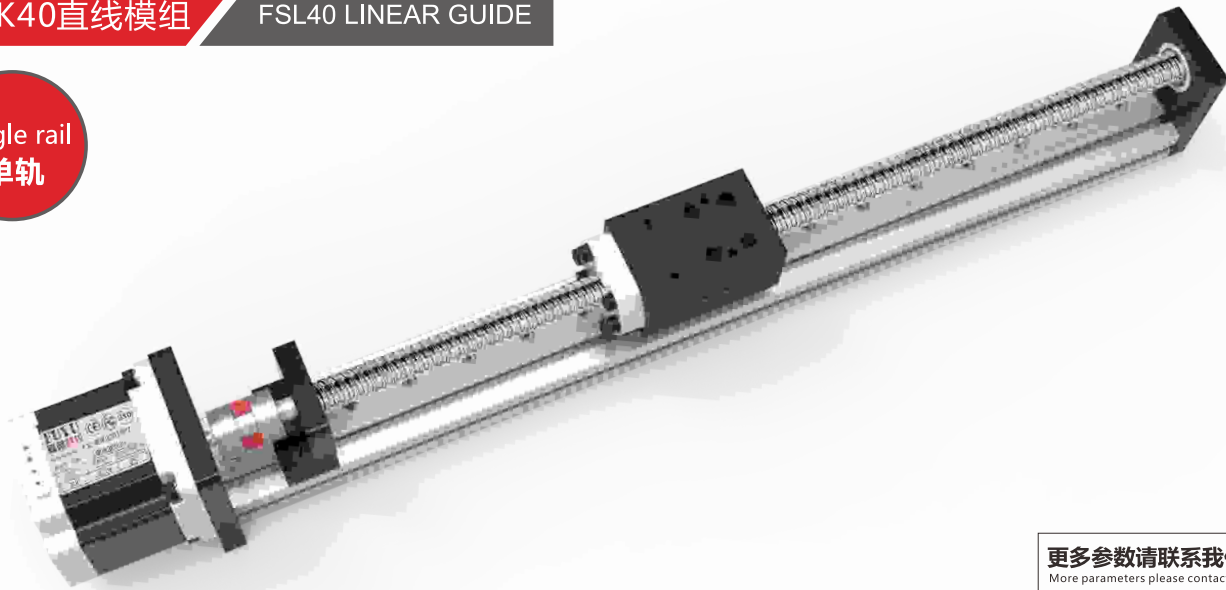
FSK30-DIMENSIONAL DRAWING



FSK40直线模组

FSL40 LINEAR GUIDE

Single rail
单轨



更多参数请联系我们
More parameters please contact us

重复定位精度[mm]
Position Accuracy
±0.03

有效行程[mm]
Effective Stroke
50~1000

垂直最大负载[kg]
Max Vertical Loading
15

水平最大负载[kg]
Max Horizontal Loadings
25

FSK40 直线模组-型号表示方式
FSK40-ORDERING METHOD

FSK40		E300	10	C7	BC	B57	S
丝杆模组-FSK系列 Screw module - FSL series		导程 Lead		电机位置 Motor position		厂牌 Brand name	
型号 Model	本体宽 (mm) Wide(mm)	丝杆滑台 Screw Slider		丝杆滑台 Screw Slider		伺服电机 Servo motor	
FSK40	40	04 4mm		BC 电机直连 Motor Exposed		P松下 10:100W	
		05 5mm				T台达 20:200W	
		10 10mm				Y安川	
		16 16mm				M三菱	
		有效行程 Effective trip		重复定位精度 Repeated Positioning Accuracy		步进电机 Stepping motor	
		丝杆外径 Screw Outer Diameter		丝杆驱动 Ball Screw Driven		※ B57 57X56	
		标准行程 Wide(mm)		C7 ±0.02		B60 60X102	
		Ø12 50-500				刹车 brake	
		Ø16 50-1000				无刹车不表示 Extra Enquiry If Need Brake	

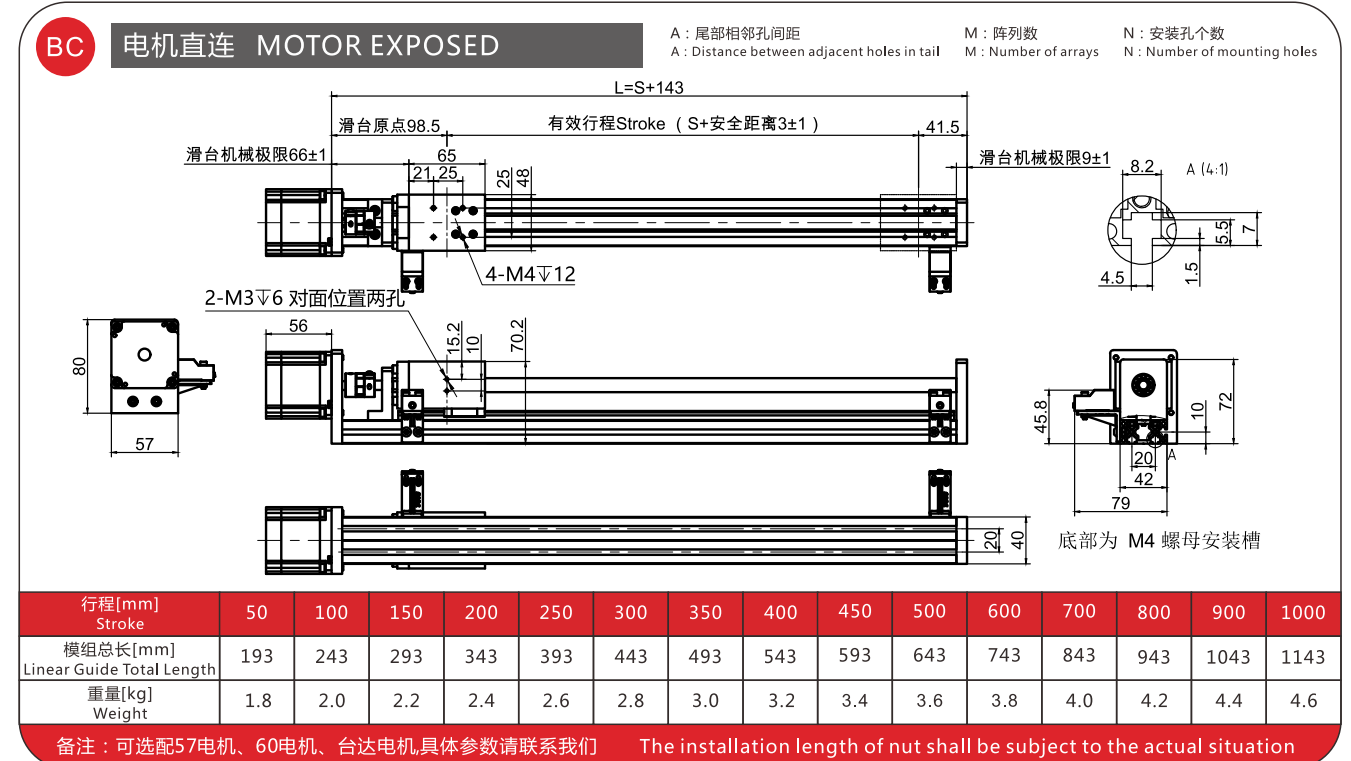
FSK40 直线模组-搭配一览表
FSK40-COLLOCATION LIST

触摸屏 Touch screen	控制器 Controller	限位开关 Limit switch	直流电源型号 DC power model	驱动器型号 Drive model
TPC7062HW	FSC-2A	SN04-N	PMT-24V350W	FMDD50D40NOM
	FMC4030		PMT-24V100W	
			PMT-24V50W	
			LRS-100-24	
			LRS-350-24	

FSK40 直线模组-技术参数
FSK40-TECHNICAL PARAMETER

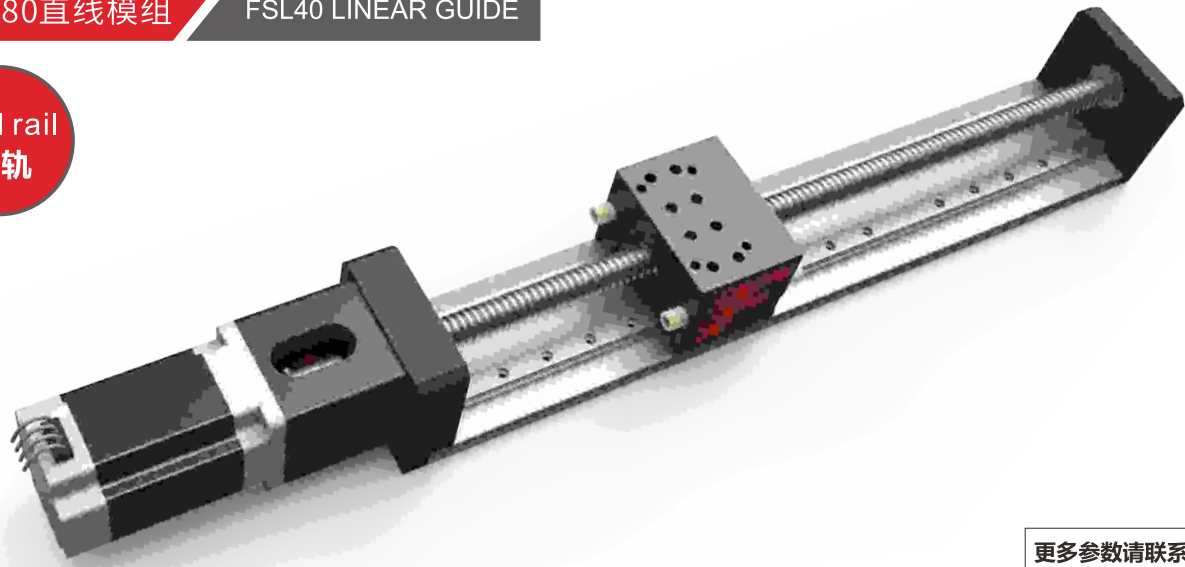
TECHNICAL PARAMETER	重复定位精度[mm] Position Accuracy	±0.03		
	滚珠丝杆直径[mm] Ball Screw Diameter	φ12	φ16	φ16
	滚珠丝杆导程[mm] Lead	4	5	10
	水平最大负载[kg] Max Horizontal Loadings	25	25	20
	垂直最大负载[kg] Max Vertical Loading	15	15	10
	空载速度[mm/s] Without Loading Speed	100	180	255
	水平满载速度[mm/s] Max Horizontal Full Speed	80	150	230
	垂直满载速度[mm/s] Max Vertical Full Speed	40	90	50
	侧装最大负载[kg] Max side mounted payload	5		
	侧装满载速度[mm/s] max side mounted speed	60	75	150
	额定加速度[mm/s ²] Rated Acceleration	500		
	最大推力[N] Maximum thrust	471	376	188
	储藏温度[°C] Storage temperature	-15℃—+60℃		

FSK40 直线模组-尺寸图
FSK40-DIMENSIONAL DRAWING



FSK80直线模组 FSL40 LINEAR GUIDE

dual rail
双轨



更多参数请联系我们
More parameters please contact us

重复定位精度[mm]
Position Accuracy
±0.02

有效行程[mm]
Effective stroke
50~1000

垂直最大负载[kg]
Max Vertical Loading
20

水平最大负载[kg]
Max Horizontal Loadings
40

FSK80 直线模组-型号表示方式
FSK80-ORDERING METHOD

FSK80	E300	10	C7	BC	B57	S
丝杆模组-FSK系列 Screw module - FSL series	导程 Screw Slider	电机位置 Motor position	厂牌 Brand name	※为标配电机		
型号 Model	丝杆滑台 Screw Slider	丝杆滑台 Screw Slider	伺服电机 Servo motor			
FSK80	10 10mm	BC 电机直连 Motor Exposed BL 电机左折 Motor Left Side BR 电机右折 Motor Right Side BD 电机下折 Motor Down Side	T台达 20:200W T台达 40:400W Y安川 40:400W M三菱 75:750W			
本体宽 (mm) Wide(mm)	有效行程 Effective trip	重复定位精度 Repeated Positioning Accuracy	步进电机 Stepping motor			
80	丝杆外径 Screw Outer Diameter Ø16 标准行程 Wide(mm) 50-1000	丝杆驱动 Ball Screw Driven C7 ±0.02	※ B60 60X102			
				刹车 brake	无刹车不表示 Extra Enquiry If Need Brake	

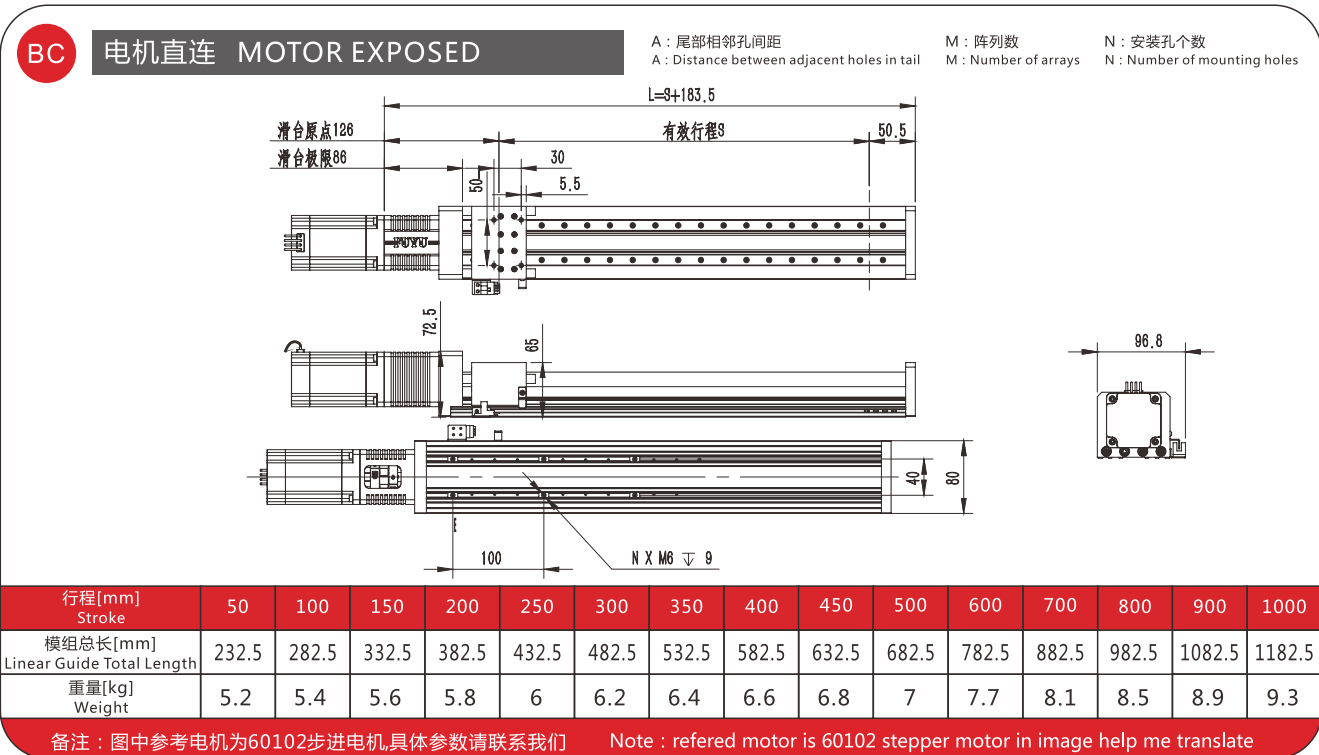
FSK80 直线模组-搭配一览表
FSK80-COLLOCATION LIST

触摸屏 Touch screen	控制器 Controller	限位开关 Limit switch	直流电源型号 DC power model	驱动器型号 Drive model
TPC7062HW	FSC-2A FMC4030	SN04-N(NPN.NO)	PMT-24V350W LRS-350-24	FMDD50D40NOM

FSK80 直线模组-技术参数
FSK80-TECHNICAL PARAMETER

TECHNICAL PARAMETER	重复定位精度[mm] Position Accuracy	±0.02
	电机 Motor	步进60102 (标配)
	导轨规格 Rail model	双轨 W12xH8
	丝杆规格 Ball screw model	16
	有效行程[mm] Effective Stroke	50-1000
	导程[mm] Lead	10
	水平满载速度[mm/s] Horizontal full payload speed	230
	垂直满载速度[mm/s] Vertical full payload speed	60
	侧挂满载速度[mm/s] Side mounting full payload speed	210
	水平额定负载[kg] Rated horizontal payload	40
	垂直额定负载[kg] Rated vertical payload	20
	侧挂额定负载[kg] Rated side mounting payload	15
	空载噪声[db] Noisy without payload	79
	额定负载噪声[db] Rated payload noisy	70
	加速度[mm/s²] Acceleration	500
	储藏温度[°C] Storage temperature	-15℃—+60℃

FSK80 直线模组-尺寸图
FSK80-DIMENSIONAL DRAWING

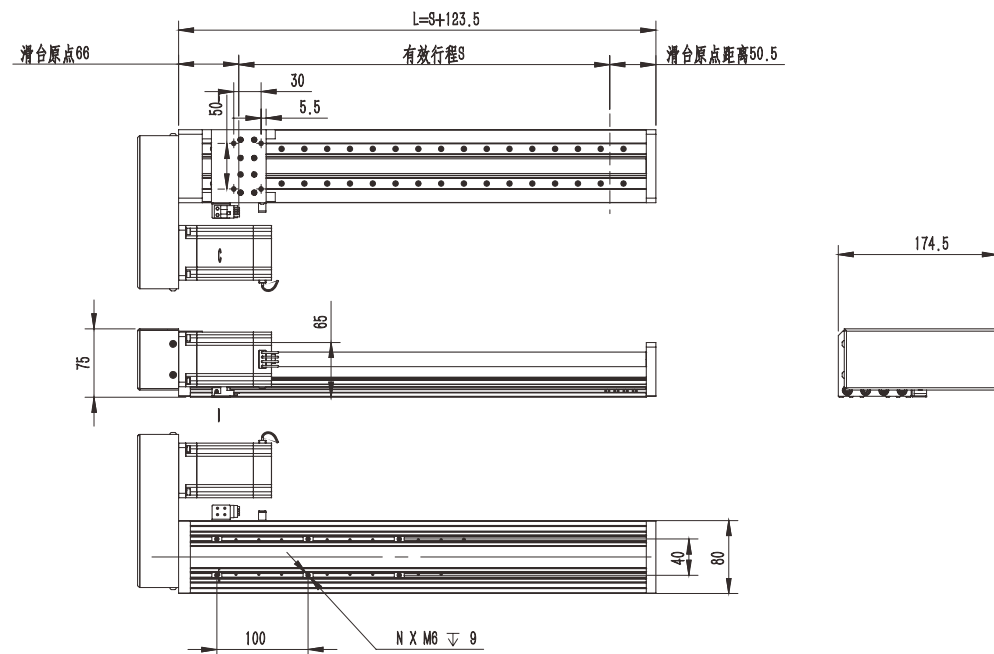


BD 电机下折 MOTOR DOWN SIDE

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail

M : 阵列数
M : Number of arrays

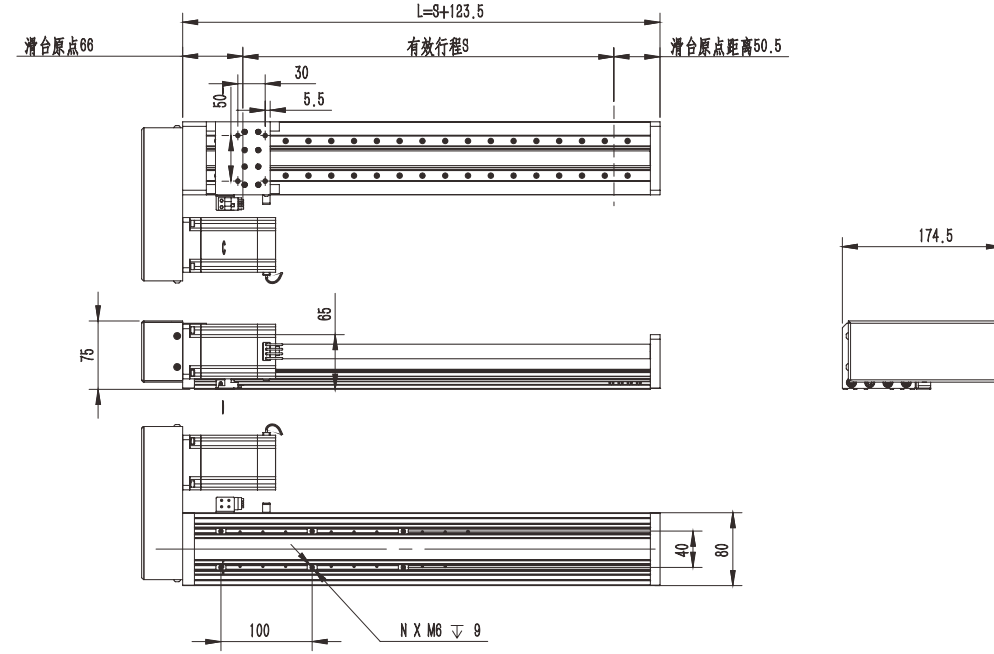
N : 安装孔个数
N : Number of mounting holes



行程[mm] Stroke	50	100	150	200	250	300	350	400	450	500	600	700	800	900	1000
模组总长[mm] Linear Guide Total Length	173.5	223.5	273.5	323.5	373.5	423.5	473.5	523.5	573.5	623.5	723.5	823.5	923.5	1023.5	1123.5
重量[kg] Weight	5.2	5.4	5.6	5.8	6	6.2	6.4	6.6	6.8	7	7.7	8.1	8.5	8.9	9.3

备注：图中参考电机为60102步进电机,具体参数请联系我们 Note : refered motor is 60102 stepper motor in image help me translate

BR 电机右折 MOTOR RIGHT SIDE



行程[mm] Stroke	50	100	150	200	250	300	350	400	450	500	600	700	800	900	1000
模组总长[mm] Linear Guide Total Length	173.5	223.5	273.5	323.5	373.5	423.5	473.5	523.5	573.5	623.5	723.5	823.5	923.5	1023.5	1123.5
重量[kg] Weight	5.2	5.4	5.6	5.8	6	6.2	6.4	6.6	6.8	7	7.7	8.1	8.5	8.9	9.3

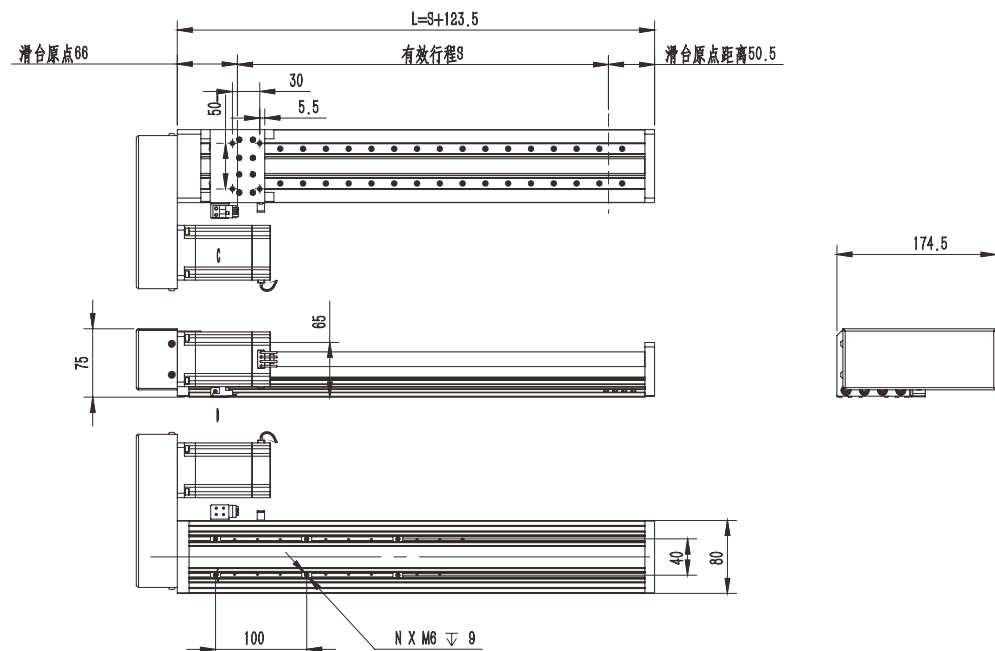
备注：图中参考电机为60102步进电机,具体参数请联系我们 Note : refered motor is 60102 stepper motor in image help me translate

BL 电机左折 MOTOR LEFT SIDE

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail

M : 阵列数
M : Number of arrays

N : 安装孔个数
N : Number of mounting holes



行程[mm] Stroke	50	100	150	200	250	300	350	400	450	500	600	700	800	900	1000
模组总长[mm] Linear Guide Total Length	173.5	223.5	273.5	323.5	373.5	423.5	473.5	523.5	573.5	623.5	723.5	823.5	923.5	1023.5	1123.5
重量[kg] Weight	5.2	5.4	5.6	5.8	6	6.2	6.4	6.6	6.8	7	7.7	8.1	8.5	8.9	9.3

备注：图中参考电机为60102步进电机,具体参数请联系我们 Note : refered motor is 60102 stepper motor in image help me translate

FSL系列模组 FSL LINEAR GUIDE



高质高量 通用性强 SUPERIOR QUALITY AND STRONG VERSATILITY

FSL系列模组，稳定性好，结构紧凑，并且拥有全封闭式结构，防屑，负载强。适用一般环境。可单轴或多轴组合使用，方便搭配各行业所需的工件便成为最简单、实用的机械手臂。

FSL series module, good stability, compact structure, and has closed structure, anti chip, strong load.suitable for normal working environment, it is convenient to use single axis or multi-axis to assemble easy functional usage robotic arms for kinds of industries

技术特点 TECHNICAL FEATURES

1.可选配件 OPTIONAL ACCESSORIES

电源、驱动、限位开关、控制器、连接板、拖链

Power supply, drive, limit switch, controller, connection board, drag chain

2.应用范围 APPLICATION AREA

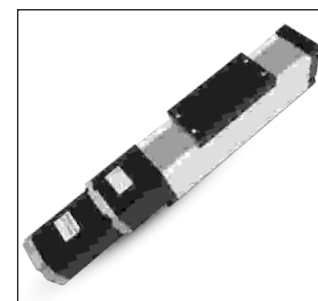
应用范围：激光载床、光伏背板切割刻膜机、输送机械手、辅助设备、电科研试验功能演示，各类工业自动化生产线、各类精加工机械等。

Application range: laser cutting machine,PV back sheet cutting engraving machine, transportation mechanical arm, assistant device, Electric research test function demonstration, kinds of industrail automatic production line, kinds of precision machinery processing

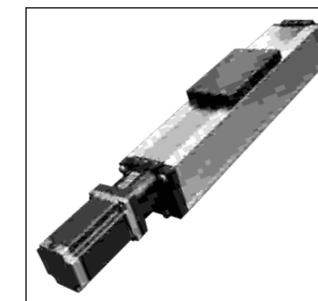
3.产业 INDUSTRY

半导体设备、LED线上设备、太阳能设备、FPD设备

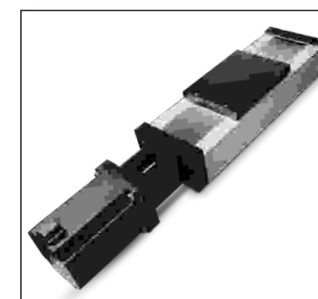
Semiconductor device, LED online device, solar equipment, FPD equipment



FSL60 直线模组
FSL60 LINEAR MODULE
»» P27



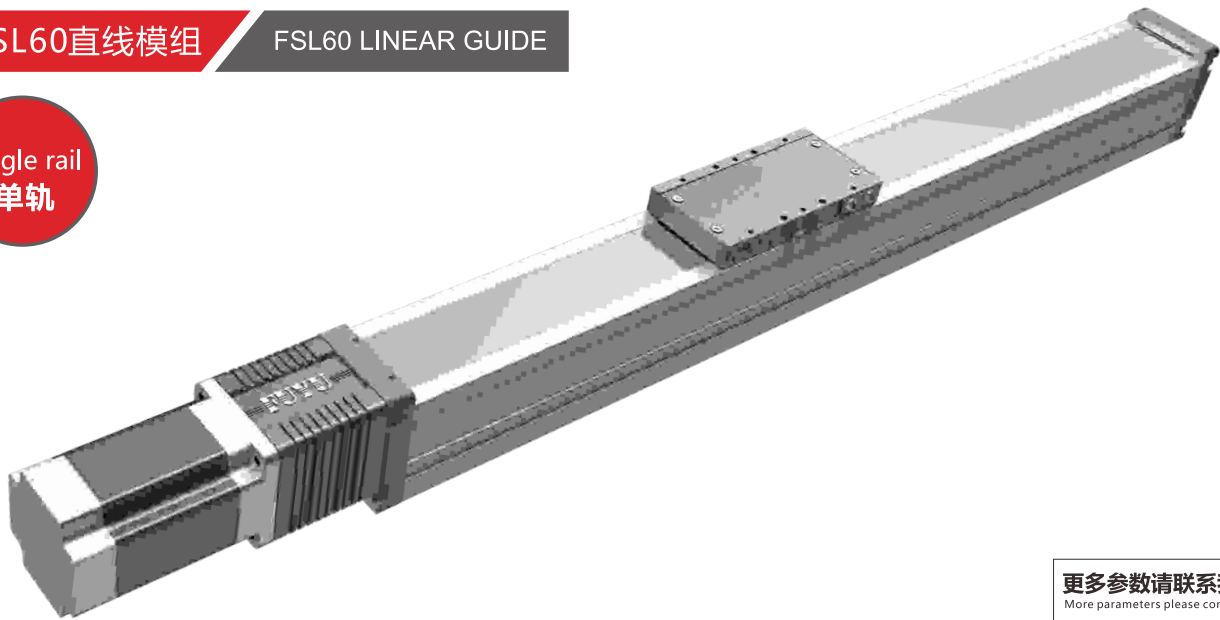
FSL80 直线模组
FSL80 LINEAR MODULE
»» P31



FSL120 直线模组
Fs120 LINEAR MODULE
»» P35

FSL60直线模组 FSL60 LINEAR GUIDE

Single rail
单轨



更多参数请联系我们
More parameters please contact us

重复定位精度[mm]
Position Accuracy
±0.02

有效行程[mm]
Effective Stroke
50~1050

垂直最大负载[kg]
Max Vertical Loading
10

水平最大负载[kg]
Max Horizontal Loadings
40

FSL60 直线模组-型号表示方式
FSL60-ORDERING METHOD

FSL60	E300	10	C7	BC	B60	S
丝杆模组-FSL系列 Screw module - FSL series	导程 Lead	丝杆滑台 Screw Slider	电机位置 Motor position	厂牌 Brand name	伺服电机 Servo motor	
型号 Model	本体宽 (mm) Wide(mm)		丝杆滑台 Screw Slider	伺服电机 Servo motor		
FSL60	60	05 5mm 10 10mm 16 16mm	BC 电机直连 Motor Exposed BL 电机左折 Motor Left Side BR 电机右折 Motor Right Side BD 电机下折 Motor Down Side	P松下 20:200W T台达 40:400W Y安川 M三菱		
	有效行程 Effective trip	丝杆外径 Screw Outer Diameter Ø16 标准行程 Wide(mm) 50-1050	重复定位精度 Repeated Positioning Accuracy C7 ±0.02	步进电机 Stepping motor ※ B60 60X102	刹车 brake 无刹车不表示 Extra Enquiry If Need Brake	

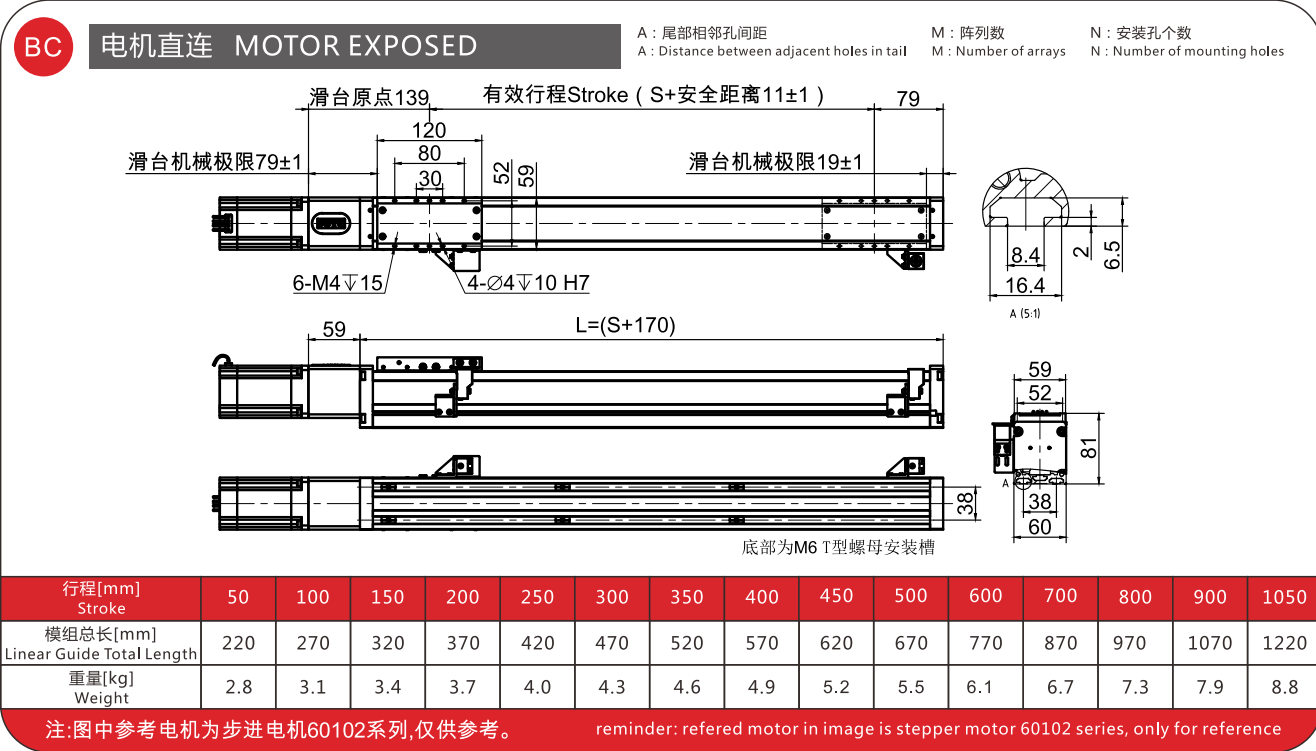
FSL60 直线模组-搭配一览表
FSL60-COLLOCATION LIST

触摸屏 Touch screen	控制器 Controller	限位开关 Limit switch	直流电源型号 DC power model	驱动器型号 Drive model
TPC7062HW	FSC-2A FMC4030	SN04-N(NPN.NO)	PMT-24V350W LRS-350-24	FMDD50D40NOM

FSL60 直线模组-技术参数
FSL60-TECHNICAL PARAMETER

TECHNICAL PARAMETER	重复定位精度[mm] Position Accuracy	±0.02		
	滚珠丝杆直径[mm] Ball Screw Diameter	φ16	φ16	φ16
	滚珠丝杆导程[mm] Lead	5	10	16
	水平最大负载[kg] Max Horizontal Loadings	40	30	20
	垂直最大负载[kg] Max Vertical Loading	10	6	4
	空载速度[mm/s] Without Loading Speed	200	320	400
	水平满载速度[mm/s] Max Horizontal Full Speed	100	200	500
	垂直满载速度[mm/s] Max Vertical Full Speed	70	100	200
	侧装最大负载[kg] Max side mounted payload	7		
	侧装满载速度[mm/s] max side mounted speed	75	150	240
	额定加速度[mm/s ²] Rated Acceleration	500		
	最大推力[N] Maximum thrust	376	200	160
	储藏温度[°C] Storage temperature	-15°C—+60°C		
	IP等级 IP LEVEL	IP51		

FSL60 直线模组-尺寸图
FSL60-DIMENSIONAL DRAWING



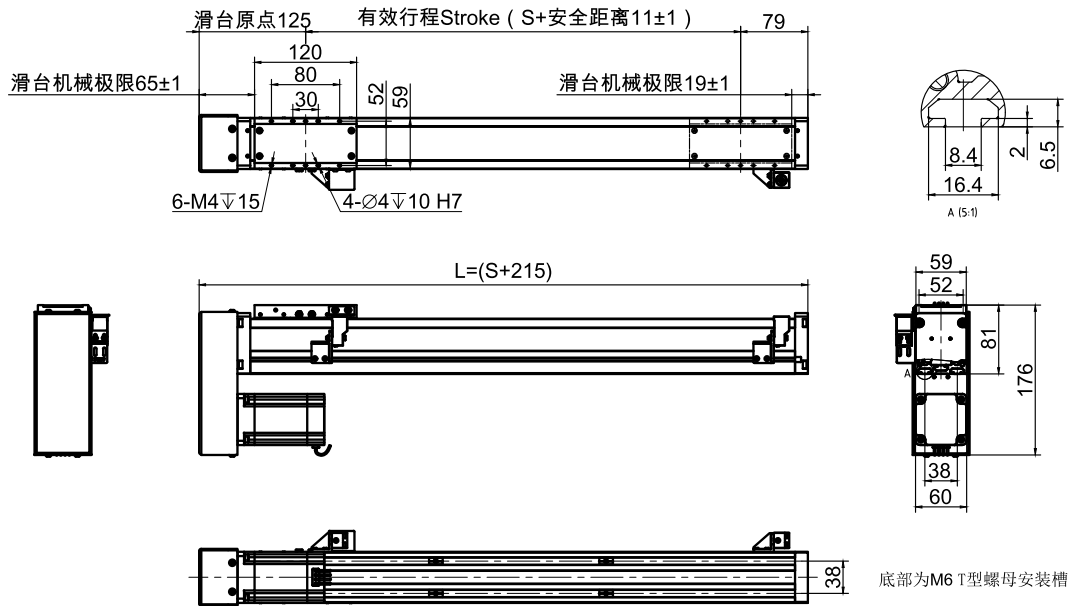
BD

电机下折 MOTOR DOWN SIDE

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail

M : 阵列数
M : Number of arrays

N : 安装孔个数
N : Number of mounting holes



行程[mm] Stroke	50	100	150	200	250	300	350	400	450	500	600	700	800	900	1050
模组总长[mm] Linear Guide Total Length	265	315	365	415	465	515	585	615	665	715	815	915	1015	1115	1265
重量[kg] Weight	2.8	3.1	3.4	3.7	4.0	4.3	4.6	4.9	5.2	5.5	6.1	6.7	7.3	7.9	8.8

注:图中参考电机为步进电机60102系列,仅供参考。 reminder: refered motor in image is stepper motor 60102 series, only for reference

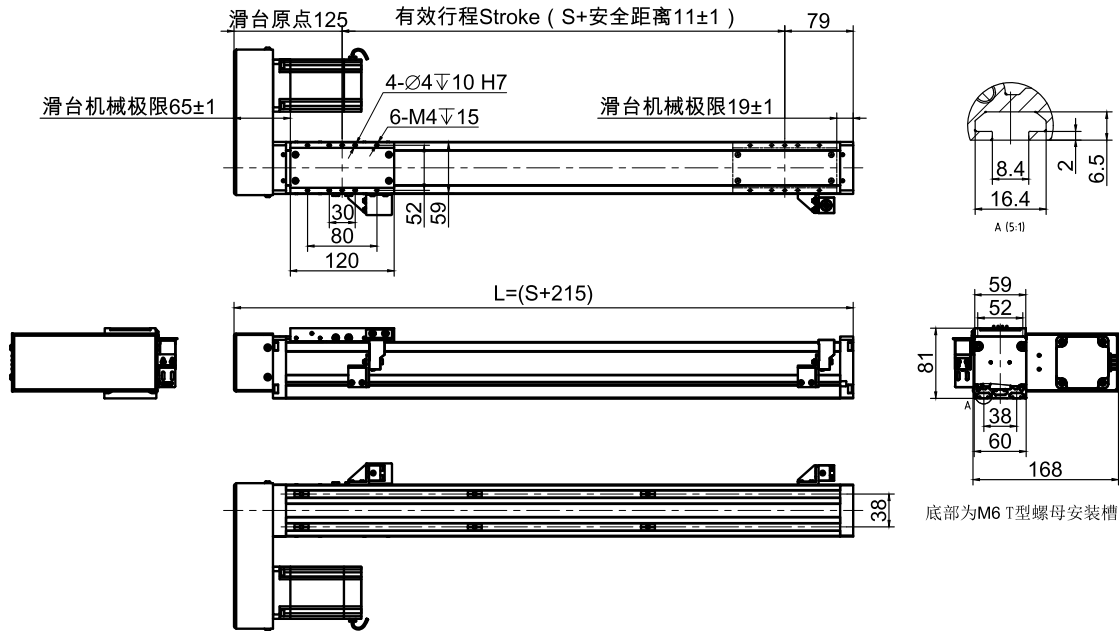
BR

电机右折 MOTOR RIGHT SIDE

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail

M : 阵列数
M : Number of arrays

N : 安装孔个数
N : Number of mounting holes



行程[mm] Stroke	50	100	150	200	250	300	350	400	450	500	600	700	800	900	1050
模组总长[mm] Linear Guide Total Length	265	315	365	415	465	515	585	615	665	715	815	915	1015	1115	1265
重量[kg] Weight	2.8	3.1	3.4	3.7	4.0	4.3	4.6	4.9	5.2	5.5	6.1	6.7	7.3	7.9	8.8

注:图中参考电机为步进电机60102系列,仅供参考。 reminder: refered motor in image is stepper motor 60102 series, only for reference

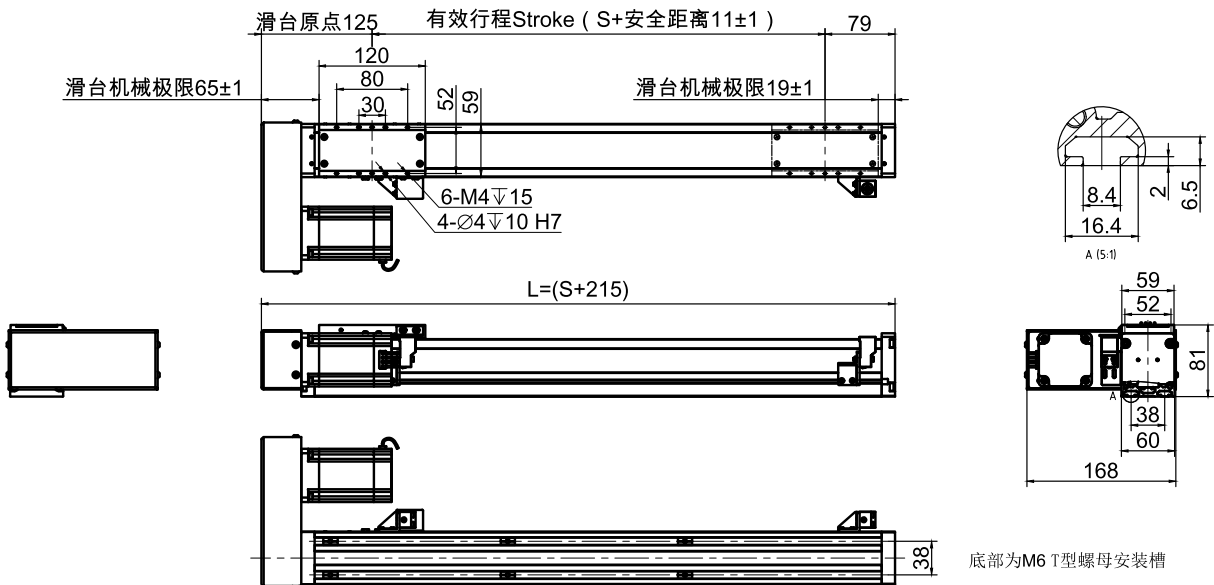
BL

电机左折 MOTOR LEFT SIDE

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail

M : 阵列数
M : Number of arrays

N : 安装孔个数
N : Number of mounting holes

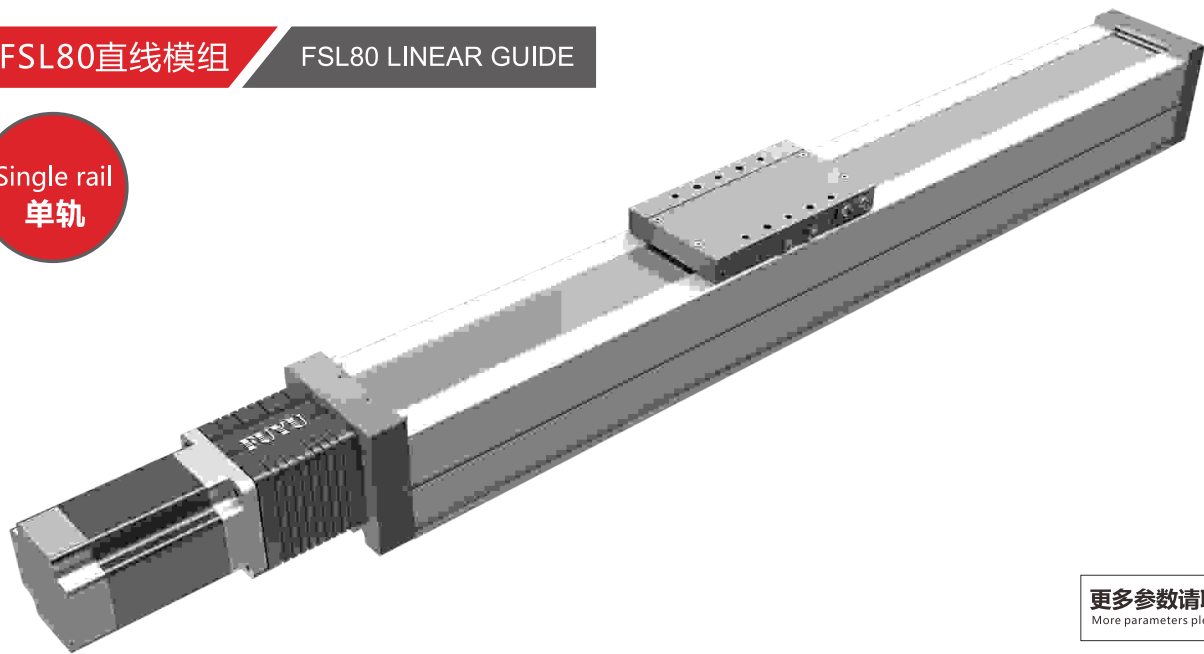


行程[mm] Stroke	50	100	150	200	250	300	350	400	450	500	600	700	800	900	1050
模组总长[mm] Linear Guide Total Length	265	315	365	415	465	515	585	615	665	715	815	915	1015	1115	1265
重量[kg] Weight	2.8	3.1	3.4	3.7	4.0	4.3	4.6	4.9	5.2	5.5	6.1	6.7	7.3	7.9	8.8

注:图中参考电机为步进电机60102系列,仅供参考。 reminder: refered motor in image is stepper motor 60102 series, only for reference

FSL80直线模组 FSL80 LINEAR GUIDE

Single rail
单轨



更多参数请联系我们
More parameters please contact us

重复定位精度[mm]
Position Accuracy
±0.02

有效行程[mm]
Effective Stroke
50~1200

垂直最大负载[kg]
Max Vertical Loading
20

水平最大负载[kg]
Max Horizontal Loadings
40

FSL80 直线模组-型号表示方式
FSL80-ORDERING METHOD

※为标配电机

FSL80		E300		10		C7		BC		B60		S	
丝杆模组-FSL系列 Screw module - FSL series		导程 Lead		丝杆滑台 Screw Slider		电机位置 Motor position		丝杆滑台 Screw Slider		厂牌 Brand name		伺服电机 Servo motor	
型号 Model	本体宽 (mm) Wide(mm)	丝杆滑台 Screw Slider		有效行程 Effective trip		电机位置 Motor position		丝杆滑台 Screw Slider		厂牌 Brand name		伺服电机 Servo motor	
FSL80	80	05 5mm		丝杆外径 Screw Outer Diameter		BC 电机直连 Motor Exposed		P松下 P		10:100W		10:100W	
		10 10mm		标准行程 Wide(mm)		BL 电机左折 Motor Left Side		T台达 T		20:200W		20:200W	
		16 16mm		丝杆驱动 Ball Screw Driven		BR 电机右折 Motor Right Side		Y安川 Y		40:400W		40:400W	
		Ø16		重复定位精度 Repeated Positioning Accuracy		BD 电机下折 Motor Down Side		M三菱 M		75:750W		75:750W	
		50-1200		丝杆驱动 Ball Screw Driven		步进电机 Stepping motor		※ B60 60X102		B86 86X98		刹车 brake	
		±0.02		C7		无刹车不表示 Extra Enquiry If Need Brake							

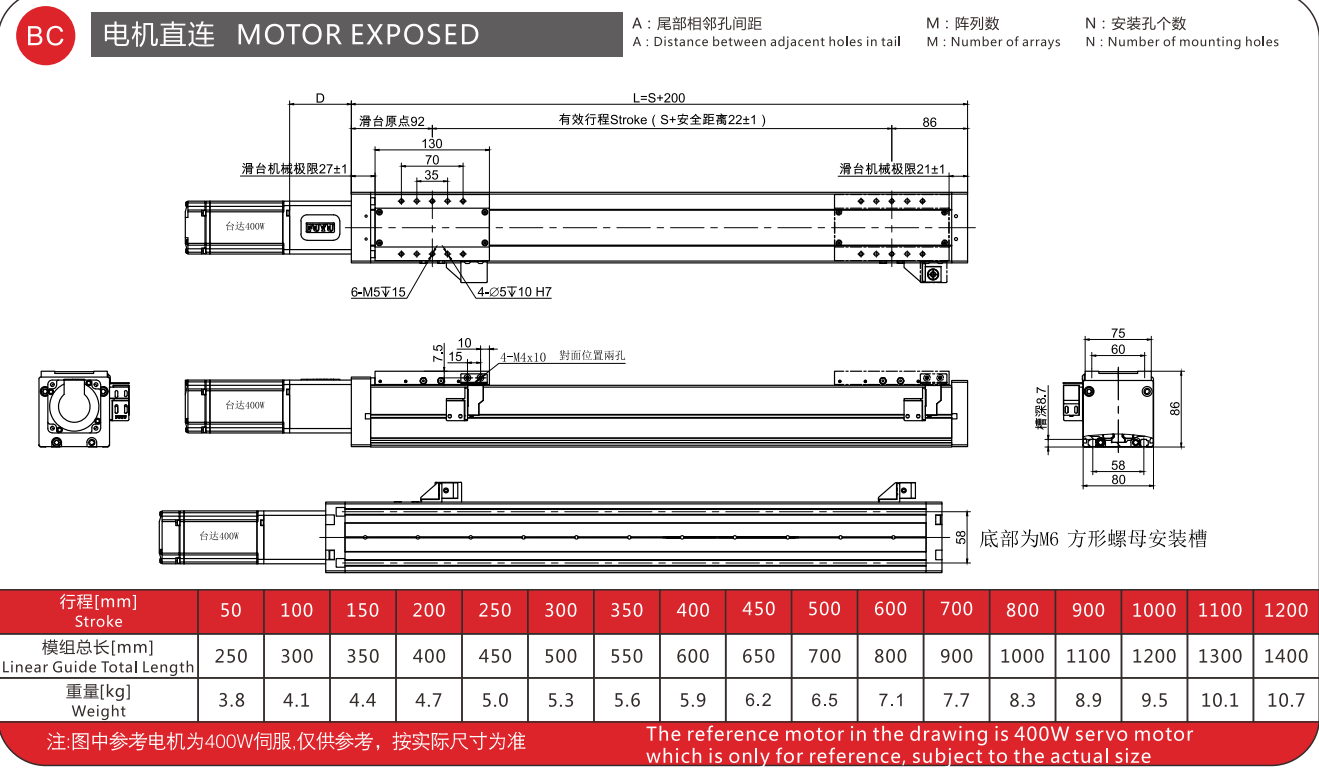
FSL80 直线模组-搭配一览表
FSL80-COLLOCATION LIST

触摸屏 Touch screen	控制器 Controller	限位开关 Limit switch	直流电源型号 DC power model	驱动器型号 Drive model
TPC7062HW	FSC-2A	SN04-N(NPN.NO)	PMT-24V350W	FMDD50D40NOM
	FMC4030		LRS-350-24	

FSL80 直线模组-技术参数
FSL80-TECHNICAL PARAMETER

TECHNICAL PARAMETER	重复定位精度[mm] Position Accuracy	±0.02
	滚珠丝杆直径[mm] Ball Screw Diameter	φ16
	滚珠丝杆导程[mm] Lead	10
	水平最大负载[kg] Max Horizontal Loadings	40
	垂直最大负载[kg] Max Vertical Loading	20
	空载速度[mm/s] Without Loading Speed	220
	水平满载速度[mm/s] Max Horizontal Full Speed	210
	垂直满载速度[mm/s] Max Vertical Full Speed	60
	侧装最大负载[kg] Max side mounted payload	15
	侧装满载速度[mm/s] max side mounted speed	120
	额定加速度[mm/s ²] Rated Acceleration	500
	最大推力[N] Maximum thrust	452
储藏温度[°C] Storage temperature		-15℃—+60℃
IP等级 IP LEVEL		IP51

FSL80 直线模组-尺寸图
FSL80-DIMENSIONAL DRAWING



BD

电机下折 MOTOR DOWN SIDE

A : 尾部相邻孔间距

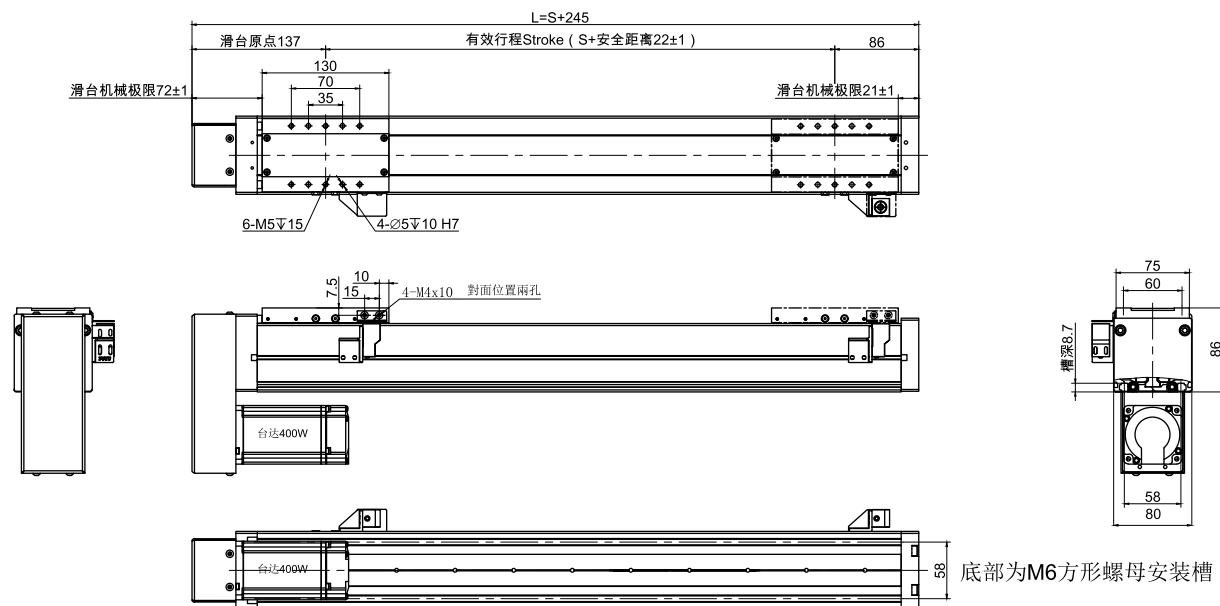
A : Distance between adjacent holes in tail

M : 阵列数

M : Number of arrays

N : 安装孔个数

N : Number of mounting holes



行程[mm] Stroke	50	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1100	1200
模组总长[mm] Linear Guide Total Length	295	345	395	445	495	545	645	695	745	795	845	945	1045	1145	1245	1345	1445
重量[kg] Weight	3.8	4.1	4.4	4.7	5.0	5.3	5.6	5.9	6.2	6.5	7.1	7.7	8.3	8.9	9.5	10.1	10.7

注:图中参考电机为400W伺服,仅供参考,按实际尺寸为准

The reference motor in the drawing is 400W servo motor which is only for reference, subject to the actual size

BL

电机左折 MOTOR LEFT SIDE

A : 尾部相邻孔间距

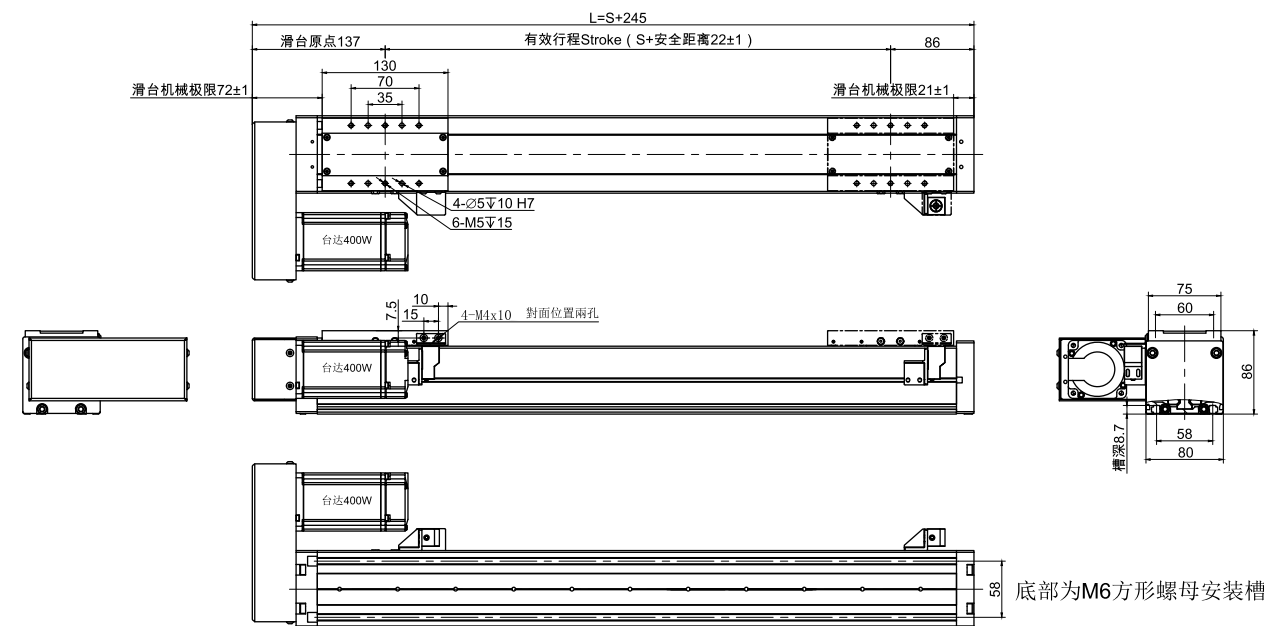
A : Distance between adjacent holes in tail

M : 阵列数

M : Number of arrays

N : 安装孔个数

N : Number of mounting holes



行程[mm] Stroke	50	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1100	1200
模组总长[mm] Linear Guide Total Length	295	345	395	445	495	545	645	695	745	795	845	945	1045	1145	1245	1345	1445
重量[kg] Weight	3.8	4.1	4.4	4.7	5.0	5.3	5.6	5.9	6.2	6.5	7.1	7.7	8.3	8.9	9.5	10.1	10.7

注:图中参考电机为400W伺服,仅供参考,按实际尺寸为准

The reference motor in the drawing is 400W servo motor which is only for reference, subject to the actual size

BR

电机右折 MOTOR RIGHT SIDE

A : 尾部相邻孔间距

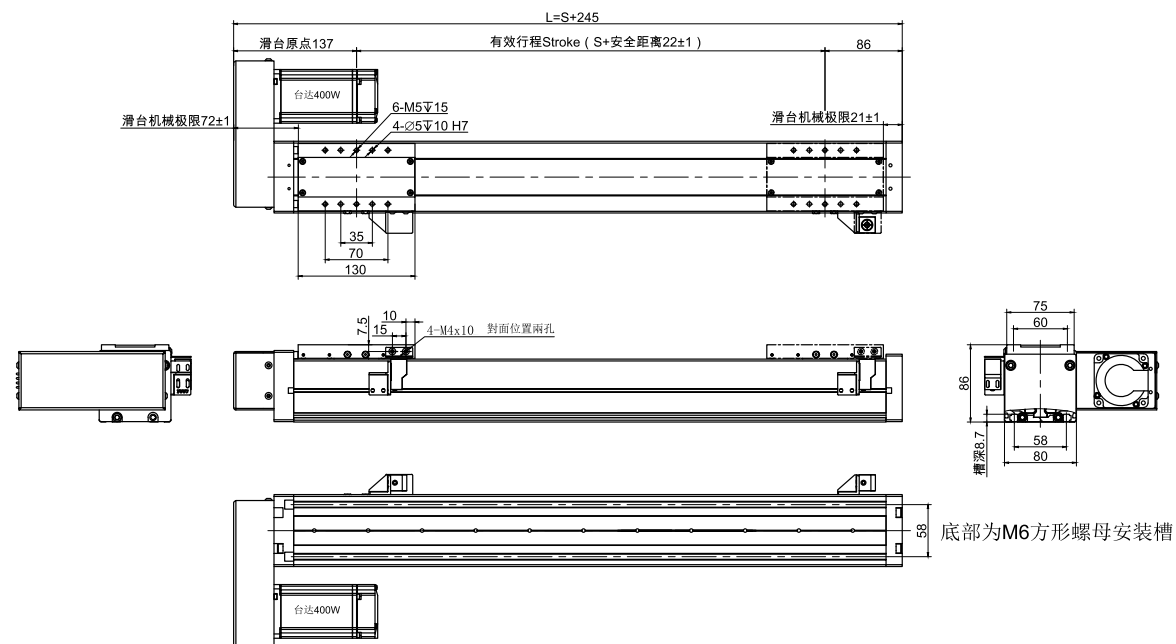
A : Distance between adjacent holes in tail

M : 阵列数

M : Number of arrays

N : 安装孔个数

N : Number of mounting holes



行程[mm] Stroke	50	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1100	1200
模组总长[mm] Linear Guide Total Length	295	345	395	445	495	545	645	695	745	795	845	945	1045	1145	1245	1345	1445
重量[kg] Weight	3.8	4.1	4.4	4.7	5.0	5.3	5.6	5.9	6.2	6.5	7.1	7.7	8.3	8.9	9.5	10.1	10.7

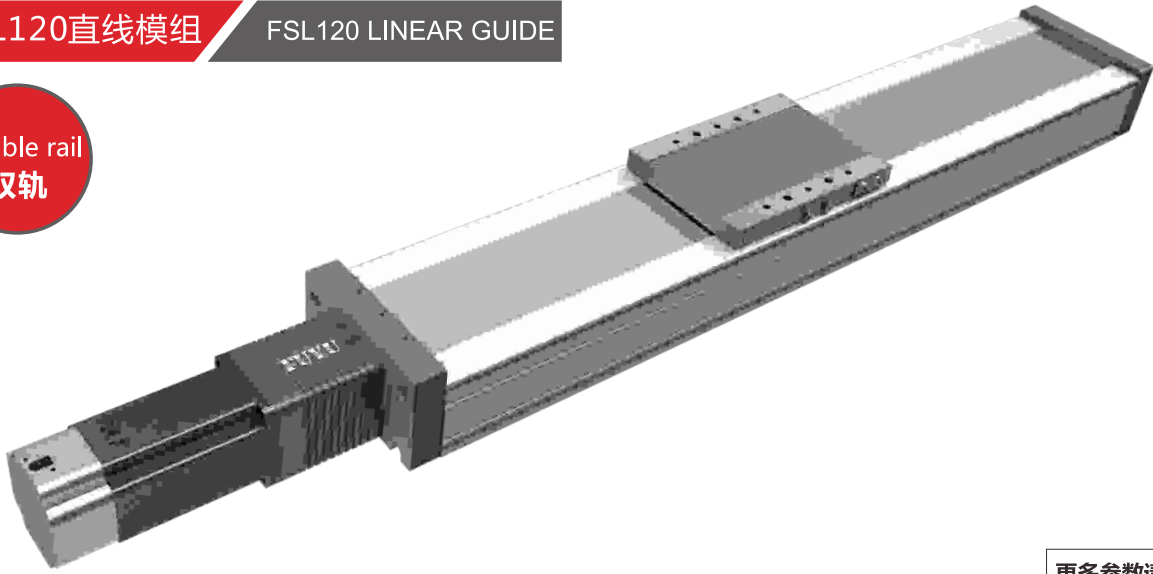
注:图中参考电机为400W伺服,仅供参考,按实际尺寸为准

The reference motor in the drawing is 400W servo motor which is only for reference, subject to the actual size

FSL120直线模组

FSL120 LINEAR GUIDE

Double rail
双轨



更多参数请联系我们
More parameters please contact us

重复定位精度[mm]
Position Accuracy
±0.02

有效行程[mm]
Effective Stroke
50~1500

垂直最大负载[kg]
Max Vertical Loading
50

水平最大负载[kg]
Max Horizontal Loadings
100

FSL120 直线模组-型号表示方式

FSL120-ORDERING METHOD

※为标配电机

FSL120	E300	10	C7	BC	B86	S
丝杆模组-FSL系列 Screw module - FSL series	导程 Lead		电机位置 Motor position		厂牌 Brand name	
型号 Model	丝杆滑台 Screw Slider		丝杆滑台 Screw Slider		伺服电机 Servo motor	
FSL120	120		BC 电机直连 Motor Exposed		P松下 40:400W	
	05 5mm		BL 电机左折 Motor Left Side		T台达 75:750W	
	10 10mm		BR 电机右折 Motor Right Side		Y安川	
	16 16mm		BD 电机下折 Motor Down Side		M三菱	
	20 20mm					
	有效行程 Effective trip		重复定位精度 Repeated Positioning Accuracy		步进电机 Stepping motor	
	丝杆外径 Screw Outer Diameter	标准行程 Wide(mm)	丝杆驱动 Ball Screw Driven		※ B86 86X98	
	Ø16	50-1050	C7 ±0.02		※ 86X128	
	Ø20	50-1500			刹车 brake	
					无刹车不表示 Extra Enquiry If Need Brake	

FSL120直线模组-搭配一览表

FSL120-COLLOCATION LIST

触摸屏 Touch screen	控制器 Controller	限位开关 Limit switch	直流电源型号 DC power model	驱动器型号 Drive model
TPC7062HW	FSC-2A	SN04-N(NPN.NO)	PMT-24V350W	FMDT220A48NOM
	FMC4030		LRS-350-24	
			PMT-24V100W	

FSL120 直线模组-技术参数

FSL120-TECHNICAL PARAMETER

TECHNICAL PARAMETER	重复定位精度[mm] Position Accuracy	±0.02	
	产品型号 Product model	FSL120-BC-B86电机	FSL120-BL/R/D-T40电机
	滚珠丝杆直径[mm] Ball Screw Diameter	φ16/20	φ16/20
	滚珠丝杆导程[mm] Lead	10	10
	水平最大负载[kg] Max Horizontal Loadings	100	70
	垂直最大负载[kg] Max Vertical Loading	50	20
	空载速度[mm/s] Without Loading Speed	420	500
	水平满载速度[mm/s] Max Horizontal Full Speed	380	500
	垂直满载速度[mm/s] Max Vertical Full Speed	300	500
	额定加速度[mm/s ²] Rated Acceleration	1000	2500
	最大推力[N] Maximum thrust	2050	2050
	储藏温度[°C] Storage temperature	-15°C—+60°C	
	IP等级 IP LEVEL	IP51	

FSL120 直线模组-尺寸图

FSL120-DIMENSIONAL DRAWING

BC

电机直连 MOTOR EXPOSED

A : 尾部相邻孔间距

A : Distance between adjacent holes in tail

M : 阵列数

M : Number of arrays

N : 安装孔个数

N : Number of mounting holes

行程[mm] Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750
模组总长[mm] Linear Guide Total Length	275	325	375	425	475	525	575	625	675	725	775	825	875	925	975
重量[kg] Weight	5.6	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.8	10.3	10.3	11.3	11.8	12.3	12.8
行程[mm] Stroke	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
模组总长[mm] Linear Guide Total Length	1025	1075	1125	1175	1225	1275	1325	1375	1425	1475	1525	1575	1625	1675	1725
重量[kg] Weight	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3	18.8	19.3	19.8	20.3

备注：螺母安装数量 会以长度不同而变化，以实际为准。

The installation length of nut shall be subject to the actual situation

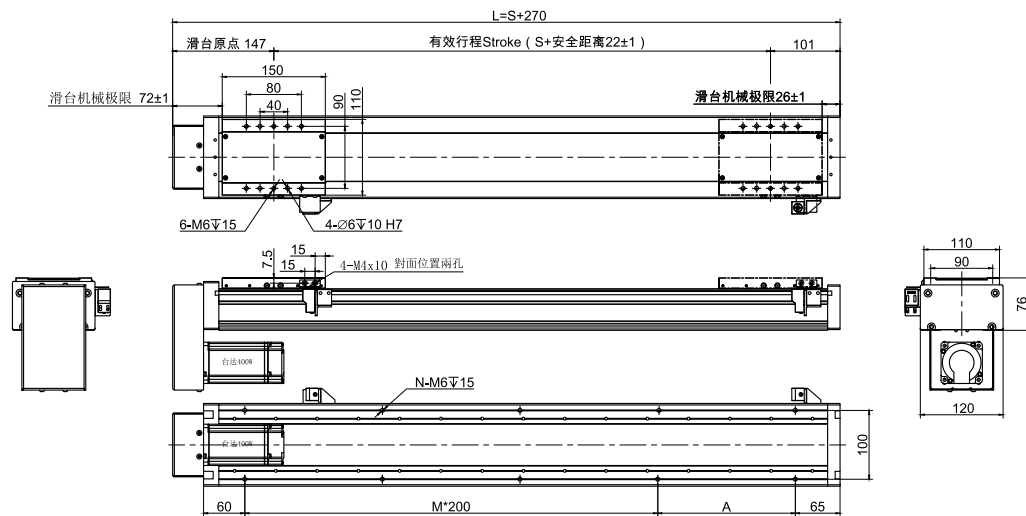
BD

电机下折 MOTOR DOWN SIDE

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail

M : 阵列数
M : Number of arrays

N : 安装孔个数
N : Number of mounting holes



行程[mm] Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750
模组总长[mm] Linear Guide Total Length	320	370	420	470	520	570	620	670	720	770	820	870	920	970	1020
重量[kg] Weight	6.1	6.6	7.0	7.5	7.9	8.4	8.8	9.3	9.7	10.2	10.6	11.1	11.5	12.0	12.4
行程[mm] Stroke	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
模组总长[mm] Linear Guide Total Length	1070	1120	1170	1220	1270	1320	1370	1420	1470	1520	1570	1620	1670	1720	1770
重量[kg] Weight	12.9	13.3	13.8	14.2	14.7	15.1	15.6	16.0	16.5	16.9	17.4	17.8	18.3	18.7	19.2

备注：螺母安装数量 会以长度不同而变化，以实际为准。

The installation length of nut shall be subject to the actual situation

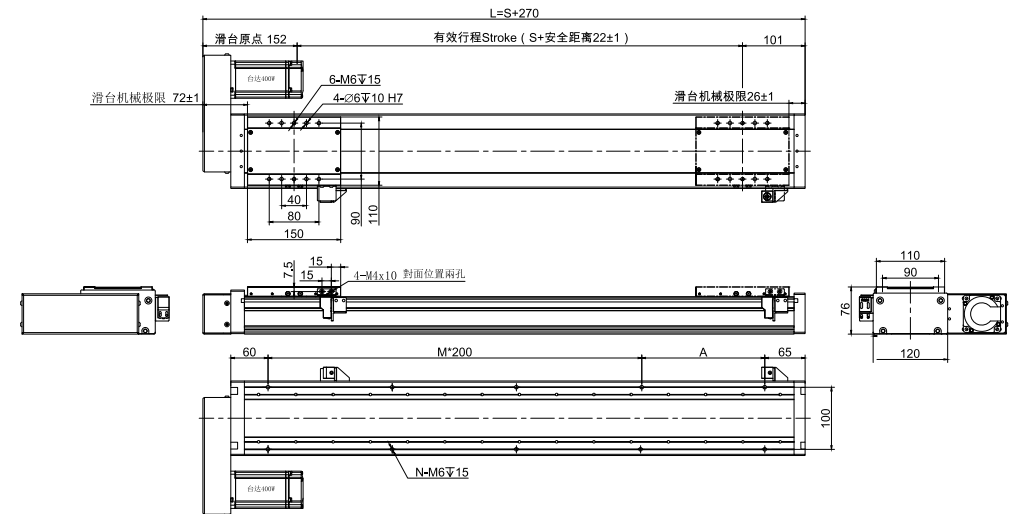
BR

电机右折 MOTOR RIGHT SIDE

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail

M : 阵列数
M : Number of arrays

N : 安装孔个数
N : Number of mounting holes



行程[mm] Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750
模组总长[mm] Linear Guide Total Length	320	370	420	470	520	570	620	670	720	770	820	870	920	970	1020
重量[kg] Weight	6.1	6.6	7.0	7.5	7.9	8.4	8.8	9.3	9.7	10.2	10.6	11.1	11.5	12.0	12.4
行程[mm] Stroke	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
模组总长[mm] Linear Guide Total Length	1070	1120	1170	1220	1270	1320	1370	1420	1470	1520	1570	1620	1670	1720	1770
重量[kg] Weight	12.9	13.3	13.8	14.2	14.7	15.1	15.6	16.0	16.5	16.9	17.4	17.8	18.3	18.7	19.2

备注：螺母安装数量 会以长度不同而变化，以实际为准。

The installation length of nut shall be subject to the actual situation

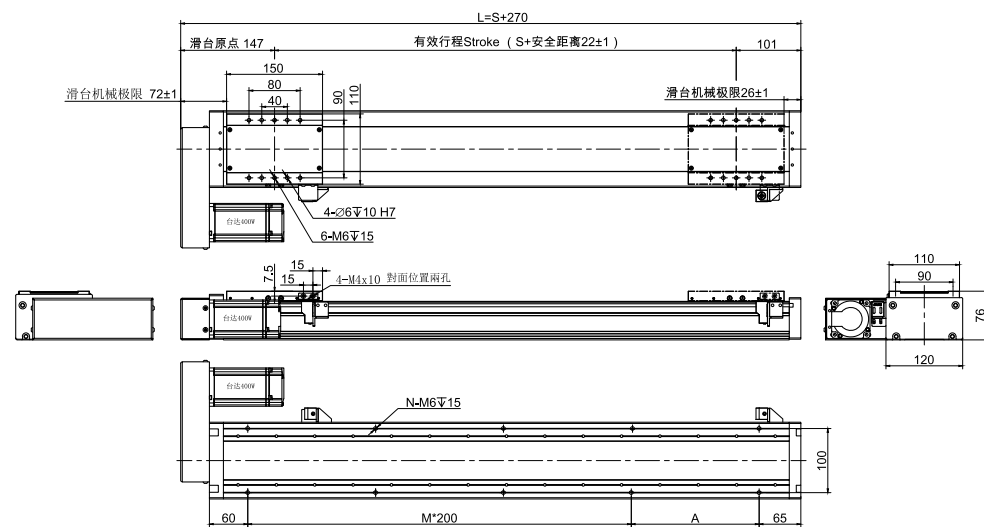
BL

电机左折 MOTOR LEFT SIDE

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail

M : 阵列数
M : Number of arrays

N : 安装孔个数
N : Number of mounting holes



行程[mm] Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750
模组总长[mm] Linear Guide Total Length	320	370	420	470	520	570	620	670	720	770	820	870	920	970	1020
重量[kg] Weight	6.1	6.6	7.0	7.5	7.9	8.4	8.8	9.3	9.7	10.2	10.6	11.1	11.5	12.0	12.4
行程[mm] Stroke	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
模组总长[mm] Linear Guide Total Length	1070	1120	1170	1220	1270	1320	1370	1420	1470	1520	1570	1620	1670	1720	1770
重量[kg] Weight	12.9	13.3	13.8	14.2	14.7	15.1	15.6	16.0	16.5	16.9	17.4	17.8	18.3	18.7	19.2

备注：螺母安装数量 会以长度不同而变化，以实际为准。

The installation length of nut shall be subject to the actual situation

FBL系列模组

FBL LINEAR GUIDE



长行程 高速度

LONG Stroke HIGH SPEED

FBL系列模组是以同步带为驱动，可轻易达到长行程使用条件，实现大动作范围的应用，采用铝制结构，最大行程可达3900mm，最高速度可达3000mm/s

FBL series modules are driven by synchronous belt , can easily reach long Stroke use condition , realized big motion range application ,use aluminum made structure, max Stroke reach 3900mm, max speed up to 3000mm/s

技术特点

TECHNICAL FEATURES

1.可选配件 OPTIONAL ACCESSORIES

电源、驱动、限位开关、控制器、连接板、拖链
Power supply, drive, limit switch, controller, connection board, drag chain

2.应用范围 APPLICATION AREA

应用范围：主要用于搬运、喷涂、点胶等。包含点对点搬运,生产线工件换线装置,告诉输送带分装装置,捆包膜切断装置,CNC加工间搬运装置。

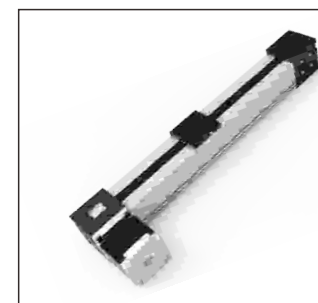
Application range: laser cutting machine,PV back sheet cutting engraving machine, transportation mechanical arm, assistant device, Electric research test function demonstration, kinds of industrail automatic production line, kinds of precision machinery processing

3.产业 INDUSTRY

TFT-LCD液晶面板设备，太阳能设备，食品设备，包装设备，CNC加工设备。
Semiconductor device, LED online device, solar equipment, FPD equipment



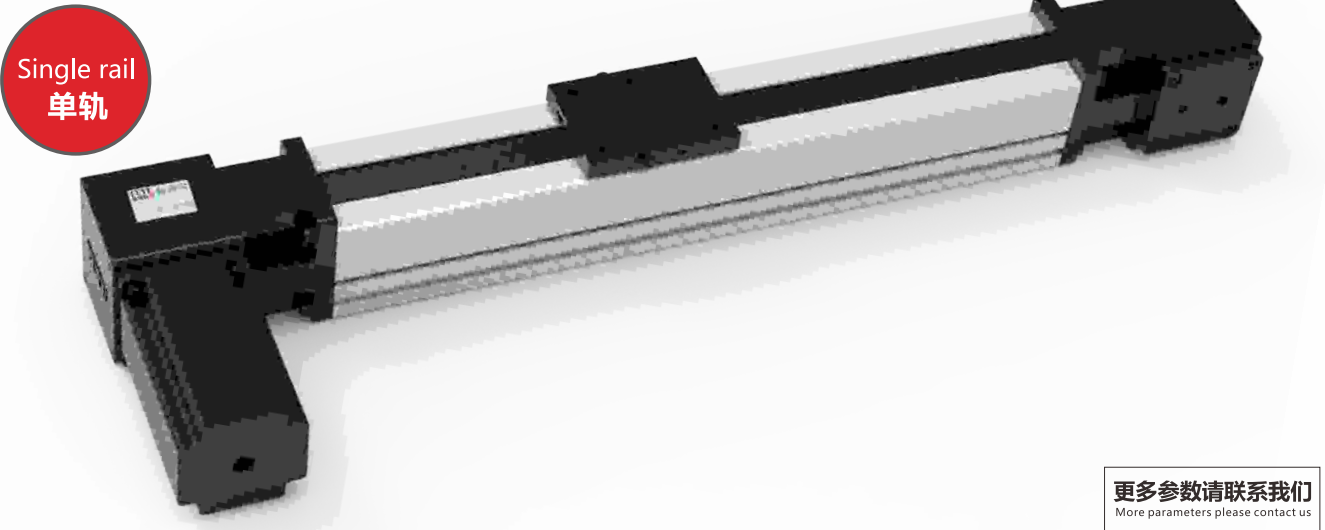
FBL60 直线模组
FBL60 LINEAR MODULE
»» P41



FBL80 直线模组
FBL80 LINEAR MODULE
»» P44

FBL60直线模组

FBL60 LINEAR GUIDE



Single rail
单轨

更多参数请联系我们
More parameters please contact us

重复定位精度[mm]
Position Accuracy
±0.05

有效行程[mm]
Effective Stroke
100~3900

垂直最大负载[kg]
Max Vertical Loading
特殊需求请联系我们
Please contact us for special needs

水平最大负载[kg]
Max Horizontal Loadings
30

FBL60 直线模组-型号表示方式
FBL60-ORDERING METHOD

※为标配电机

FBL60		E300	135	BL		B60	S
自封式同步带模组-FBL系列 Belt module FBL series		导程 Lead		电机位置 Motor position		厂牌 Brand name	
型号 Model	本体宽 (mm) Wide(mm)	同步带滑台 Belt Slider		丝杆滑台 Screw Slider		伺服电机 Servo motor	
FBL60	60	135mm		BL 电机左折 Motor Left Side BR 电机右折 Motor Right Side		P松下 40:400W T台达 Y安川 M三菱	
		有效行程 Effective trip				步进电机 Stepping motor	
型号 Model	标准行程 Stroke (mm)					※ B60 60X102	
BL60	E100-3900					刹车 brake	
						无刹车不表示 Extra Enquiry If Need Brake	

FBL60直线模组-搭配一览表
FBL60-COLLOCATION LIST

触摸屏 Touch screen	控制器 Controller	限位开关 Limit switch	直流电源型号 DC power model	驱动器型号 Drive model
TPC7062HW	FSC-2A	SN04-N(NPN.NO)	PMT-24V350W	FMDD50D40NOM
	FMC4030		LRS-350-24	

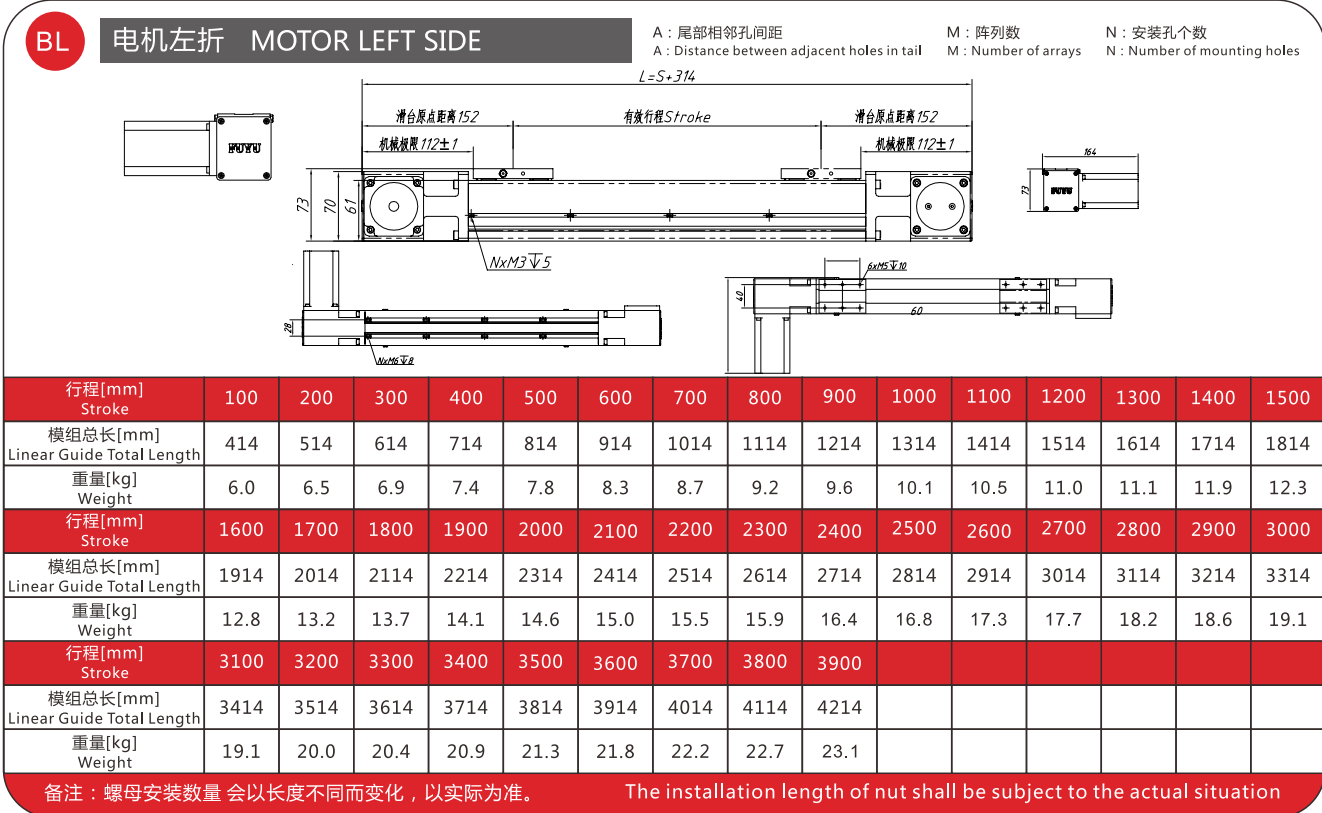
FBL60 直线模组-技术参数

FBL60-TECHNICAL PARAMETER

TECHNICAL PARAMETER	重复定位精度[mm] Position Accuracy	±0.05
	电机保持转矩[Nm] Motor holding torque	3.5
	同步轮周长[mm] Synchronous wheel circumference	140
	水平最大负载[kg] Max Horizontal Loadings	30
	垂直最大负载[kg] Max Vertical Loading	特殊需求请联系我们 Please contact us for special needs
	侧装最大负载[kg] Max side mounted payload	7.5
	侧装满载速度[mm/s] max side mounted speed	500
	空载速度[mm/s] Without Loading Speed	930
	水平满载速度[mm/s] Max Horizontal Full Speed	900
	垂直满载速度[mm/s] Max Vertical Full Speed	300
	额定加速度[mm/s ²] Rated Acceleration	2000
	最大推力[N] Maximum thrust	60
	IP等级 IP LEVEL	IP51

FBL60 直线模组-尺寸图

FBL60-DIMENSIONAL DRAWING



BR

电机右折 MOTOR RIGHT SIDE

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail
 $L=S+31\phi$

M : 阵列数
M : Number of arrays

N : 安装孔个数
N : Number of mounting holes

行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
模组总长[mm] Linear Guide Total Length	414	514	614	714	814	914	1014	1114	1214	1314	1414	1514	1614	1714	1814
重量[kg] Weight	6.0	6.5	6.9	7.4	7.8	8.3	8.7	9.2	9.6	10.1	10.5	11.0	11.1	11.9	12.3
行程[mm] Stroke	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
模组总长[mm] Linear Guide Total Length	1914	2014	2114	2214	2314	2414	2514	2614	2714	2814	2914	3014	3114	3214	3314
重量[kg] Weight	12.8	13.2	13.7	14.1	14.6	15.0	15.5	15.9	16.4	16.8	17.3	17.7	18.2	18.6	19.1
行程[mm] Stroke	3100	3200	3300	3400	3500	3600	3700	3800	3900						
模组总长[mm] Linear Guide Total Length	3414	3514	3614	3714	3814	3914	4014	4114	4214						
重量[kg] Weight	19.1	20.0	20.4	20.9	21.3	21.8	22.2	22.7	23.1						

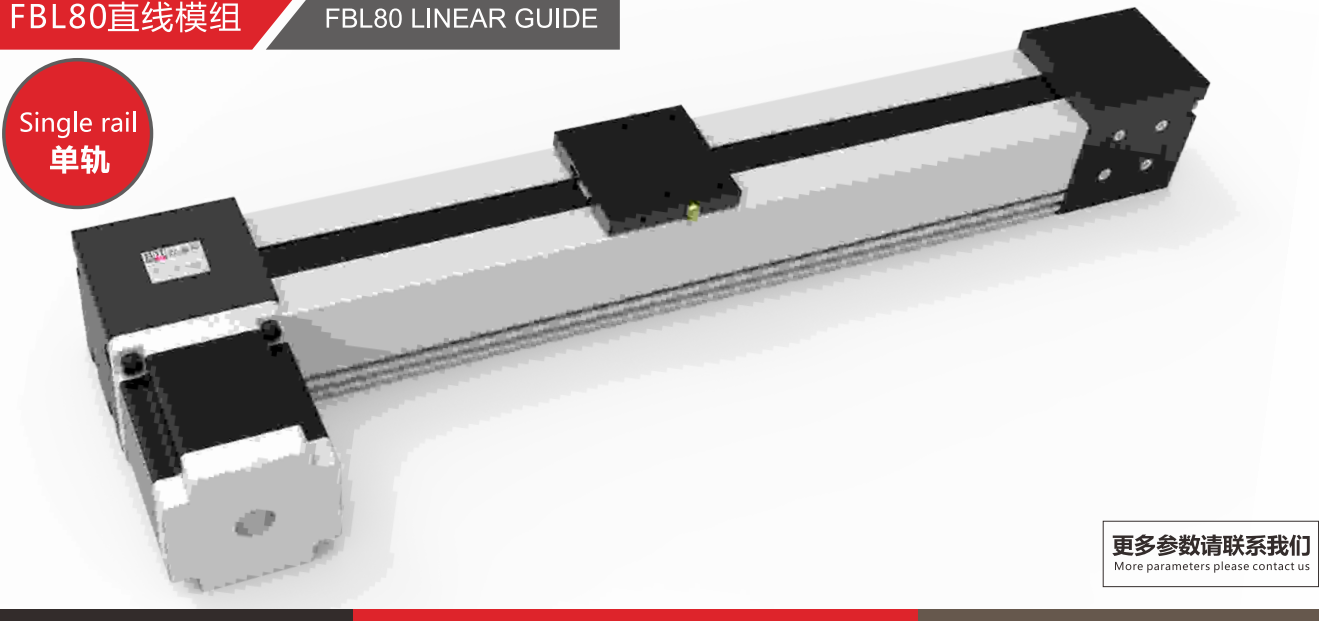
备注：螺母安装数量 会以长度不同而变化，以实际为准。

The installation length of nut shall be subject to the actual situation

FBL80直线模组

FBL80 LINEAR GUIDE

Single rail
单轨



更多参数请联系我们
More parameters please contact us

重复定位精度[mm]
Position Accuracy

±0.05

有效行程[mm]
Effective Stroke

100~3900

垂直最大负载[kg]
Max Vertical Loading

特殊需求请联系我们
Please contact us for special needs

水平最大负载[kg]
Max Horizontal Loadings

30

FBL80 直线模组-型号表示方式

FBL80-ORDERING METHOD

※为标配电机

FBL80		E300	165	BL			B86	S
自封式同步带模组-FBL系列 Belt module FBL series		导程 Lead		电机位置 Motor position			厂牌 Brand name	
型号 Model	本体宽 (mm) Wide(mm)	同步带滑台 Wheel perimeter		丝杆滑台 Screw Slider			伺服电机 Servo motor	
FBL80	80	165mm		BL	电机左折 Motor Left Side		P松下	75:750W
		有效行程 Effective trip		BR	电机右折 Motor Right Side		T台达	
		型号 Model	标准行程 Stroke (mm)				Y安川	
		BL80	E100-3900				M三菱	
							步进电机 Stepping motor	
							※ B86	86X98
							刹车 brake	
							无刹车不表示 Extra Enquiry If Need Brake	

FBL80直线模组-搭配一览表

FBL80-COLLOCATION LIST

触摸屏 Touch screen	控制器 Controller	限位开关 Limit switch	直流电源型号 DC power model	驱动器型号 Drive model
TPC7062HW	FSC-2A	SN04-N(NPN.NO)	PMT-24V350W	FMDT220A48NOM
	FMC4030		LRS-350-24	
			PMT-24V100W	

FBL80 直线模组-技术参数

FBL80-TECHNICAL PARAMETER

TECHNICAL PARAMETER	重复定位精度[mm] Position Accuracy	±0.05
	电机保持转矩[Nm] Motor holding torque	7.5
	同步轮周长[mm] Synchronous wheel circumference	165
	水平最大负载[kg] Max Horizontal Loadings	30
	垂直最大负载[kg] Max Vertical Loading	特殊需求请联系我们 Please contact us for special needs
	侧装最大负载[kg] Max side mounted payload	15
	侧装满载速度[mm/s] max side mounted speed	500
	空载速度[mm/s] Without Loading Speed	3000
	水平满载速度[mm/s] Max Horizontal Full Speed	1700
	垂直满载速度[mm/s] Max Vertical Full Speed	650
	额定加速度[mm/s ²] Rated Acceleration	3000
	最大推力[N] Maximum thrust	90
	储藏温度[°C] Storage temperature	-15℃—+60℃
	IP等级 IP LEVEL	IP51

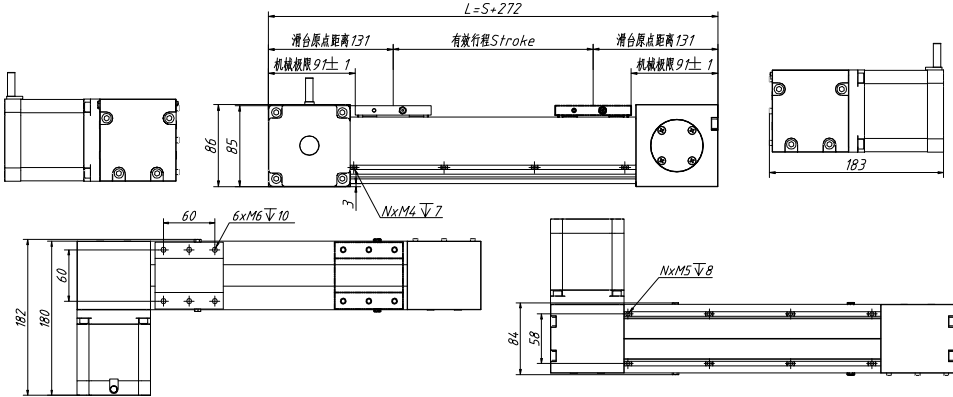
FBL80 直线模组-尺寸图

FBL80-DIMENSIONAL DRAWING

BL

电机左折 MOTOR LEFT SIDE

A：尾部相邻孔间距
A：Distance between adjacent holes in tail
M：阵列数
M：Number of arrays
N：安装孔个数
N：Number of mounting holes



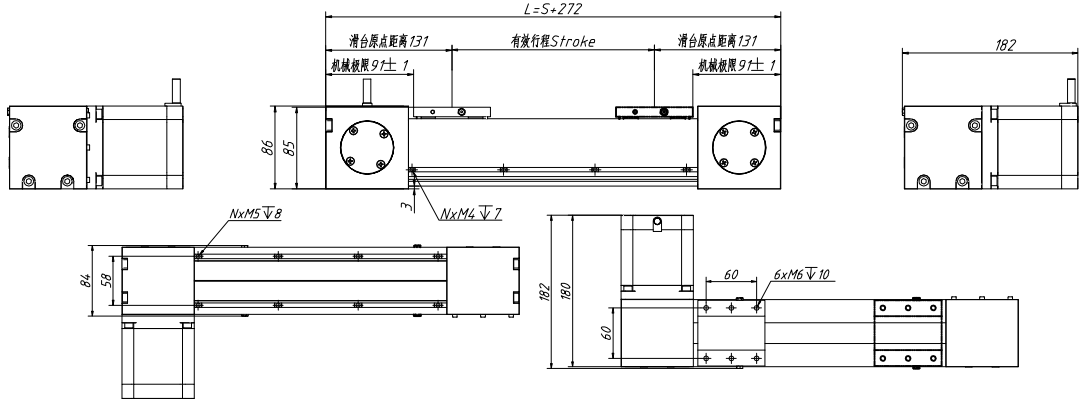
行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
模组总长[mm] Linear Guide Total Length	372	472	572	672	772	872	972	1072	1172	1272	1372	1472	1572	1672	1772
重量[kg] Weight	8.9	9.4	10.0	10.5	11.1	11.6	12.2	12.7	13.3	13.8	14.4	14.9	15.5	16.0	16.6
行程[mm] Stroke	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
模组总长[mm] Linear Guide Total Length	1872	1972	2072	2172	2272	2372	2472	2572	2672	2772	2872	2972	3072	3172	3272
重量[kg] Weight	17.1	17.7	18.2	18.8	19.3	19.9	20.4	21.0	21.5	22.1	22.6	23.2	23.7	24.3	24.8
行程[mm] Stroke	3100	3200	3300	3400	3500	3600	3700	3800	3900						
模组总长[mm] Linear Guide Total Length	3372	3472	3572	3672	3772	3872	3972	4072	4172						
重量[kg] Weight	25.4	25.9	26.5	27.0	27.6	28.1	28.7	29.2	29.8						

备注：螺母安装数量 会以长度不同而变化，以实际为准。 The installation length of nut shall be subject to the actual situation

BR

电机右折 MOTOR RIGHT SIDE

A：尾部相邻孔间距
A：Distance between adjacent holes in tail
M：阵列数
M：Number of arrays
N：安装孔个数
N：Number of mounting holes

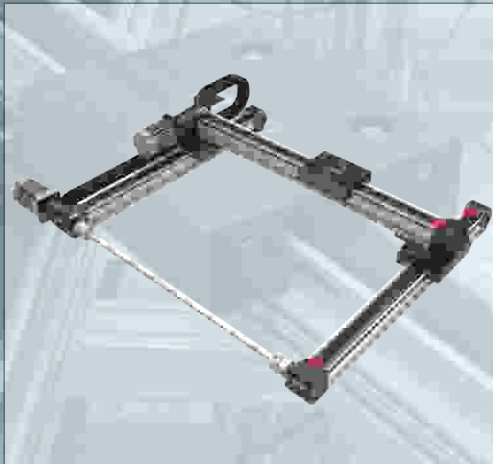


行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
模组总长[mm] Linear Guide Total Length	372	472	572	672	772	872	972	1072	1172	1272	1372	1472	1572	1672	1772
重量[kg] Weight	8.9	9.4	10.0	10.5	11.1	11.6	12.2	12.7	13.3	13.8	14.4	14.9	15.5	16.0	16.6
行程[mm] Stroke	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
模组总长[mm] Linear Guide Total Length	1872	1972	2072	2172	2272	2372	2472	2572	2672	2772	2872	2972	3072	3172	3272
重量[kg] Weight	17.1	17.7	18.2	18.8	19.3	19.9	20.4	21.0	21.5	22.1	22.6	23.2	23.7	24.3	24.8
行程[mm] Stroke	3100	3200	3300	3400	3500	3600	3700	3800	3900						
模组总长[mm] Linear Guide Total Length	3372	3472	3572	3672	3772	3872	3972	4072	4172						
重量[kg] Weight	25.4	25.9	26.5	27.0	27.6	28.1	28.7	29.2	29.8						

备注：螺母安装数量 会以长度不同而变化，以实际为准。 The installation length of nut shall be subject to the actual situation

FPB系列模组

FPB LINEAR GUIDE



低噪音 轻量化

LOW NOISE LIGHTWEIGHT

FPB系列模组是以同步带为驱动，可轻易达到长行程使用条件，实现大动作范围的应用，采用铝制结构，最大行程可达3500mm，最高速度可达4000mm/s

FBL series modules are driven by synchronous belt , can easily reach long Stroke use condition , realized big motion range application ,use aluminum made structure, max Stroke reach 3500mm, max speed up to 4000mm/s

技术特点

TECHNICAL FEATURES

1.可选配件 OPTIONAL ACCESSORIES

电源、驱动、限位开关、控制器、连接板、拖链

Power supply, drive, limit switch, controller, connection board, drag chain

2.应用范围 APPLICATION AREA

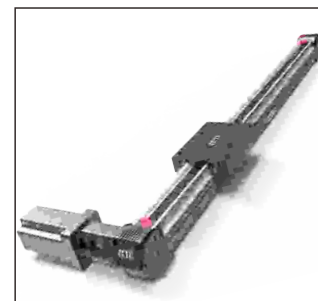
应用范围：主要用于搬运、喷涂、点胶等。包含点对点搬运,生产线工件换线装置,告诉输送带分装装置,捆包膜切断装置,CNC加工间搬运装置。

Application range: laser cutting machine,PV back sheet cutting engraving machine, transportation mechanical arm, assistant device, Electric research test function demonstration, kinds of industrail automatic production line, kinds of precision machinery processing

3.产业 INDUSTRY

TFT-LCD液晶面板设备，太阳能设备，食品设备，包装设备，CNC加工设备。

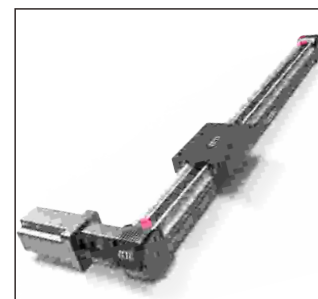
Semiconductor device, LED online device, solar equipment, FPD equipment



FPB45 直线模组
FPB45 LINEAR MODULE
P49



FPB50 直线模组
FPB50 LINEAR MODULE
P52



FPB60 直线模组
FPB60 LINEAR MODULE
P55

FPB45直线模组

FPB45 LINEAR GUIDE



更多参数请联系我们
More parameters please contact us

重复定位精度[mm]
Position Accuracy
±0.05

有效行程[mm]
Effective Stroke
100~3500

垂直最大负载[kg]
Max Vertical Loading
特殊需求请联系我们
Please contact us for special needs

水平最大负载[kg]
Max Horizontal Loadings
15

FPB45 直线模组-型号表示方式
FPB45-ORDERING METHOD

※为标配电机

FPB45		E300	80	L		B57	S
双导轨同步带模组 Dual Rail Belt Linear Guide		导程 Lead		电机位置 Motor position		厂牌 Brand name	
型号 Model		同步带模组 Synchronous belt module		同步带滑台 Belt slide		伺服电机 Servo motor	
FPB45		80mm		L 电机左方 Motor Left		P松下 10:100W	
				LU 电机左上方 Motor Upper Left		T台达 20:200W	
				LD 电机左下方 Motor Lower Left		Y安川 40:400W	
				R 电机右方 Motor Right		M三菱	
				RU 电机右上方 Motor Upper Right		步进电机 Stepping motor	
				RD 电机右下方 Motor Lower Right		※ B57 57X76	
						B60 60X102	
						刹车 brake	
						无刹车不表示 Extra Enquiry If Need Brake	

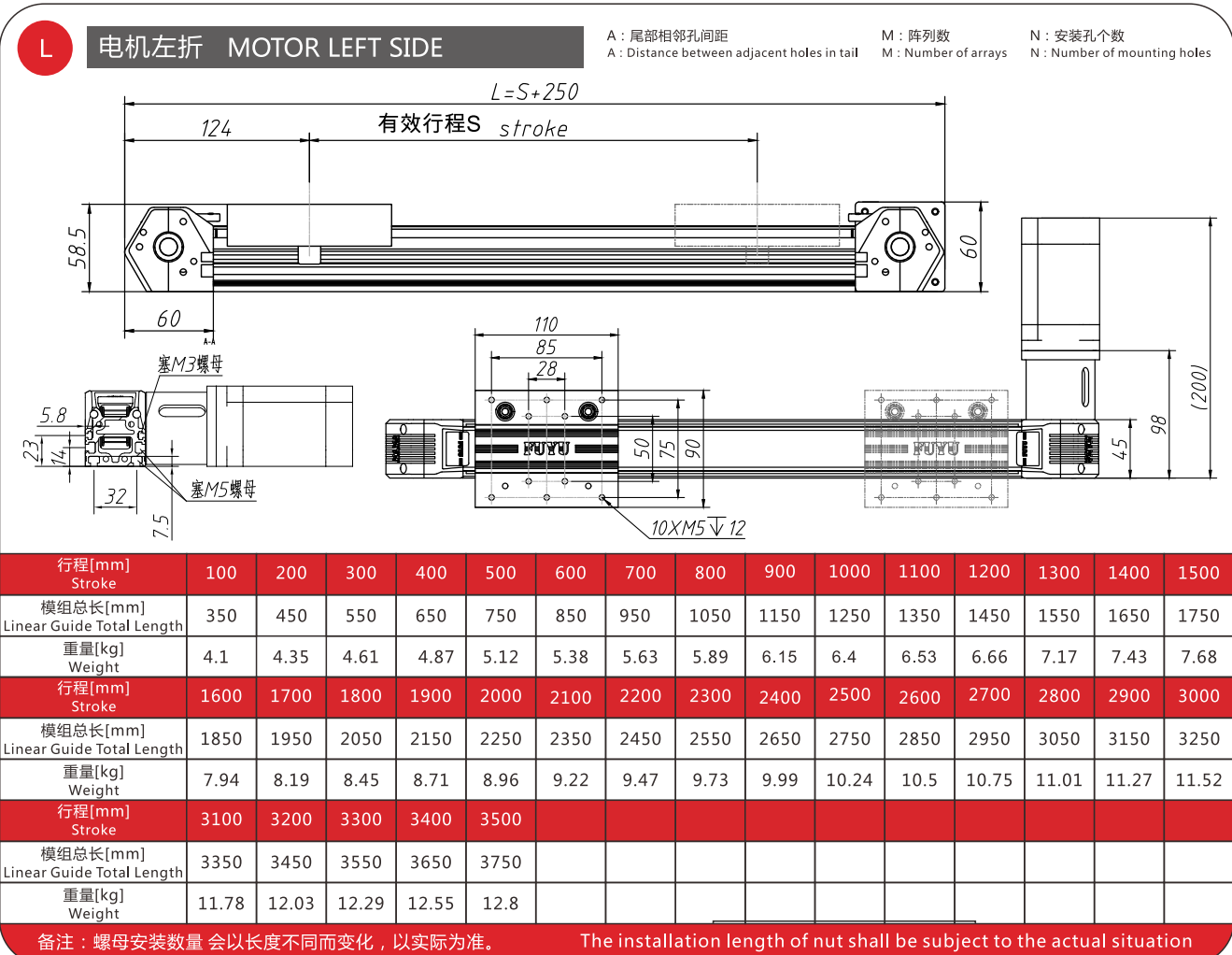
FPB45直线模组-搭配一览表
FPB45-COLLOCATION LIST

触摸屏 Touch screen	控制器 Controller	限位开关 Limit switch	直流电源型号 DC power model	驱动器型号 Drive model
TPC7062HW	FSC-2A	SN04-N(NPN.NO)	PMT-24V350W	FMDD50D40NOM
	FMC4030		LRS-350-24	
			PMT-24V100W	

FPB45 直线模组-技术参数
FPB45-TECHNICAL PARAMETER

TECHNICAL PARAMETER	重复定位精度[mm] Position Accuracy		±0.05					
	导程[mm] Lead		80					
	400W伺服电机 Servo motor	负载Load[kg]	0	5			10	
		速度Speed[mm/s]	0-2000	0-800	800-2000	2000	0-800	
		噪声Noise[dB]	≤65	≤55	≤60	≤70	≤55	
		负载Load[kg]	10	15		特殊需求请联系我们 Please contact us for special needs		
		速度Speed[mm/s]	800-2500	0-800	800-1600			
		噪声Noise[dB]	≤70	≤55	≤65			
	5776步进电机 Stepper motor	负载Load[kg]	0	5		10		15
		速度Speed[mm/s]	0-1400	0-600	600-1200	0-400	400-800	0-250
噪声Noise[dB]		≤70	≤55	≤70	≤55	≤70	≤55	
储藏温度[°C] Storage temperature		-15℃—+60℃						

FPB45 直线模组-尺寸图
FPB45-DIMENSIONAL DRAWING



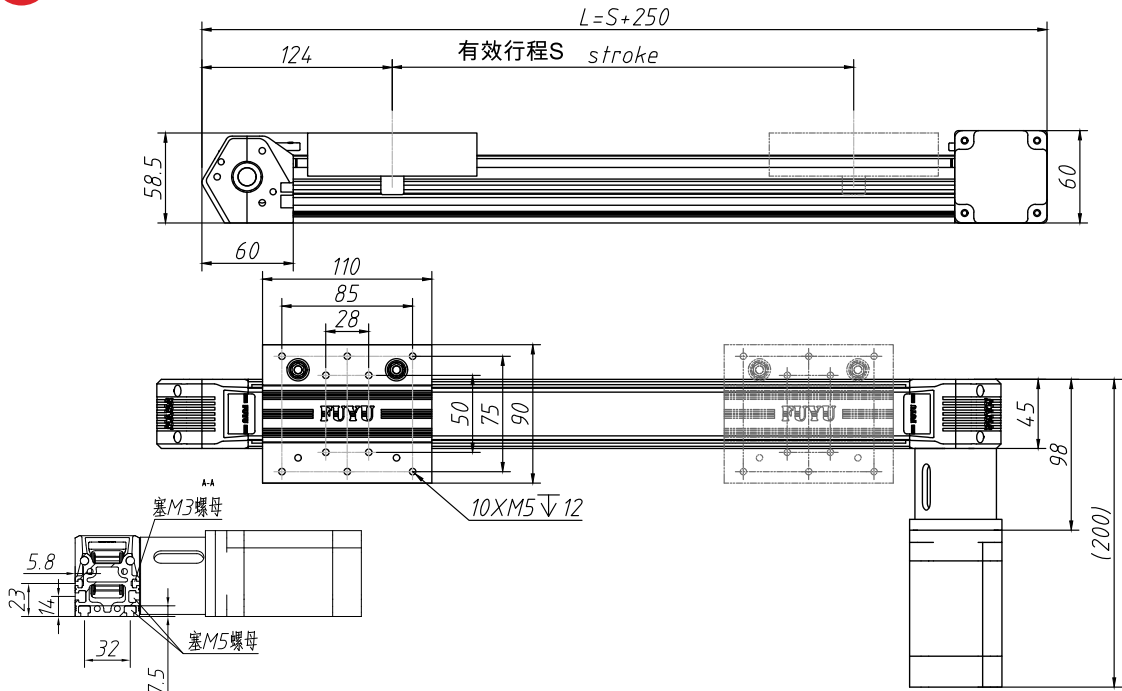
R

电机右折 MOTOR RIGHT SIDE

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail

M : 阵列数
M : Number of arrays

N : 安装孔个数
N : Number of mounting holes



行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
模组总长[mm] Linear Guide Total Length	350	450	550	650	750	850	950	1050	1150	1250	1350	1450	1550	1650	1750
重量[kg] Weight	4.1	4.35	4.61	4.87	5.12	5.38	5.63	5.89	6.15	6.4	6.53	6.66	7.17	7.43	7.68
行程[mm] Stroke	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
模组总长[mm] Linear Guide Total Length	1850	1950	2050	2150	2250	2350	2450	2550	2650	2750	2850	2950	3050	3150	3250
重量[kg] Weight	7.94	8.19	8.45	8.71	8.96	9.22	9.47	9.73	9.99	10.24	10.5	10.75	11.01	11.27	11.52
行程[mm] Stroke	3100	3200	3300	3400	3500										
模组总长[mm] Linear Guide Total Length	3350	3450	3550	3650	3750										
重量[kg] Weight	11.78	12.03	12.29	12.55	12.8										

备注：螺母安装数量 会以长度不同而变化，以实际为准。 The installation length of nut shall be subject to the actual situation

FPB50直线模组

FPB50 LINEAR GUIDE

更多参数请联系我们
More parameters please contact us

重复定位精度[mm]
Position Accuracy

±0.05

有效行程[mm]
Effective Stroke

100~3500

垂直最大负载[kg]
Max Vertical Loading

特殊需求请联系我们
Please contact us for special needs

水平最大负载[kg]
Max Horizontal Loadings

25

FPB50 直线模组-型号表示方式

FPB50-ORDERING METHOD

※为标配电机

FPB50		E300	80	L			B57		S
双导轨同步带模组 Dual Rail Belt Linear Guide		导程 Lead		电机位置 Motor position			厂牌 Brand name		
型号 Model	本体宽 (mm) Wide(mm)	同步带模组 Synchronous belt module		同步带滑台 Belt slide			伺服电机 Servo motor		
FPB50		95mm		L	电机左方	Motor Left	P松下	10:100W	
		有效行程 Effective trip		LU	电机左上方	Motor Upper Left	T台达	20:200W	
		型号 Model	标准行程 Stroke (mm)	LD	电机左下方	Motor Lower Left	Y安川	40:400W	
				R	电机右方	Motor Right	M三菱		
		FPB50	E100-3500	RU	电机右上方	Motor Upper Right	步进电机 Stepping motor		
				RD	电机右下方	Motor Lower Right	※ B57	57X76	
							B60	60X102	
							刹车 brake		
							无刹车不表示 Extra Enquiry If Need Brake		

FPB50直线模组-搭配一览表

FPB50-COLLOCATION LIST

触摸屏 Touch screen	控制器 Controller	限位开关 Limit switch	直流电源型号 DC power model	驱动器型号 Drive model
TPC7062HW	FSC-2A	SN04-N(NPN.NO)	PMT-24V350W	FMDD50D40NOM
	FMC4030		LRS-350-24	
			PMT-24V100W	

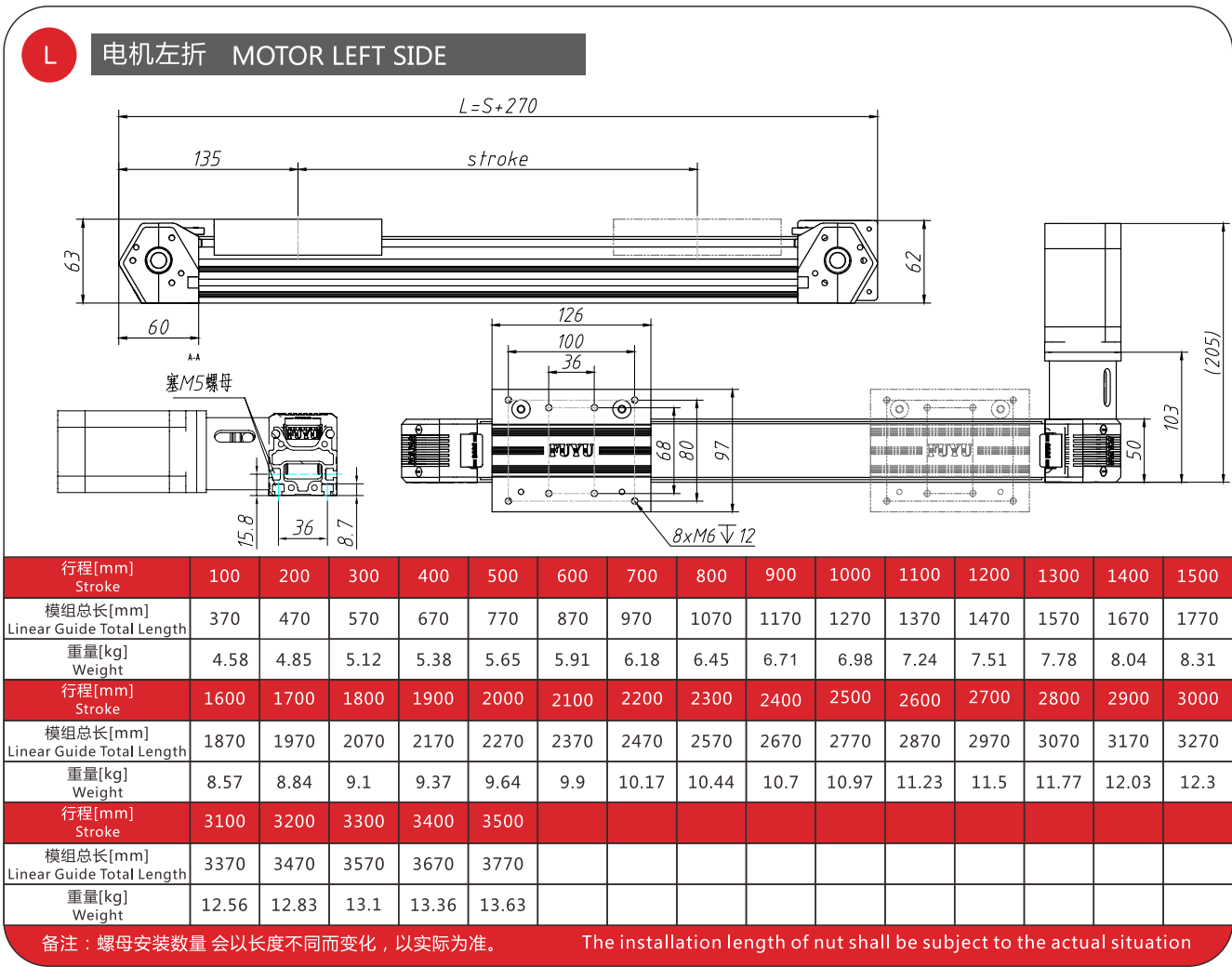
FPB50 直线模组-技术参数

FPB50-TECHNICAL PARAMETER

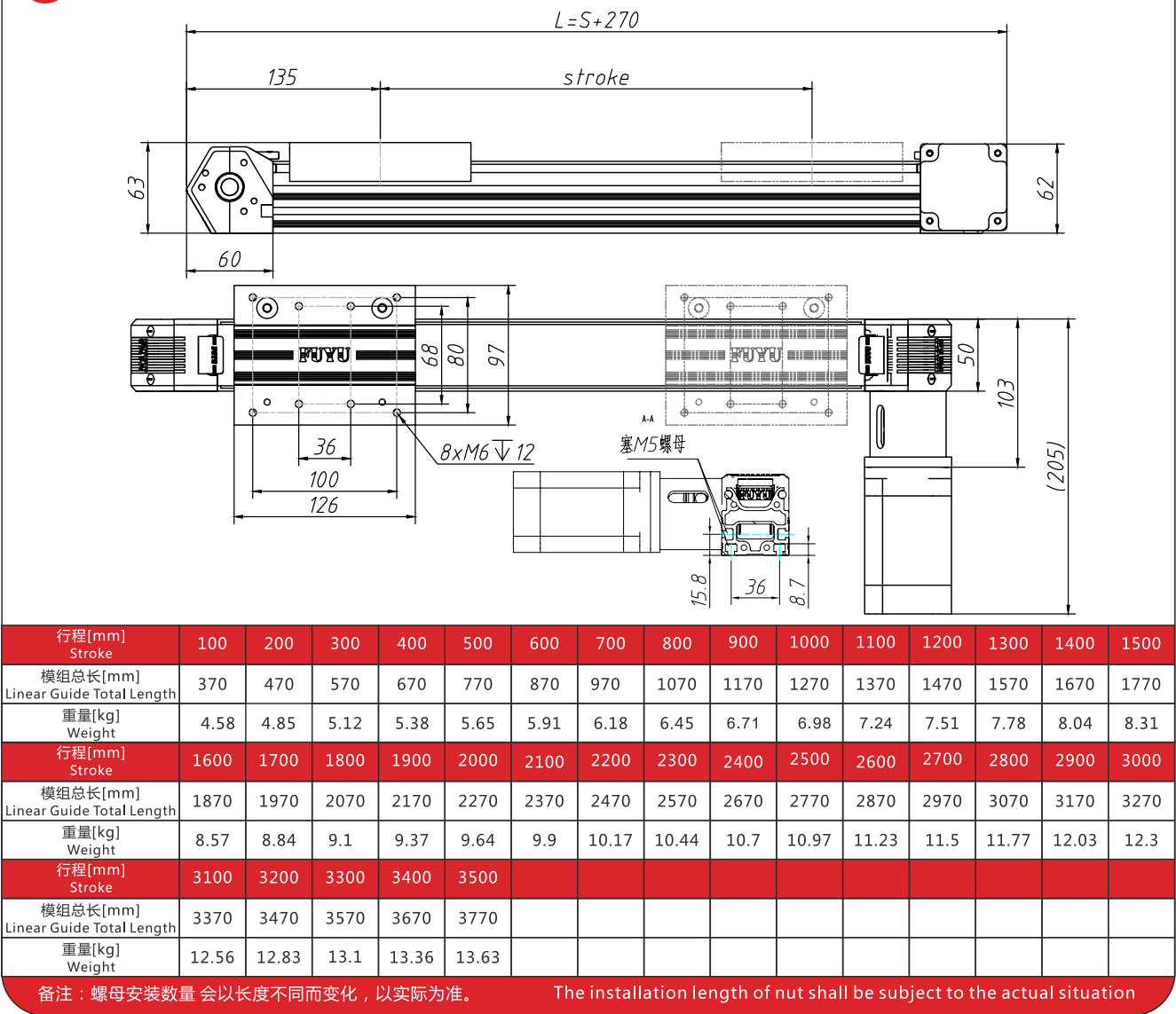
TECHNICAL PARAMETER	重复定位精度[mm] Position Accuracy		±0.05					
	导程[mm] Lead		95					
	400W伺服电机 Servo motor	负载Load[kg]	0	5			10	
		速度Speed[mm/s]	0-2000	0-1000	1000-2000	2000	0-1000	
		噪声Noise[dB]	≤65	≤65	≤60	≤70	≤55	
		负载Load[kg]	10	15/20			25	
		速度Speed[mm/s]	1000-1800	0-1000	1000-1400	0-500		
		噪声Noise[dB]	≤70	≤55	≤60	≤55		
	5776步进电机 Stepper motor	负载Load[kg]	0	5		10		15
		速度Speed[mm/s]	0-2000	0-600	600-1200	0-400	400-800	0-250
		噪声Noise[dB]	≤70	≤55	≤70	≤55	≤70	≤55
储藏温度[°C] Storage temperature		-15℃—+60℃						

FPB50 直线模组-尺寸图

FPB50-DIMENSIONAL DRAWING



R 电机右折 MOTOR RIGHT SIDE



FPB60直线模组 FPB45 LINEAR GUIDE



更多参数请联系我们
More parameters please contact us

此图非标配电机

重复定位精度[mm] Position Accuracy	有效行程[mm] Effective Stroke	垂直最大负载[kg] Max Vertical Loading	水平最大负载[kg] Max Horizontal Loadings
±0.05	100~3500	特殊需求请联系我们 Please contact us for special needs	35

FPB60 直线模组-型号表示方式
FPB60-ORDERING METHOD

※为标配电机

FPB60		E300	140	L			B57	S
双导轨同步带模组 Dual Rail Belt Linear Guide		导程 Lead		电机位置 Motor position			厂牌 Brand name	
型号 Model	本体宽 (mm) Wide(mm)	同步带模组 Synchronous belt module		同步带滑台 Belt slide			伺服电机 Servo motor	
FPB60	60	95mm		L	电机左方	Motor Left	P松下	10:100W
		有效行程 Effective trip		LU	电机左上方	Motor Upper Left	T台达	20:200W
		型号 Model	标准行程 Stroke (mm)	LD	电机左下方	Motor Lower Left	Y安川	40:400W
		FPB60	E100-3500	R	电机右方	Motor Right	M三菱	
				RU	电机右上方	Motor Upper Right	步进电机 Stepping motor	
				RD	电机右下方	Motor Lower Right	B57	57X76
							※ B60	60X102
							刹车 brake	
							无刹车不表示 Extra Enquiry If Need Brake	

FPB60直线模组-搭配一览表
FPB60-COLLOCATION LIST

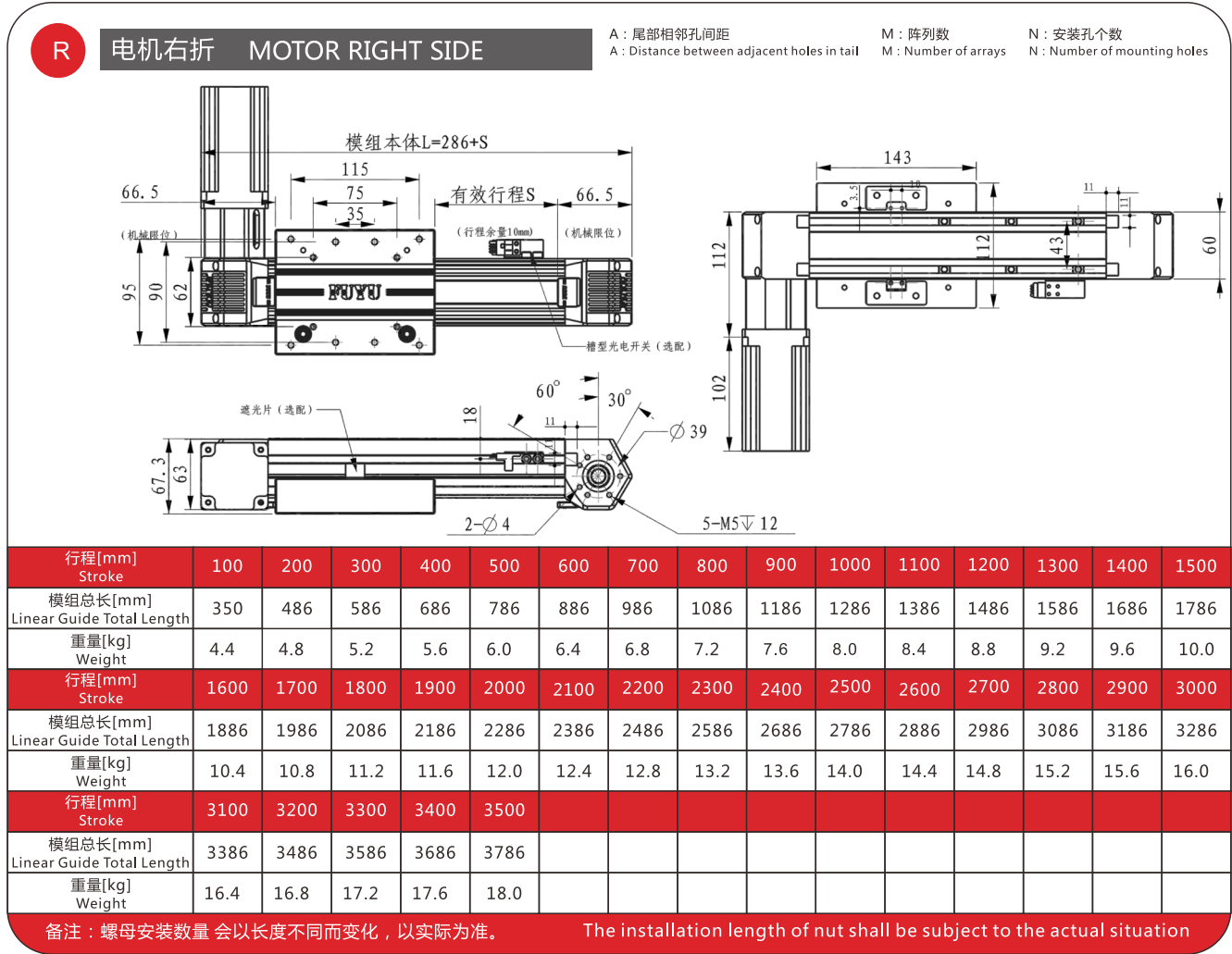
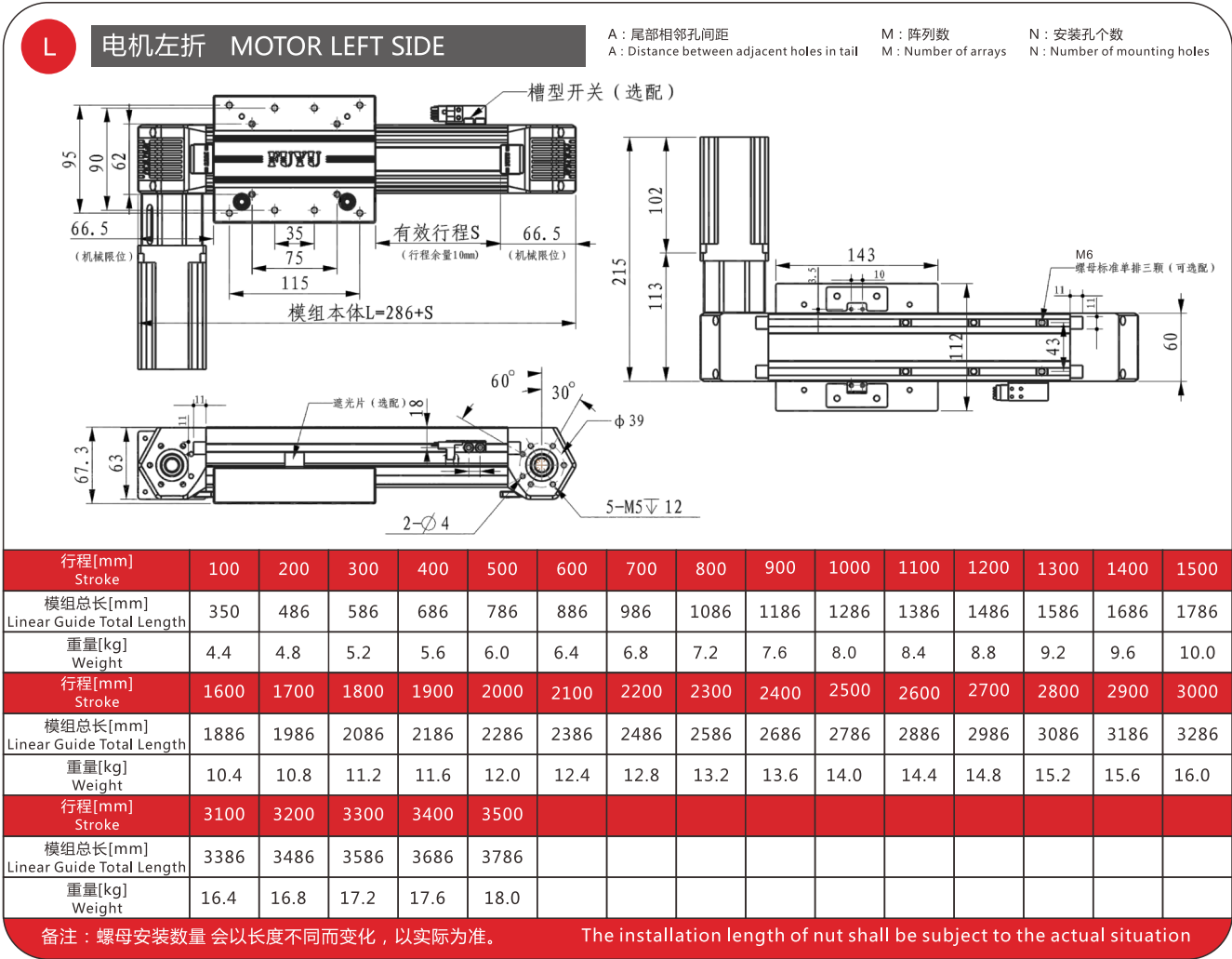
触摸屏 Touch screen	控制器 Controller	限位开关 Limit switch	直流电源型号 DC power model	驱动器型号 Drive model
TPC7062HW	FSC-2A	SN04-N(NPN.NO)	PMT-24V350W	FMDD50D40NOM
	FMC4030		LRS-350-24	
			PMT-24V100W	

FPB60 直线模组-技术参数
FPB60-TECHNICAL PARAMETER

TECHNICAL PARAMETER

重复定位精度[mm] Position Accuracy		±0.05					
导程[mm] Lead		95					
400W伺服电机 Servo motor	水平负载Load[kg]	5	10	15	20	25	35
	速度Speed[mm/s]	≤2000			≤1000		
	噪声Noise[dB]	≤70.4			≤65		
	侧装负载Load[kg]	5	10	15	20	25	30
	速度Speed[mm/s]	≤2000			≤1000		
	噪声Noise[dB]	≤70.4			≤65		
60102步进电机 Stepper motor	水平负载Load[kg]	5	10	15	20	25	
	速度Speed[mm/s]	≤1400		≤1200		≤1000	
	噪声Noise[dB]	≤60	≤80				
	侧装负载Load[kg]	5	10	15	20	25	
	速度Speed[mm/s]	≤2000		≤1000			
	噪声Noise[dB]	≤70.4		≤65			
储藏温度[°C] Storage temperature		-15℃—+60℃					

FPB60 直线模组-尺寸图
FPB60-DIMENSIONAL DRAWING



FTH系列模组 FTH LINEAR GUIDE



高精度 高刚性 HIGH PRECISION HIGH RIGIDITY

FTH模组可轻易达到高精度使用需求，运转稳定，重复定位精度可达到 $\pm 0.01\text{mm}$ ，完美应对所有自动化市场需求，使用范围及用途广泛，是目前国际市场主要运用的产品之一。

FTH module can easily meet the requirements of high-precision use, stable operation, and repeated positioning accuracy of $\pm 0.01\text{mm}$. It perfectly responds to the needs of all automation markets. It is widely used in the industry and popularized in the global market.

技术特点 TECHNICAL FEATURES

1.可选配件 OPTIONAL ACCESSORIES

电源、驱动、限位开关、控制器、连接板、拖链

Power supply, drive, limit switch, controller, connection board, drag chain

2.应用范围 APPLICATION AREA

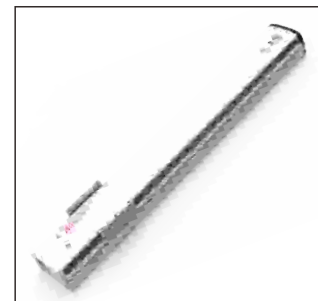
应用范围：主要用于工作定位、夹取、搬运等自动化设备。包括电子部件组装、液体注入填充装置、点熔焊装置、电路板与晶圆盒定位插入装置、物件整列靠齐。

Application range: laser cutting machine, PV back sheet cutting engraving machine, transportation mechanical arm, assistant device, Electric research test function demonstration, kinds of industrail automatic production line, kinds of precision machinery processing

3.产业 INDUSTRY

TFT-LCD液晶面板设备，半导体设备，LED线上设备，太阳能设备。

Semiconductor device, LED online device, solar equipment, FPD equipment



FTH10 直线模组
FTH10 LINEAR MODULE
»» P61



FTH12 直线模组
FTH12 LINEAR MODULE
»» P65



FTH14 直线模组
FTH14 LINEAR MODULE
»» P69

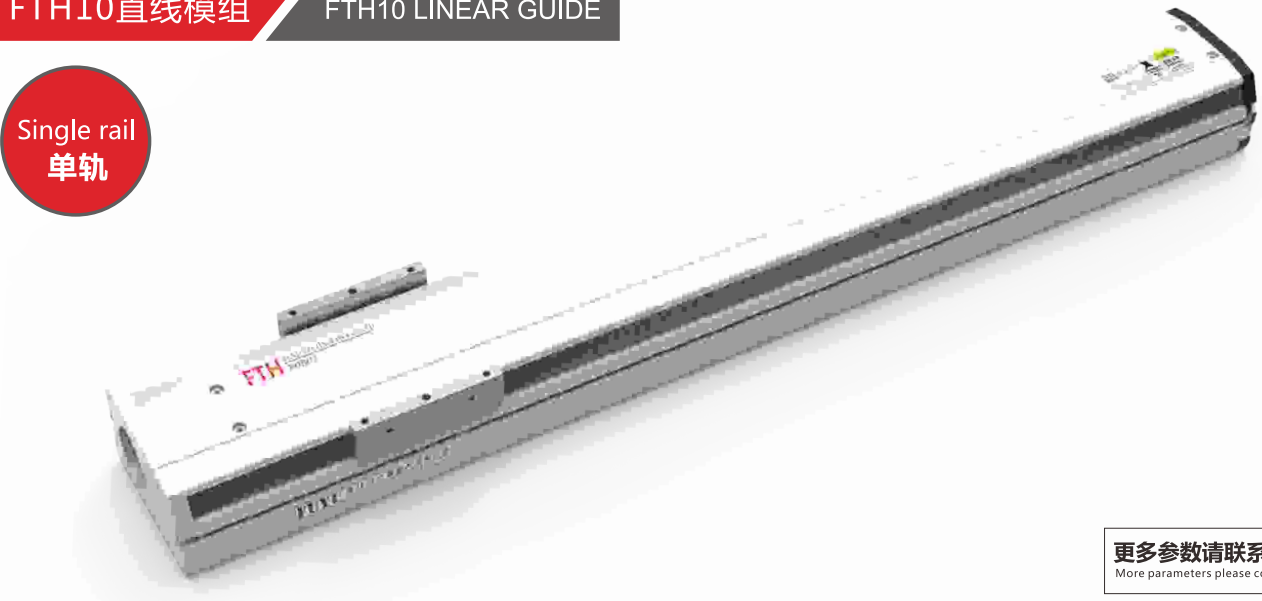


FTH17 直线模组
FTH17 LINEAR MODULE
»» P73

FTH10直线模组

FTH10 LINEAR GUIDE

Single rail
单轨



更多参数请联系我们
More parameters please contact us

重复定位精度[mm]
Position Accuracy
±0.02

有效行程[mm]
Effective Stroke
50~1050

垂直最大负载[kg]
Max Vertical Loading
15

水平最大负载[kg]
Max Horizontal Loadings
50

FTH10 直线模组-型号表示方式
FTH10-ORDERING METHOD

FTH10		C7	L	05	100	BC	T40	S
FTH盖板式丝杆模组 FTH cover plate ball screw linear guide		传动材料类别 Transmission material category		电机联结形式 Motor position			伺服电机 Servo motor	
型号 Model	本体宽 (mm) Wide(mm)	L	标配丝杆 standard ball screw	丝杆滑台 Screw Slider			P松下	40:400W
FTH10	102			M	电机内置 Motor hidden in		T台达	
导程 Lead		丝杆精度 Screw rod accuracy		BC	电机直连 Motor Exposed		Y安川	
丝杆模组 Screw module		丝杆滑台 Screw Slider		BL	电机左折 Motor Left Side		M三菱	
05	05mm	C7		BR	电机右折 Motor Right Side	步进电机 Stepping motor		
10	10mm			BD	电机下折 Motor Down Side	B60	60X102	
20	20mm	有效行程 Effective Stroke						
		FTH10	50~1050					
刹车 brake								
无刹车不表示 Extra Enquiry If Need Brake								

FTH10 直线模组-搭配一览表
FTH10-COLLOCATION LIST

触摸屏 Touch screen	控制器 Controller	限位开关 Limit switch
TPC7062HW	FSC-2A	SPX303Z(NPN-NO)
	FMC4030	

FTH10 直线模组-技术参数

FTH10-TECHNICAL PARAMETER

TECHNICAL PARAMETER	重复定位精度[mm] Position Accuracy	±0.02		
	导轨规格 Guide Type	单轨W20xH15.5		
	丝杆规格 Ball Screw Type	16		
	导程 (mm) Lead	5	10	20
	最大速度[mm/s] Max Speed	250	500	1000
	水平额定负载[kg] Horizontal Rated Load	50	30	20
	垂直额定负载[kg] Vertical Rated Load	15	10	5
	额定负载噪声[dB] Rated Load Noise	70-80		
	加速度[mm/s] Accelerated Speed	500		
	储藏温度[°C] Storage temperature	-15℃—+60℃		

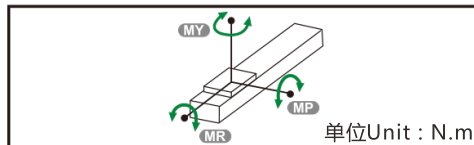
FTH10 直线模组-容许负载扭矩

FTH10-ALLOWABLE LOAD TORQUE

 单位Unit : mm					 单位Unit : mm					 单位Unit : mm				
水平安装 Horizontal installation		A	B	C	侧挂安装 Wall installation		A	B	C	垂直安装 Vertical installation		A	C	
导程 5 Stroke	30kg	550	45	45	导程 5 Stroke	25kg	52	55	670	导程 5 Stroke	5kg	310	310	
	40kg	400	30	30		35kg	35	35	455		8kg	200	200	
	50kg	300	25	24		50kg	21	25	770		15kg	110	110	
导程 10 Stroke	15kg	530	85	80	导程 10 Stroke	10kg	125	135	770	导程 10 Stroke	4kg	350	350	
	25kg	300	50	45		20kg	58	61	385		10kg	140	140	
	30kg	250	40	35		30kg	160	185	565					
导程 20 Stroke	5kg	530	85	80	导程 20 Stroke	6kg	160	185	565	导程 20 Stroke	2kg	550	550	
	10kg	300	50	45		12kg	76	88	275		5kg	220	220	
	20kg	160	35	30		20kg	45	50	160					

FTH10 直线模组-静态容许负载

FTH10-STATIC LOADING MOMENT



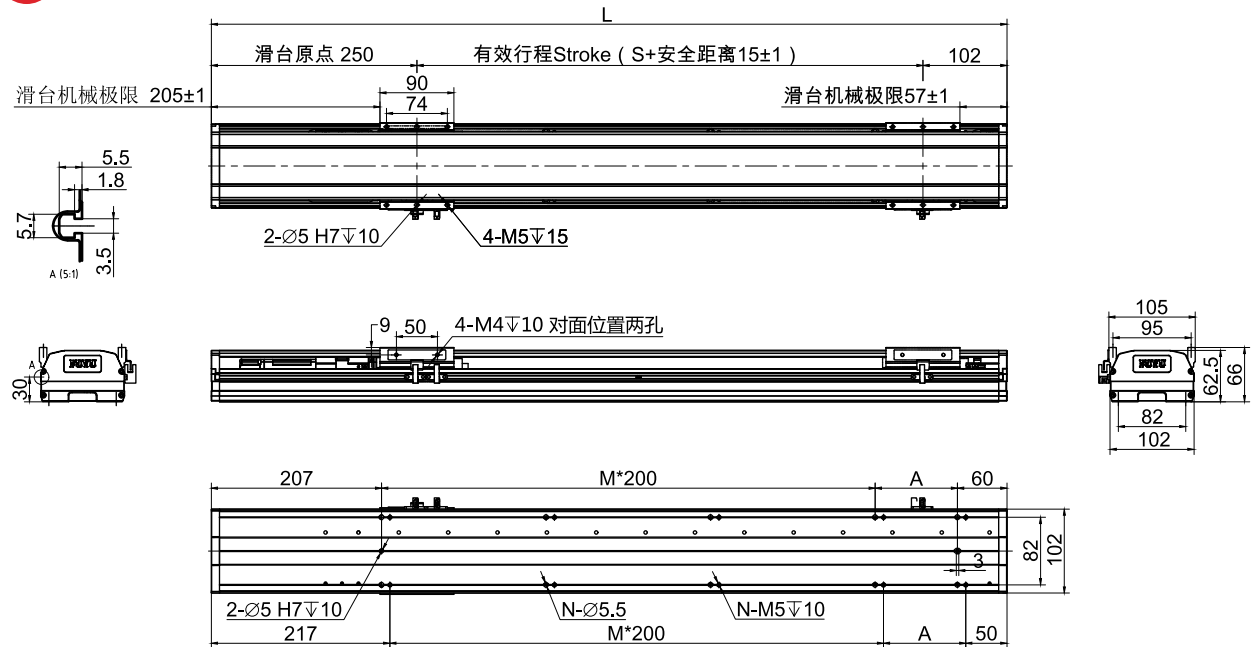
MY	110
MP	110
MR	120

力矩所表示的数据代表重心
The data represented by the moment represent the center of gravity

M

电机内置 MOTOR HIDDEN IN

A : 尾部相邻孔间距 A : Distance between adjacent holes in tail M : 阵列数 M : Number of arrays N : 安装孔个数 N : Number of mounting holes



行程[mm] Stroke	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050
模组总长[mm] Linear Guide Total Length	467	517	567	617	667	717	767	817	867	967	1067	1167	1267	1367	1417
重量[kg] Weight	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0	11.0	12.0	13.0	14.0	14.5

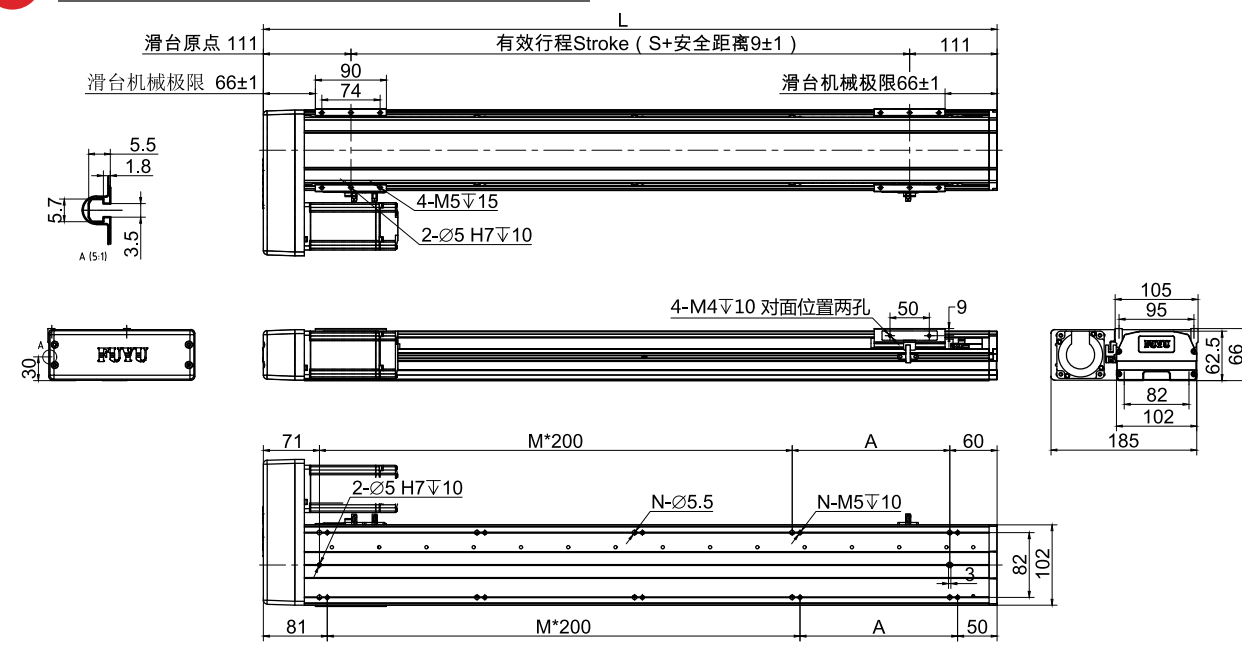
注:图中参考电机为台达400W,仅供参考

Note: the motor marked in the figure is delta 400W, for reference only

BLR

电机左/右折 MOTOR LEFT AND RIGHT SIDE

A : 尾部相邻孔间距 A : Distance between adjacent holes in tail M : 阵列数 M : Number of arrays N : 安装孔个数 N : Number of mounting holes



行程[mm] Stroke	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050
模组总长[mm] Linear Guide Total Length	331	381	431	481	531	581	631	681	731	831	931	1031	1131	1231	1281
重量[kg] Weight	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0	11.0	12.0	13.0	14.0	14.5

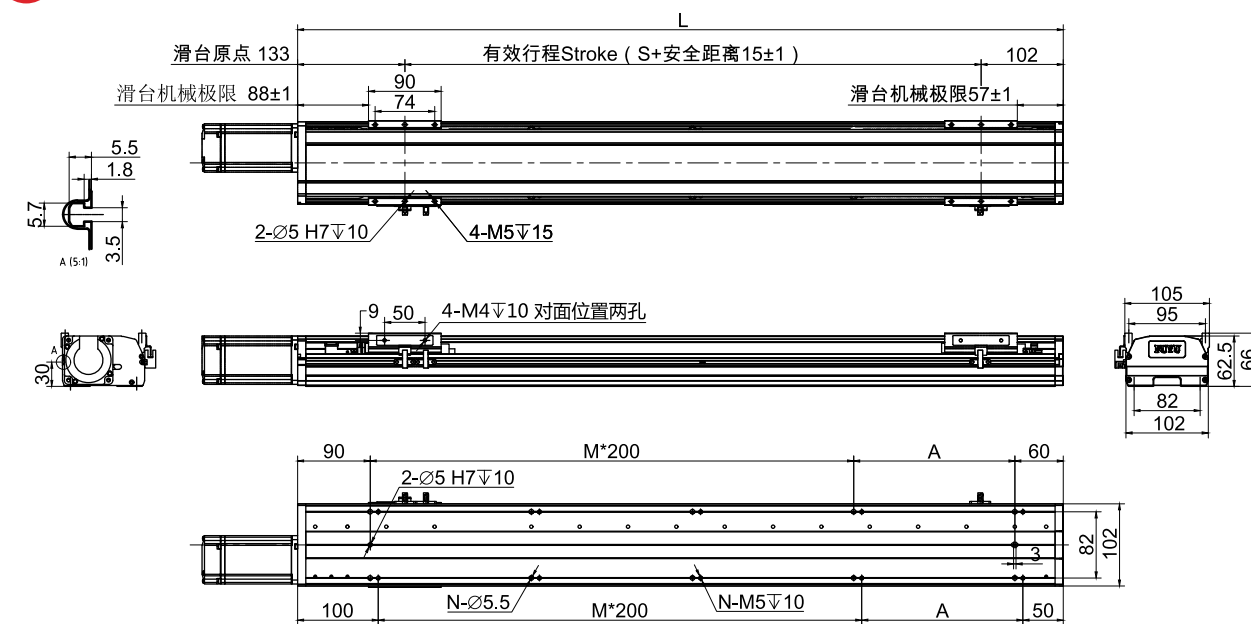
注:图中参考电机为台达400W,仅供参考

Note: the motor marked in the figure is delta 400W, for reference only

BC

电机直连 MOTOR EXPOSED

A : 尾部相邻孔间距 A : Distance between adjacent holes in tail M : 阵列数 M : Number of arrays N : 安装孔个数 N : Number of mounting holes



行程[mm] Stroke	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050
模组总长[mm] Linear Guide Total Length	350	400	450	500	550	600	650	700	750	850	950	1050	1150	1250	1300
重量[kg] Weight	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0	11.0	12.0	13.0	14.0	14.5

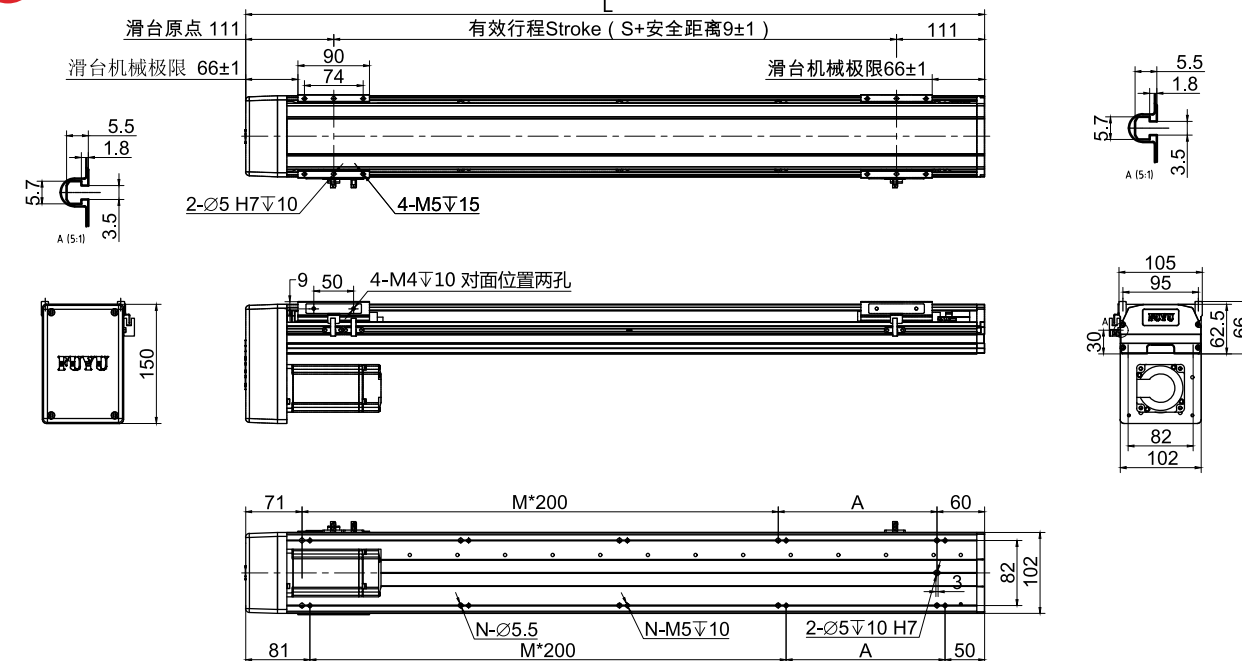
注:图中参考电机为台达400W,仅供参考

Note: the motor marked in the figure is delta 400W, for reference only

BD

电机下折 MOTOR DOWN SIDE

A : 尾部相邻孔间距 A : Distance between adjacent holes in tail M : 阵列数 M : Number of arrays N : 安装孔个数 N : Number of mounting holes



行程[mm] Stroke	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050
模组总长[mm] Linear Guide Total Length	331	381	431	481	531	581	631	681	731	831	931	1031	1131	1231	1281
重量[kg] Weight	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0	11.0	12.0	13.0	14.0	14.5

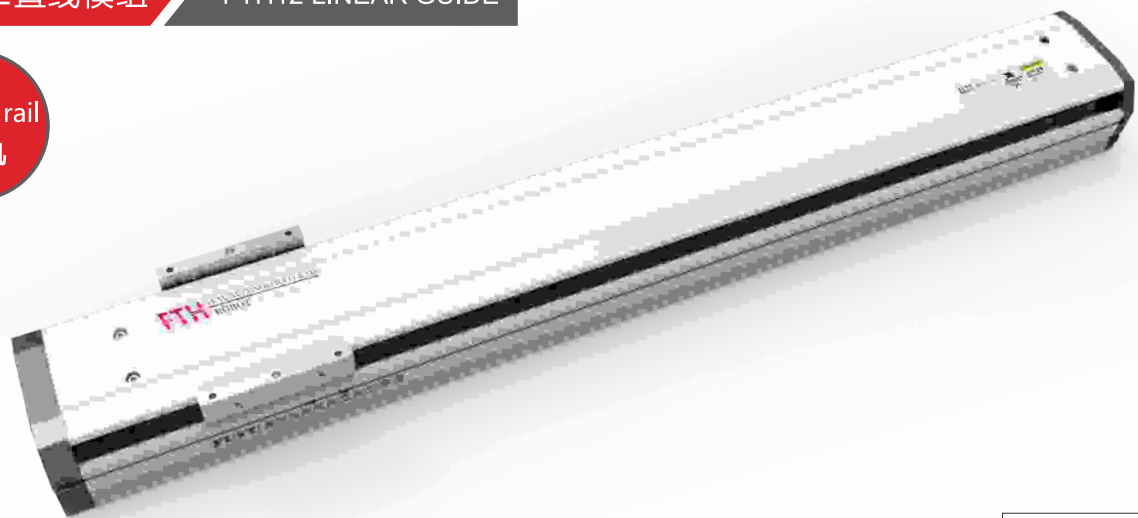
注:图中参考电机为台达400W,仅供参考

Note: the motor marked in the figure is delta 400W, for reference only

FTH12直线模组

FTH12 LINEAR GUIDE

Double rail
双轨



更多参数请联系我们
More parameters please contact us

重复定位精度[mm]
Position Accuracy
±0.02

有效行程[mm]
Effective Stroke
50~1050

垂直最大负载[kg]
Max Vertical Loading
15

水平最大负载[kg]
Max Horizontal Loadings
50

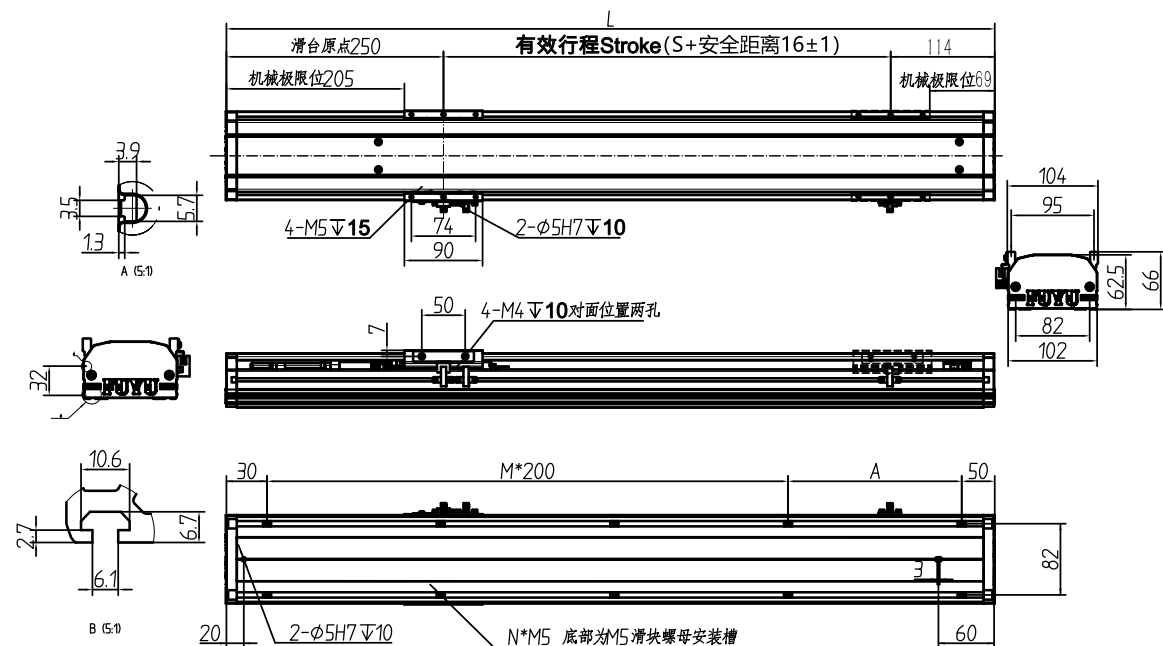
FTH12 直线模组-型号表示方式
FTH12-ORDERING METHOD

FTH12		C7	L	05	100	BC	T40	S
FTH盖板式丝杆模组 FTH cover plate ball screw linear guide		传动材料类别 Transmission material category		电机连结形式 Motor position			伺服电机 Servo motor	
型号 Model	本体宽 (mm) Wide(mm)	L	标配丝杆 standard ball screw	丝杆滑台 Screw Slider			P松下	40:400W
FTH12	102			M	电机内置 Motor hidden in	T台达		
导程 Lead		丝杆精度 Screw rod accuracy		BC	电机直连 Motor Exposed	Y安川		
丝杆模组 Screw module		丝杆滑台 Screw Slider		BL	电机左折 Motor Left Side	M三菱		
05	05mm	C7		BR	电机右折 Motor Right Side	步进电机 Stepping motor		
10	10mm	有效行程 Effective Stroke		BD	电机下折 Motor Down Side	B60	60X102	
20	20mm	FTH12	50~1050			刹车 brake		
							无刹车不表示 Extra Enquiry If Need Brake	

M

电机内置 MOTOR HIDDEN IN

A : 尾部相邻孔间距 M : 阵列数 N : 安装孔个数
A : Distance between adjacent holes in tail M : Number of arrays N : Number of mounting holes



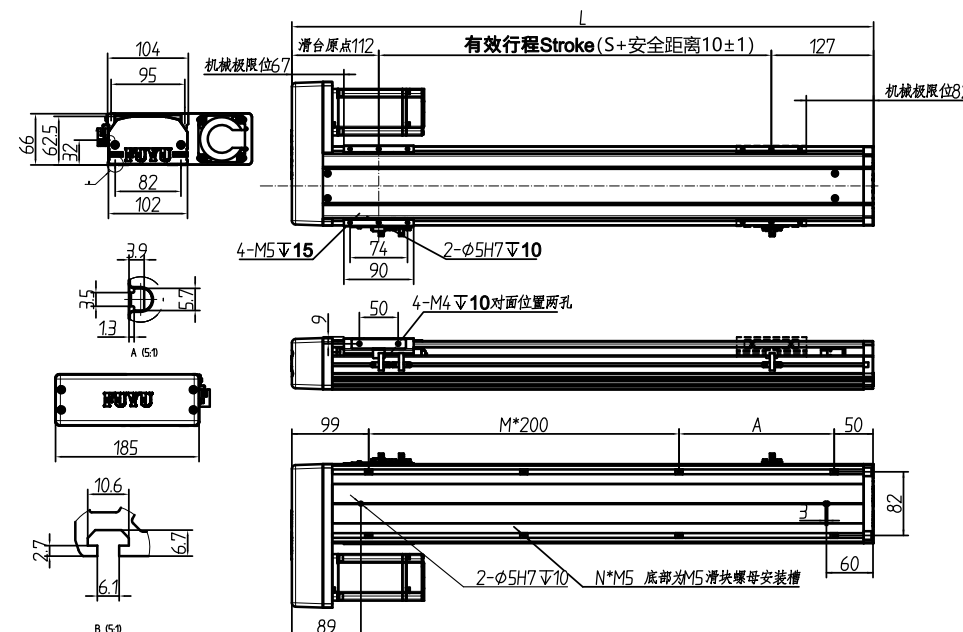
行程[mm] Stroke	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050
模组总长[mm] Linear Guide Total Length	480	530	580	630	680	730	780	830	880	980	1080	1130	1280	1380	1430
重量[kg] Weight	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.2	10.2	11.2	12.2	13.2	14.2	14.7

注:图中参考电机为台达400W,仅供参考

Note: the motor marked in the figure is delta 400W, for reference only

电机左/右折 MOTOR LEFT AND RIGHT SIDE

A: 尾部相邻孔间距 M: 阵列数 N: 安装孔个数
A: Distance between adjacent holes in tail M: Number of arrays N: Number of mounting holes



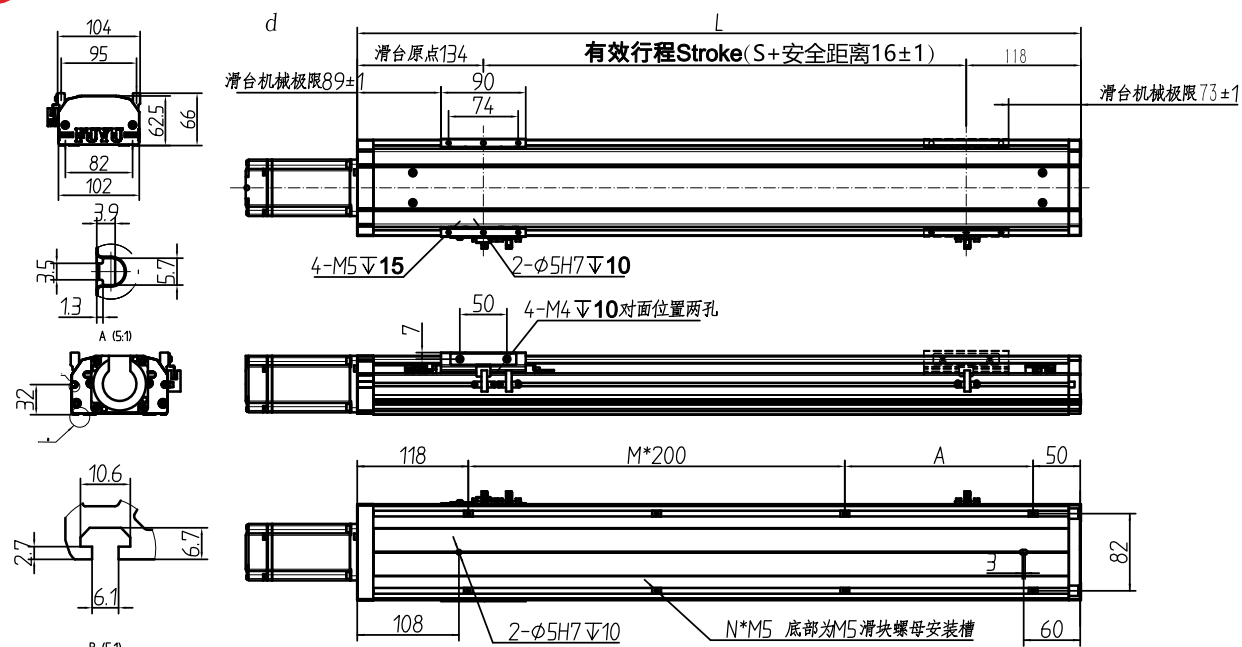
行程[mm] Stroke	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050
模组总长[mm] Linear Guide Total Length	349	399	449	499	549	599	649	699	749	849	949	1049	1149	1249	1299
重量[kg] Weight	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0	11.0	12.0	13.0	14.0	14.5

注:图中参考电机为台达400W,仅供参考

Note: the motor marked in the figure is delta 400W, for reference only

电机直连 MOTOR EXPOSED

A: 尾部相邻孔间距 M: 阵列数 N: 安装孔个数
A: Distance between adjacent holes in tail M: Number of arrays N: Number of mounting holes



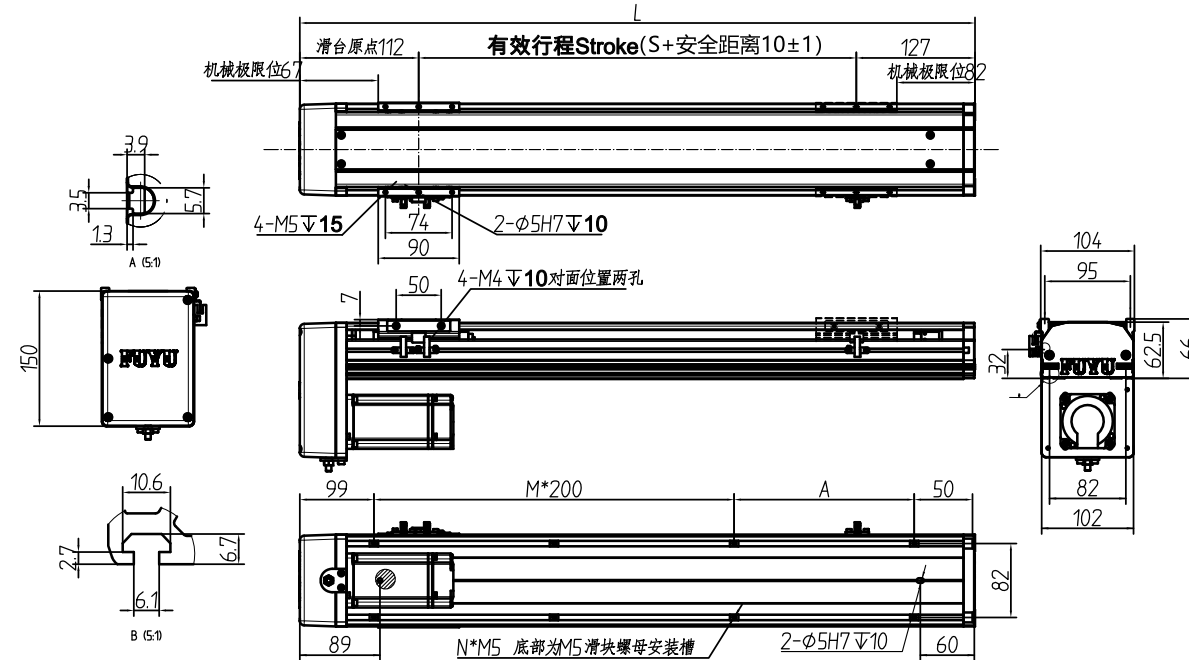
行程[mm] Stroke	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050
模组总长[mm] Linear Guide Total Length	368	418	468	518	568	618	668	718	768	868	968	1068	1168	1268	1318
重量[kg] Weight	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0	11.0	12.0	13.0	14.0	14.5

注:图中参考电机为台达400W,仅供参考

Note: the motor marked in the figure is delta 400W, for reference only

电机下折 MOTOR DOWN SIDE

A: 尾部相邻孔间距 M: 阵列数 N: 安装孔个数
A: Distance between adjacent holes in tail M: Number of arrays N: Number of mounting holes



行程[mm] Stroke	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050
模组总长[mm] Linear Guide Total Length	331	381	431	481	531	581	631	681	731	831	931	1031	1131	1231	1281
重量[kg] Weight	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0	11.0	12.0	13.0	14.0	14.5

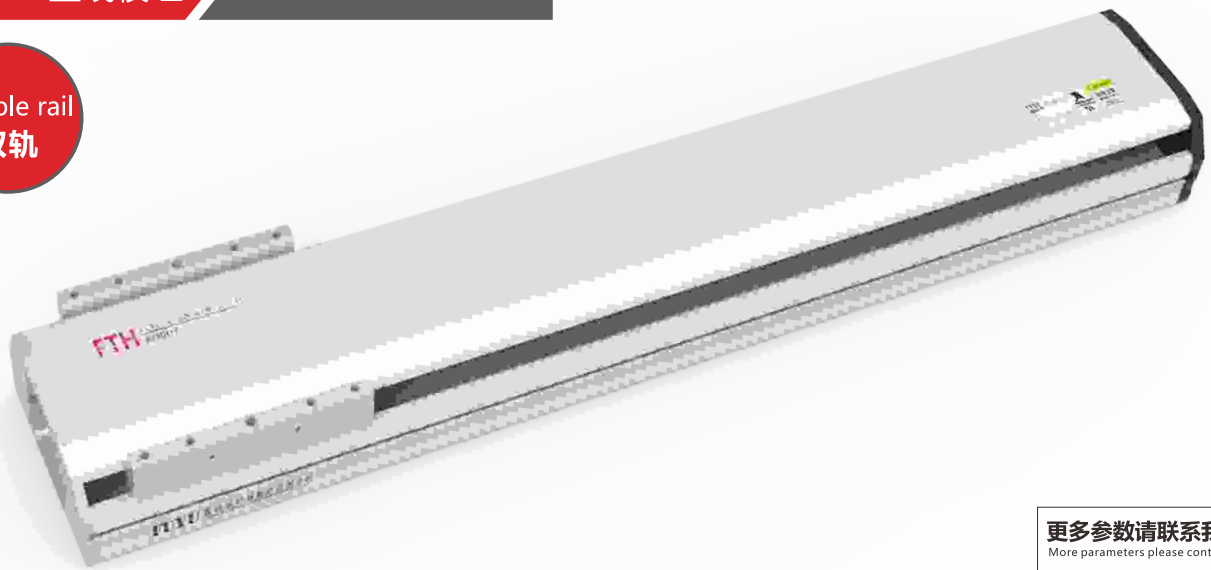
注:图中参考电机为台达400W,仅供参考

Note: the motor marked in the figure is delta 400W, for reference only

FTH14直线模组

FTH14 LINEAR GUIDE

Double rail
双轨



更多参数请联系我们
More parameters please contact us

重复定位精度[mm]
Position Accuracy
±0.02

有效行程[mm]
Effective Stroke
50~1250

垂直最大负载[kg]
Max Vertical Loading
30

水平最大负载[kg]
Max Horizontal Loadings
110

FTH14 直线模组-型号表示方式
FTH14-ORDERING METHOD

FTH14		C7		L	10	100	BC	T40	S
FTH盖板式丝杆模组 FTH cover plate ball screw linear guide		传动材料类别 Transmission material category			电机连接形式 Motor position		伺服电机 Servo motor		
型号 Model	本体宽 (mm) Wide(mm)	L	标配丝杆 standard ball screw		丝杆滑台 Screw Slider		P松下	40:400W	
FTH14	135				M	电机内置 Motor hidden in	T台达	75:750W	
导程 Lead		丝杆精度 Screw rod accuracy			BC	电机直连 Motor Exposed	Y安川		
		丝杆滑台 Screw Slider			BL	电机左折 Motor Left Side	M三菱		
丝杆模组 Screw module		C7			BR	电机右折 Motor Right Side	步进电机 Stepping motor		
05	05mm				BD	电机下折 Motor Down Side	B60	60X102	
10	10mm						B86	86X128	
20	20mm								
		有效行程 Effective Stroke							
		FTH14	50~1250						
					刹车 brake				
					无刹车不表示 Extra Enquiry If Need Brake				

FTH14 直线模组-搭配一览表
FTH14-COLLOCATION LIST

触摸屏 Touch screen	控制器 Controller	限位开关 Limit switch
TPC7062HW	FSC-2A	SPX303Z(NPN-NO)
	FMC4030	

FTH14 直线模组-技术参数
FTH14-TECHNICAL PARAMETER

TECHNICAL PARAMETER	重复定位精度[mm] Position Accuracy	±0.02		
	导轨规格 Guide Type	双轨W15xH12.5		
	丝杆规格 Ball Screw Type	16/20		
	导程 (mm) Lead	5	10	20
	最大速度[mm/s] Max Speed	250	500	1000
	水平额定负载[kg] Horizontal Rated Load	110	90	40
	垂直额定负载[kg] Vertical Rated Load	30	25	10
	额定负载噪声[dB] Rated Load Noise	70-80		
	加速度[mm/s] Accelerated Speed	500		
	储藏温度[°C] Storage temperature	-15°C—+60°C		

FTH14 直线模组-容许负载扭矩
FTH14-ALLOWABLE LOAD TORQUE

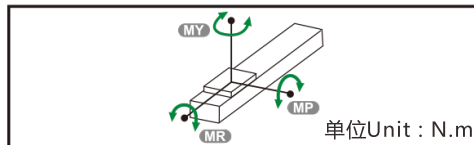
单位Unit : mm

单位Unit : mm

单位Unit : mm

水平安装 Horizontal installation		A	B	C	侧挂安装 Wall installation		A	B	C	垂直安装 Vertical installation		A	C
导程 5 Stroke	60kg	2512	242	232	导程 5 Stroke	55kg	257	269	2883	导程 5 Stroke	15kg	1118	1118
	80kg	1811	172	164		75kg	178	186	2000		22kg	770	770
	110kg	1300	118	115		110kg	114	118	1275		30kg	563	563
导程 10 Stroke	30kg	2727	470	430	导程 10 Stroke	35kg	363	395	2368	导程 10 Stroke	10kg	1500	1500
	50kg	1577	266	242		55kg	218	238	1445		14kg	1072	1072
	90kg	830	136	125		90kg	124	136	833		25kg	599	599
导程 20 Stroke	10kg	2304	1222	1028	导程 20 Stroke	12kg	854	1019	2552	导程 20 Stroke	4kg	2980	2980
	22kg	1443	540	451		20kg	500	596	1588		10kg	1190	1190
	40kg	880	283	238		40kg	235	281	874				

FTH14 直线模组-静态容许负载
FTH14-STATIC LOADING MOMENT



MY	551
MP	552
MR	485

力矩所表示的数据代表重心
The data represented by the moment represent the center of gravity

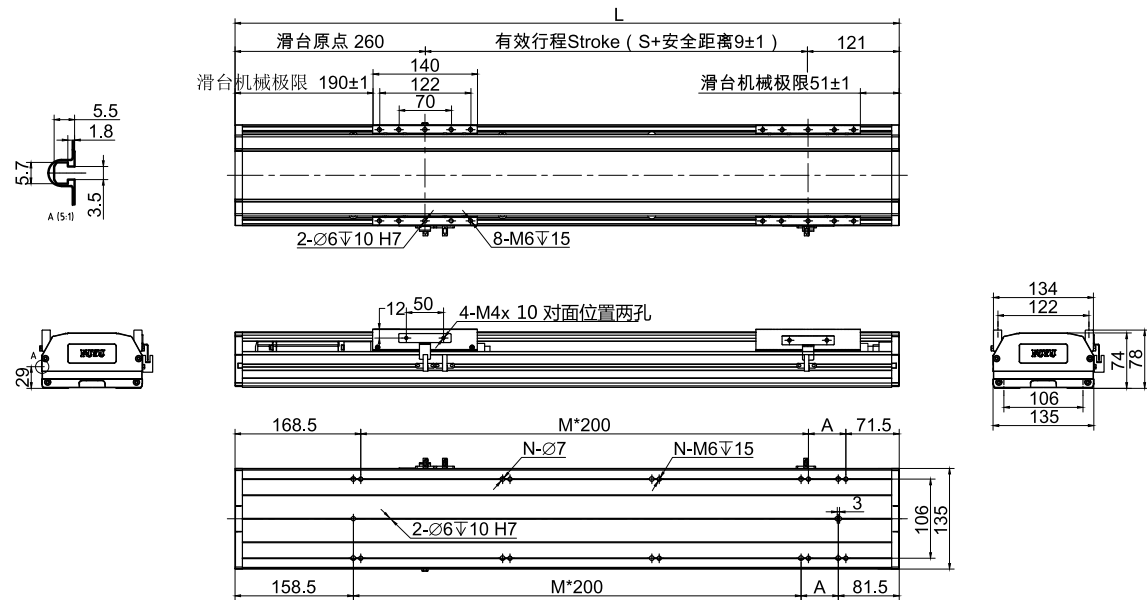
M

电机内置 MOTOR HIDDEN IN

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail

M : 阵列数
M : Number of arrays

N : 安装孔个数
N : Number of mounting holes



行程[mm] Stroke	100	150	200	250	300	400	500	600	700	800	900	1000	1100	1200	1250
模组总长[mm] Linear Guide Total Length	490	540	590	640	690	790	890	990	1090	1190	1290	1390	1490	1590	1640
重量[kg] Weight	6.8	7.3	7.8	8.3	8.8	9.8	10.8	11.8	12.8	13.8	14.8	15.8	16.8	17.8	18.3

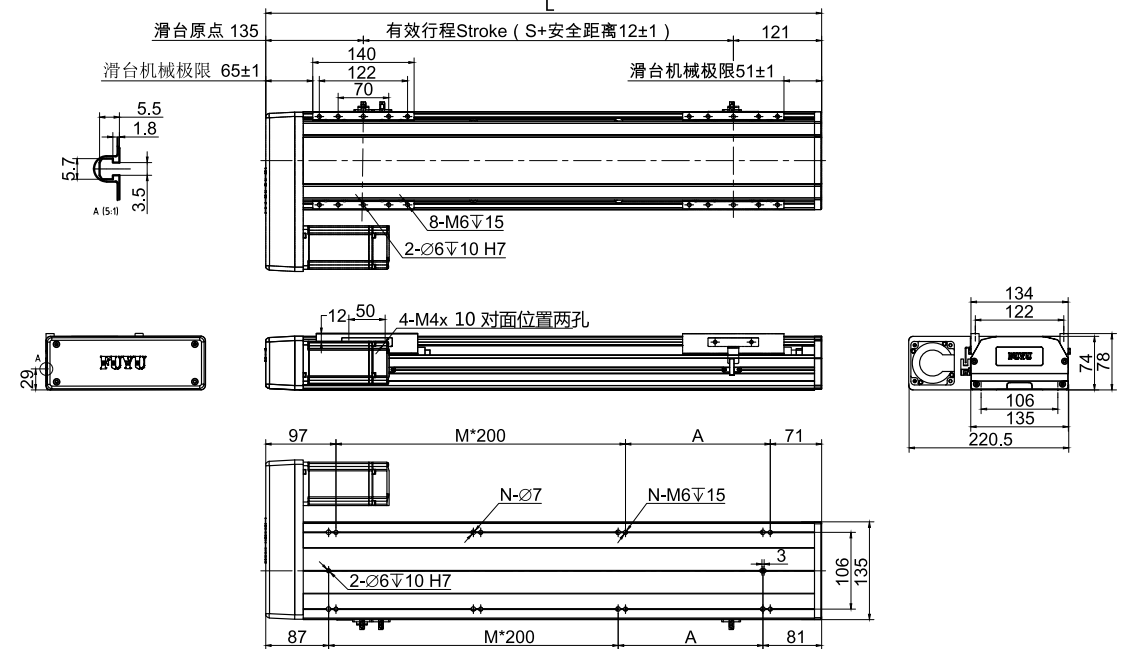
注:图中参考电机为台达400W,仅供参考

Note: the motor marked in the figure is delta 400W, for reference only

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail

M : 阵列数
M : Number of arrays

N : 安装孔个数
N : Number of mounting holes



行程[mm] Stroke	100	150	200	250	300	400	500	600	700	800	900	1000	1100	1200	1250
模组总长[mm] Linear Guide Total Length	368	418	468	518	568	668	718	868	968	1068	1168	1268	1368	1468	1518
重量[kg] Weight	6.0	6.5	7.0	7.5	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	17.5

注:图中参考电机为台达400W,仅供参考

Note: the motor marked in the figure is delta 400W, for reference only

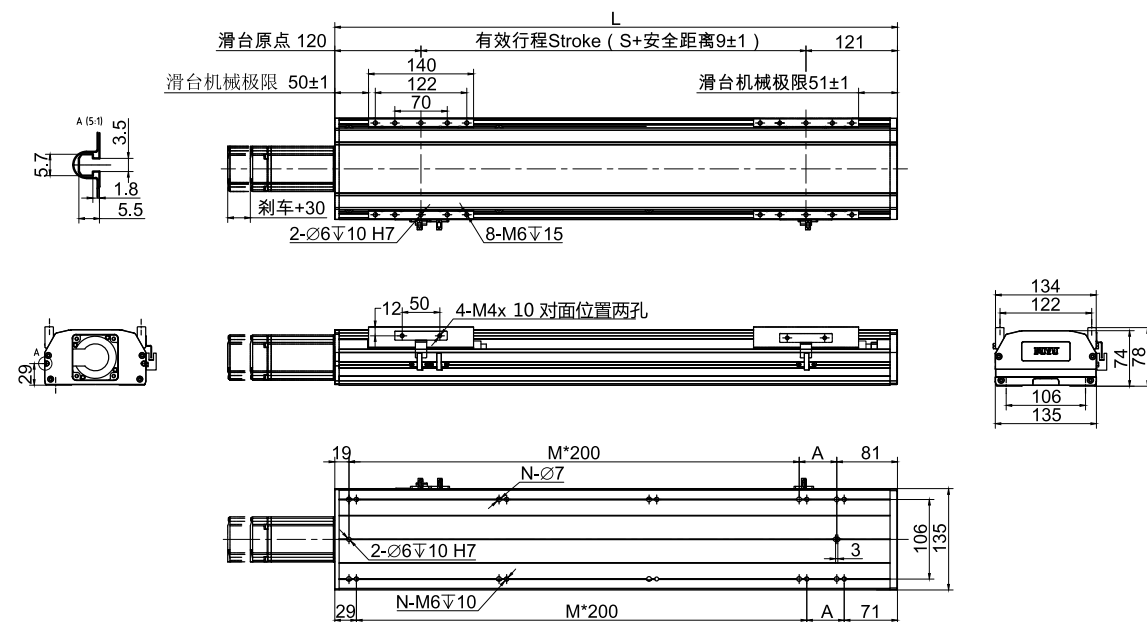
BC

电机直连 MOTOR EXPOSED

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail

M : 阵列数
M : Number of arrays

N : 安装孔个数
N : Number of mounting holes



行程[mm] Stroke	100	150	200	250	300	400	500	600	700	800	900	1000	1100	1200	1250
模组总长[mm] Linear Guide Total Length	350	400	450	500	550	650	750	850	950	1050	1150	1250	1350	1450	1500
重量[kg] Weight	6.0	6.5	7.0	7.5	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	17.5

注:图中参考电机为台达400W,仅供参考

Note: the motor marked in the figure is delta 400W, for reference only

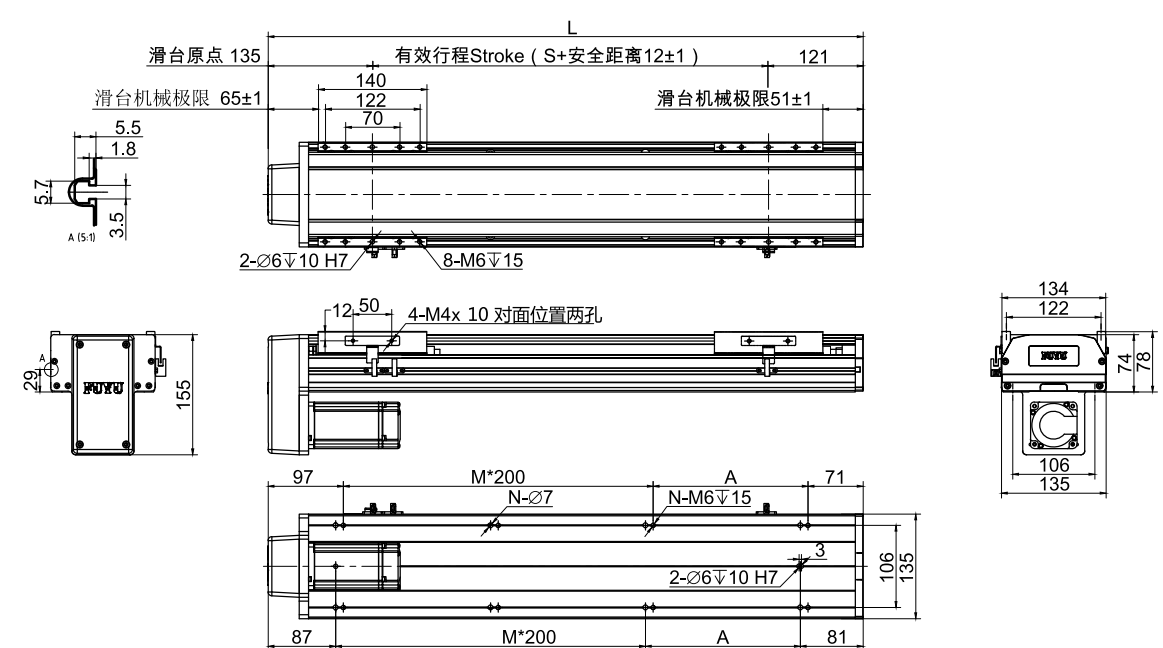
BD

电机下折 MOTOR DOWN SIDE

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail

M : 阵列数
M : Number of arrays

N : 安装孔个数
N : Number of mounting holes



行程[mm] Stroke	100	150	200	250	300	400	500	600	700	800	900	1000	1100	1200	1250
模组总长[mm] Linear Guide Total Length	368	418	468	518	568	668	718	868	968	1068	1168	1268	1368	1468	1518
重量[kg] Weight	6.0	6.5	7.0	7.5	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	17.5

注:图中参考电机为台达400W,仅供参考

FTH17直线模组

FTH17 LINEAR GUIDE

Double rail
双轨



更多参数请联系我们
More parameters please contact us

重复定位精度[mm]
Position Accuracy
±0.02

有效行程[mm]
Effective Stroke
50~1500

垂直最大负载[kg]
Max Vertical Loading
50

水平最大负载[kg]
Max Horizontal Loadings
120

FTH17 直线模组-型号表示方式
FTH17-ORDERING METHOD

FTH17		C7		L		10		100		BC		T40		S					
FTH盖板式丝杆模组 FTH cover plate ball screw linear guide		传动材料类别 Transmission material category		电机连接形式 Motor position		丝杆滑台 Screw Slider		伺服电机 Servo motor		P松下		40:400W		T台达		75:750W			
型号 Model	本体宽 (mm) Wide(mm)	L	标配丝杆 standard ball screw	M	电机内置 Motor hidden in	BC	电机直连 Motor Exposed	BL	电机左折 Motor Left Side	BR	电机右折 Motor Right Side	BD	电机下折 Motor Down Side	Y安川	M三菱				
FTH17		170		丝杆精度 Screw rod accuracy		丝杆滑台 Screw Slider		C7		步进电机 Stepping motor		B60		60X102		B86		86X128	
导程 Lead		丝杆模组 Screw module		有效行程 Effective Stroke		FTH17		50~1500		刹车 brake		无刹车不表示 Extra Enquiry If Need Brake							
05		05mm																	
10		10mm																	
20		20mm																	
25		25mm																	

FTH17 直线模组-搭配一览表
FTH17-COLLOCATION LIST

触摸屏 Touch screen	控制器 Controller	限位开关 Limit switch
TPC7062HW	FSC-2A	FY-SPX307
	FMC4030	

FTH17 直线模组-技术参数

FTH17-TECHNICAL PARAMETER

TECHNICAL PARAMETER	重复定位精度[mm] Position Accuracy	±0.02			
	导轨规格 Guide Type	双轨W20xH15.5			
	丝杆规格 Ball Screw Type	20/25			
	导程 (mm) Lead	5	10	20	25
	最大速度[mm/s] Max Speed	250	500	1000	1250
	水平额定负载[kg] Horizontal Rated Load	120	110	80	60
	垂直额定负载[kg] Vertical Rated Load	50	40	25	20
	额定负载噪声[dB] Rated Load Noise	70-80			
	加速度[mm/s] Accelerated Speed	500			
	储藏温度[°C] Storage temperature	-15℃—+60℃			

FTH17 直线模组-容许负载扭矩

FTH17-ALLOWABLE LOAD TORQUE

单位Unit : mm

单位Unit : mm

单位Unit : mm

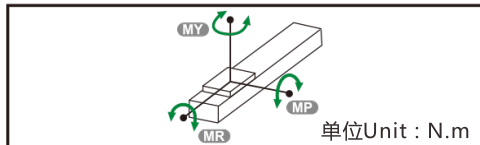
水平安装 Horizontal installation		A	B	C
导程 5 Stroke	70kg	3235	349	408
	90kg	2482	263	306
	120kg	1850	187	217
导程 10 Stroke	65kg	1911	338	373
	85kg	1445	248	276
	110kg	1102	182	202
导程 20 Stroke	35kg	1666	547	538
	55kg	1030	331	328
	80kg	697	232	232

侧挂安装 Wall installation		A	B	C
导程 5 Stroke	75kg	377	322	2988
	95kg	288	246	2333
	120kg	218	187	1850
导程 10 Stroke	60kg	408	368	2092
	80kg	296	266	1554
	110kg	202	182	1102
导程 20 Stroke	30kg	633	644	1961
	50kg	365	369	1143
	80kg	213	214	681

垂直安装 Vertical installation		A	C
导程 5 Stroke	20kg	1368	1368
	30kg	911	911
	50kg	546	546
导程 10 Stroke	15kg	1618	1618
	25kg	970	970
	40kg	606	606
导程 20 Stroke	10kg	1922	1922
	14kg	1377	1377
	25kg	771	771

FTH17 直线模组-静态容许负载

FTH17-STATIC LOADING MOMENT



MY	1032
MP	1034
MR	908

力矩所表示的数据代表重心
The data represented by the moment represent the center of gravity

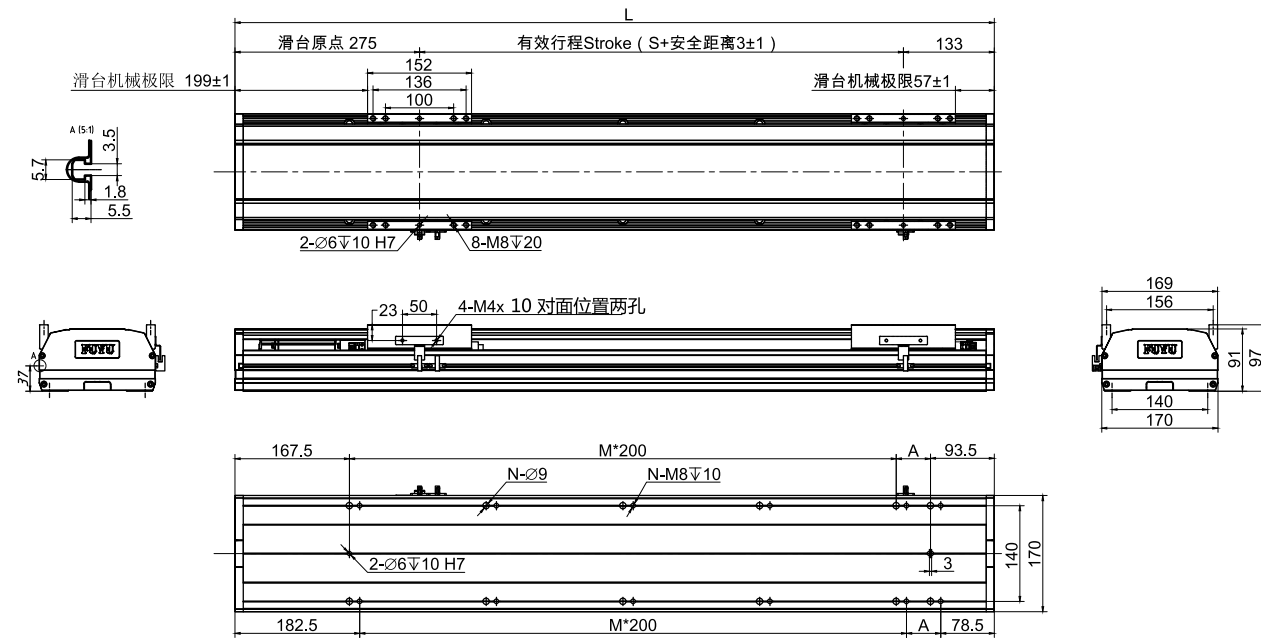
M

电机内置 MOTOR HIDDEN IN

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail

M : 阵列数
M : Number of arrays

N : 安装孔个数
N : Number of mounting holes



行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
模组总长[mm] Linear Guide Total Length	511	611	711	811	911	1011	1111	1211	1311	1411	1511	1611	1711	1811	1911
重量[kg] Weight	10.5	12.1	13.7	15.3	16.9	18.5	20.1	21.7	23.3	24.9	26.5	28.1	29.7	31.3	32.9

注:图中参考电机为台达400W,仅供参考

Note: the motor marked in the figure is delta 400W, for reference only

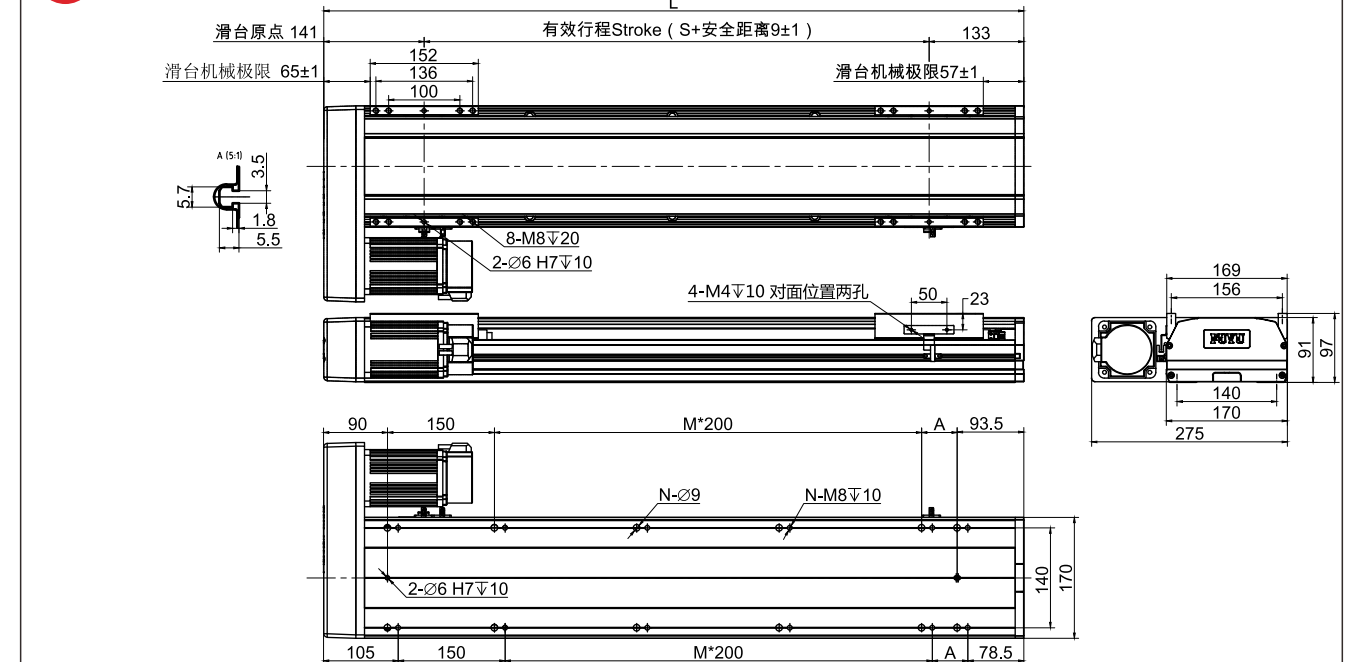
BLR

电机左/右折 MOTOR LEFT AND RIGHT SIDE

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail

M : 阵列数
M : Number of arrays

N : 安装孔个数
N : Number of mounting holes



行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
模组总长[mm] Linear Guide Total Length	383	483	583	683	783	883	983	1083	1183	1283	1383	1483	1583	1683	1783
重量[kg] Weight	10.1	11.7	13.3	14.9	16.5	18.1	19.7	21.3	22.9	24.5	26.1	27.7	29.3	30.9	32.5

注:图中参考电机为台达400W,仅供参考

Note: the motor marked in the figure is delta 400W, for reference only

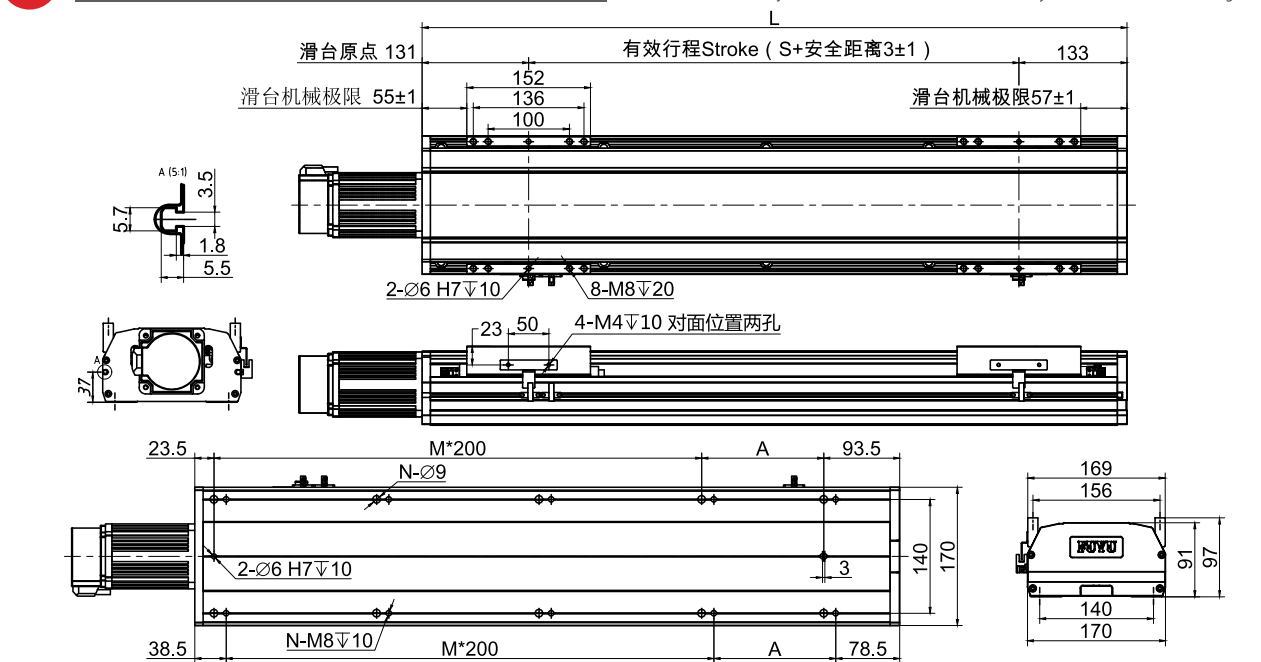
BC

电机直连 MOTOR EXPOSED

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail

M : 阵列数
M : Number of arrays

N : 安装孔个数
N : Number of mounting holes



行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
模组总长[mm] Linear Guide Total Length	367	467	567	667	767	867	967	1067	1167	1267	1367	1467	1567	1667	1767
重量[kg] Weight	10.1	11.7	13.3	14.9	16.5	18.1	19.7	21.3	22.9	24.5	26.1	27.7	29.3	30.9	32.5

注:图中参考电机为台达400W,仅供参考

Note: the motor marked in the figure is delta 400W, for reference only

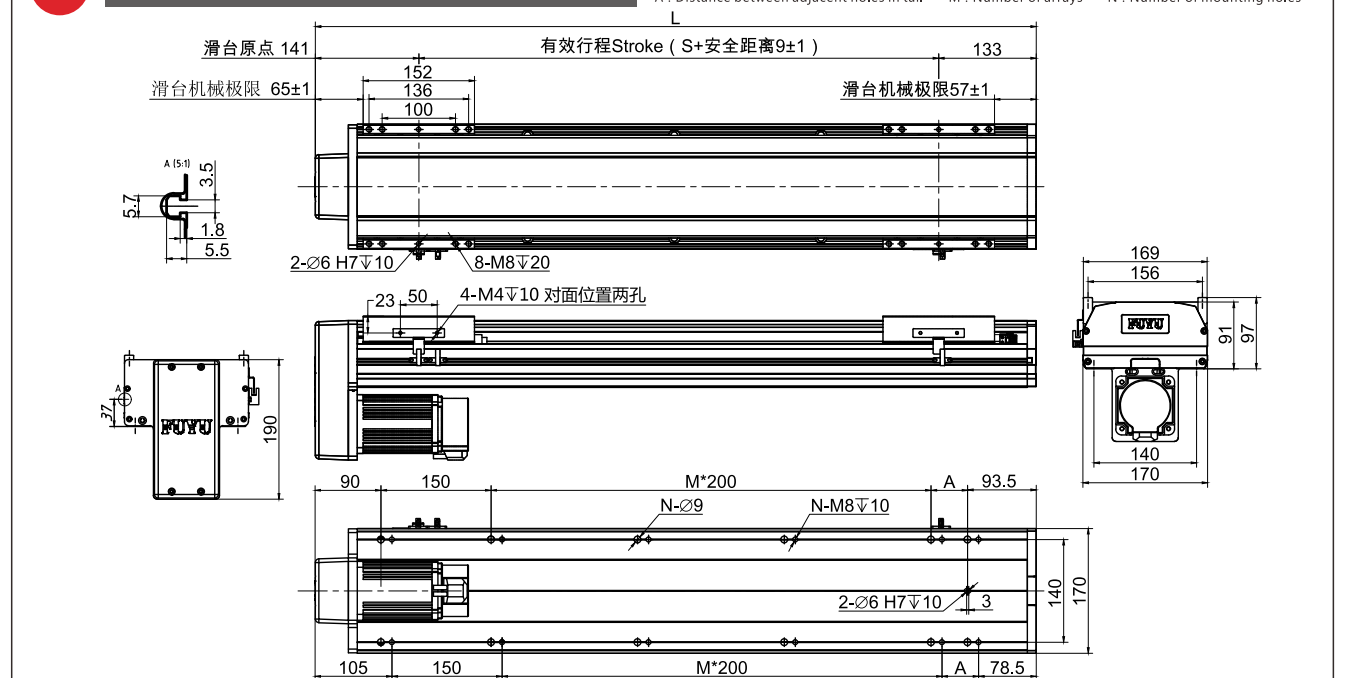
BD

电机下折 MOTOR DOWN SIDE

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail

M : 阵列数
M : Number of arrays

N : 安装孔个数
N : Number of mounting holes

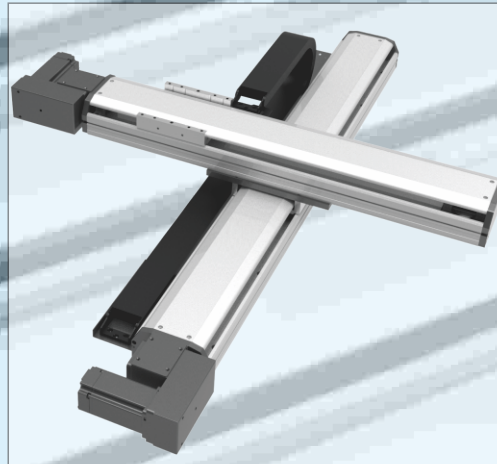


行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
模组总长[mm] Linear Guide Total Length	383	483	583	683	783	883	983	1083	1183	1283	1383	1483	1583	1683	1783
重量[kg] Weight	10.1	11.7	13.3	14.9	16.5	18.1	19.7	21.3	22.9	24.5	26.1	27.7	29.3	30.9	32.5

注:图中参考电机为台达400W,仅供参考

Note: the motor marked in the figure is delta 400W, for reference only

FTB系列模组 FTB LINEAR GUIDE



长行程 高速度 LONG TRAVEL AND HIGH SPEED

FTB模组可轻易达到高速度使用需求，运转稳定，重复定位精度可达到 $\pm 0.05\text{mm}$ ，完美应对所有自动化市场需求，使用范围及用途广泛，是目前国际市场主要运用的产品之一。

FTB module can easily meet the needs of high-speed use, stable operation, and repeated positioning accuracy of $\pm 0.05\text{mm}$. It perfectly responds to the needs of all automation markets. It is widely used in the industry and popularized in the global market.

技术特点 TECHNICAL FEATURES

1.可选配件 OPTIONAL ACCESSORIES

电源、驱动、限位开关、控制器、连接板、拖链

Power supply, drive, limit switch, controller, connection board, drag chain

2.应用范围 APPLICATION AREA

应用范围：主要用于工作定位、夹取、搬运等自动化设备。包括电子部件组装、液体注入填充装置、点熔焊装置、电路板与晶圆盒定位插入装置、物件整列靠齐。

Application range: laser cutting machine, PV back sheet cutting engraving machine, transportation mechanical arm, assistant device, Electric research test function demonstration, kinds of industrail automatic production line, kinds of precision machinery processing

3.产业 INDUSTRY

TFT-LCD液晶面板设备，半导体设备，LED线上设备，太阳能设备。

Semiconductor device, LED online device, solar equipment, FPD equipment



FTB10 直线模组
FTB10 LINEAR MODULE
»» P79



FTB12 直线模组
FTB12 LINEAR MODULE
»» P83



FTB14 直线模组
FTB14 LINEAR MODULE
»» P87

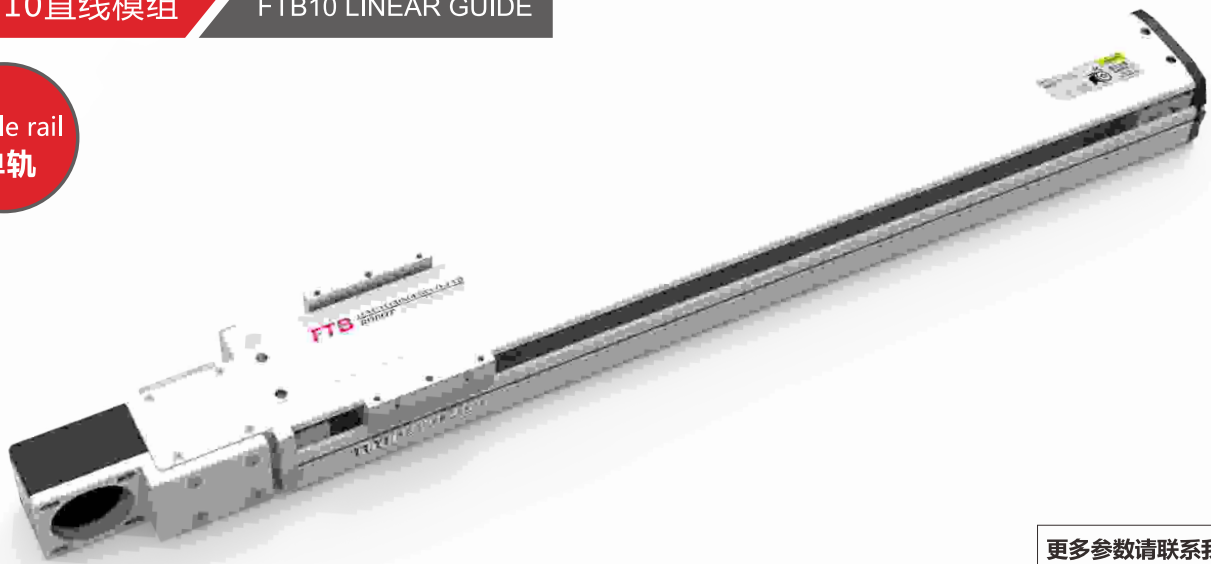


FTB17 直线模组
FTB17 LINEAR MODULE
»» P91

FTB10直线模组

FTB10 LINEAR GUIDE

Single rail
单轨



更多参数请联系我们
More parameters please contact us

重复定位精度[mm]
Position Accuracy
±0.05

有效行程[mm]
Effective Stroke
100~3500

垂直最大负载[kg]
Max Vertical Loading
特殊需求请联系我们
Please contact us for special needs

水平最大负载[kg]
Max Horizontal Loadings
10

FTB10 直线模组-型号表示方式
FTB10-ORDERING METHOD

FTB10		L		35		100		BC		T40		S		
FTB盖板式同步带模组 FTB cover plate belt linear guide		传动材料类别 Transmission material category		电机连结形式 Motor position						伺服电机 Servo motor				
型号 Model	本体宽 (mm) Wide(mm)	L	Pu皮带 PU BELT	同步带滑台 Belt slide						P松下	40:400W			
FTB10	102	X	橡胶皮带 Rubber belt	L	电机左方	Motor Left		T台达	75:750W			Y安川	M三菱	
				LU	电机左上方	Motor Upper Left								
				LD	电机左下方	Motor Lower Left								
				R	电机右方	Motor Right								
				RU	电机右上方	Motor Upper Right								
				RD	电机右下方	Motor Lower Right								
										步进电机 Stepping motor				
		35	35mm							B60	60X102			
										B86	86X128			
										刹车 brake				
										无刹车不表示 Extra Enquiry If Need Brake				
		有效行程 Effective Stroke												
		FTB10	100~3500											

FTB10 直线模组-搭配一览表
FTB10-COLLOCATION LIST

触摸屏 Touch screen	控制器 Controller	限位开关 Limit switch
TPC7062HW	FSC-2A	SPX303Z(NPN-NO)
	FMC4030	

FTB10 直线模组-技术参数

FTB10-TECHNICAL PARAMETER

TECHNICAL PARAMETER	重复定位精度[mm] Position Accuracy	±0.05
	导轨规格 Guide Type	单轨W20xH15.5
	皮带规格 Belt Type	15
	导程 (mm) Lead	35
	最大速度[mm/s] Max Speed	1750
	水平额定负载[kg] Horizontal Rated Load	10
	垂直额定负载[kg] Vertical Rated Load	特殊需求请联系我们 Please contact us for special needs
	额定负载噪声[dB] Rated Load Noise	70-80
	加速度[mm/s] Accelerated Speed	1000
	储藏温度[°C] Storage temperature	-15℃—+60℃

FTB10 直线模组-容许负载扭矩

FTB10-ALLOWABLE LOAD TORQUE

 单位Unit : mm				 单位Unit : mm			
水平安装 Horizontal installation	A	B	C	侧挂安装 Wall installation	A	B	C
5kg	495	155	130	4kg	165	200	625
8kg	301	91	77	7kg	90	110	350
10kg	236	71	60	10kg	60	75	240

力矩所表示的数据代表重心
The data represented by the
moment represent the center of gravity

FTB10 直线模组-静态容许负载

FTB10-STATIC LOADING MOMENT

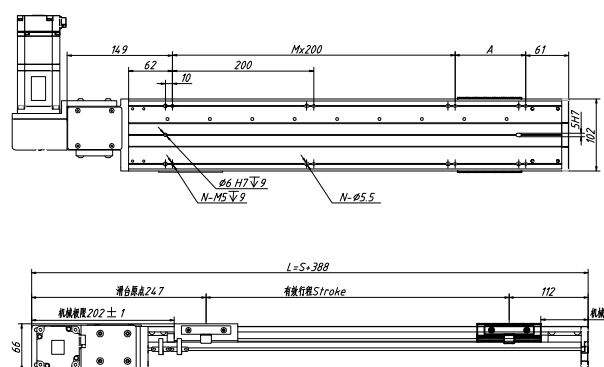
 单位Unit : N.m	
MY	110
MP	110
MR	120

L

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail

M : 阵列数
M : Number of arrays

N : 安装孔个数
N : Number of mounting holes



行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
模组总长[mm] Linear Guide Total Length	488	588	688	788	888	988	1088	1188	1288	1388	1488	1588	1688	1788	1888	1988	2088	2188
重量[kg] Weight	4.6	5.2	5.8	6.5	7.1	7.7	8.3	8.9	9.6	10.2	10.8	11.4	12.1	12.7	13.3	13.9	14.5	15.2
行程[mm] Stroke	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	
模组总长[mm] Linear Guide Total Length	2288	2388	2488	2588	2688	2788	2888	2988	3088	3188	3288	3388	3488	3588	3688	3788	3888	
重量[kg] Weight	15.8	16.4	17.0	17.6	18.3	18.9	19.5	20.1	20.7	21.4	22.0	22.6	23.2	23.9	24.5	25.1	25.7	

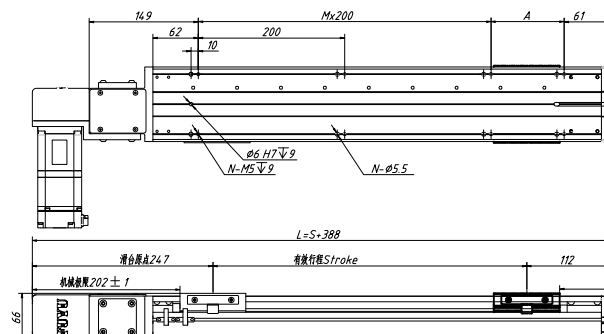
备注：螺母安装数量会以长度不同而变化，以实际为准。 The installation length of nut shall be subject to the actual situation

R

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail

M : 阵列数
M : Number of arrays

N : 安装孔个数
N : Number of mounting holes



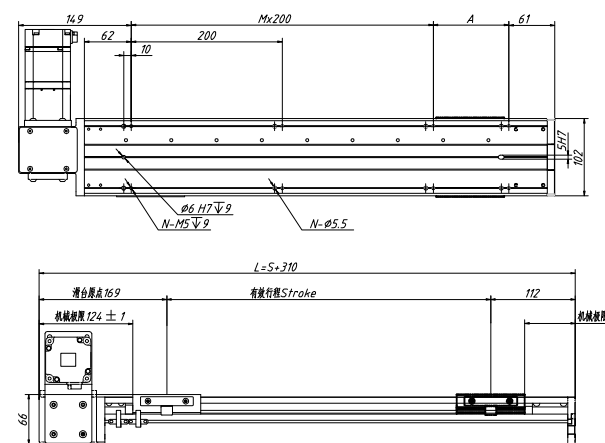
行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
模组总长[mm] Linear Guide Total Length	488	588	688	788	888	988	1088	1188	1288	1388	1488	1588	1688	1788	1888	1988	2088	2188
重量[kg] Weight	4.6	5.2	5.8	6.5	7.1	7.7	8.3	8.9	9.6	10.2	10.8	11.4	12.1	12.7	13.3	13.9	14.5	15.2
行程[mm] Stroke	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	
模组总长[mm] Linear Guide Total Length	2288	2388	2488	2588	2688	2788	2888	2988	3088	3188	3288	3388	3488	3588	3688	3788	3888	
重量[kg] Weight	15.8	16.4	17.0	17.6	18.3	18.9	19.5	20.1	20.7	21.4	22.0	22.6	23.2	23.9	24.5	25.1	25.7	

备注：螺母安装数量会以长度不同而变化，以实际为准。 The installation length of nut shall be subject to the actual situation

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail

M : 阵列数
M : Number of array

N : Number of mounting holes



行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
模组总长[mm] Linear Guide Total Length	410	510	610	710	810	910	1010	1110	1210	1310	1410	1510	1610	1710	1810	1910	2010	2110
重量[kg] Weight	4.6	5.2	5.8	6.5	7.1	7.7	8.3	8.9	9.6	10.2	10.8	11.4	12.1	12.7	13.3	13.9	14.5	15.2
行程[mm] Stroke	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	
模组总长[mm] Linear Guide Total Length	2210	2310	2410	2510	2610	2710	2810	2910	3010	3110	3210	3310	3410	3510	3610	3710	3810	
重量[kg] Weight	15.8	16.4	17.0	17.6	18.3	18.9	19.5	20.1	20.7	21.4	22.0	22.6	23.2	23.9	24.5	25.1	25.7	

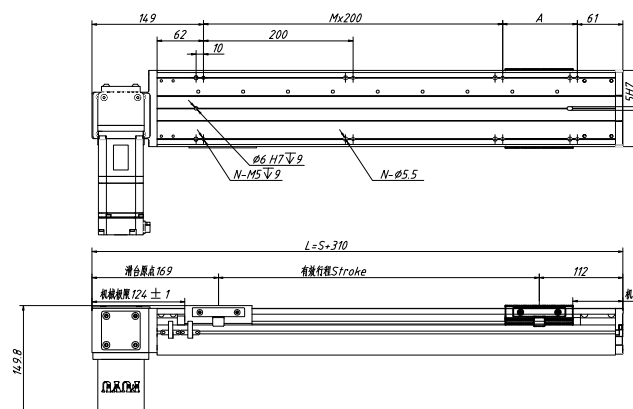
备注：螺母安装数量 会以长度不同而变化，以实际为准。 The installation length of nut shall be subject to the actual situation

R

A : Distance between adjacent holes in tail

M : 阵列数
M : Number of array

N : 安装孔个数
N : Number of mounting holes



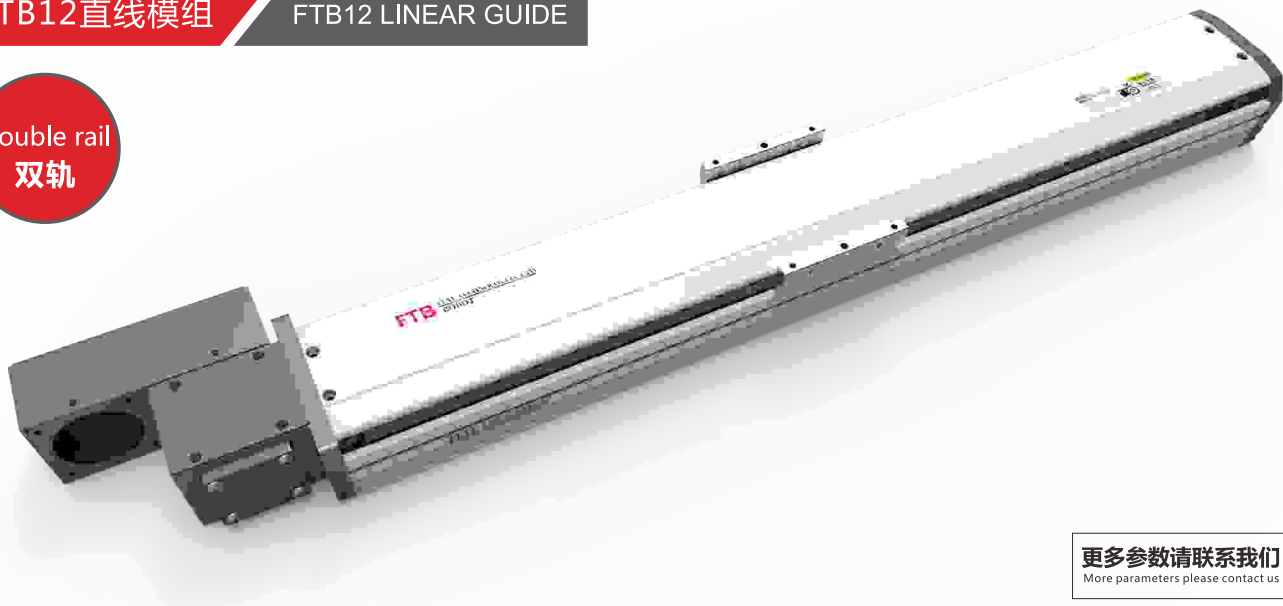
行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
模组总长[mm] Linear Guide Total Length	410	510	610	710	810	910	1010	1110	1210	1310	1410	1510	1610	1710	1810	1910	2010	2110
重量[kg] Weight	4.6	5.2	5.8	6.5	7.1	7.7	8.3	8.9	9.6	10.2	10.8	11.4	12.1	12.7	13.3	13.9	14.5	15.2
行程[mm] Stroke	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	
模组总长[mm] Linear Guide Total Length	2210	2310	2410	2510	2610	2710	2810	2910	3010	3110	3210	3310	3410	3510	3610	3710	3810	
重量[kg] Weight	15.8	16.4	17.0	17.6	18.3	18.9	19.5	20.1	20.7	21.4	22.0	22.6	23.2	23.9	24.5	25.1	25.7	

备注：螺母安装数量 会以长度不同而变化，以实际为准。 The installation length of nut shall be subject to the actual situation

FTB12直线模组

FTB12 LINEAR GUIDE

Double rail
双轨



更多参数请联系我们
More parameters please contact us

重复定位精度[mm]
Position Accuracy
±0.05

有效行程[mm]
Effective Stroke
100~3500

垂直最大负载[kg]
Max Vertical Loading
特殊需求请联系我们
Please contact us for special needs

水平最大负载[kg]
Max Horizontal Loadings
10

FTB12 直线模组-型号表示方式
FTB12-ORDERING METHOD

FTB12		L		35		100		BC		T40		S			
FTB盖板式同步带模组 FTB cover plate belt linear guide		传动材料类别 Transmission material category		电机连结形式 Motor position						伺服电机 Servo motor					
型号 Model	本体宽 (mm) Wide(mm)	L	Pu皮带 PU BELT	同步带滑台 Belt slide						P松下	40:400W				
FTB12	102	X	橡胶皮带 Rubber belt	L	电机左方	Motor Left		T台达	75:750W			Y安川	M三菱		
				LU	电机左上方	Motor Upper Left									
				LD	电机左下方	Motor Lower Left									
				R	电机右方	Motor Right									
				RU	电机右上方	Motor Upper Right									
				RD	电机右下方	Motor Lower Right									
									步进电机 Stepping motor						
									B60	60X102					
									B86	86X128					
									刹车 brake						
									无刹车不表示 Extra Enquiry If Need Brake						

FTB12 直线模组-搭配一览表
FTB12-COLLOCATION LIST

触摸屏 Touch screen	控制器 Controller	限位开关 Limit switch
TPC7062HW	FSC-2A	SPX303Z(NPN-NO)
	FMC4030	

FTB12 直线模组-技术参数

FTB12-TECHNICAL PARAMETER

TECHNICAL PARAMETER	重复定位精度[mm] Position Accuracy	±0.05
	导轨规格 Guide Type	双轨W12xH8
	皮带规格 Belt Type	HTD5M-15
	导程 (mm) Lead	35
	最大速度[mm/s] Max Speed	1750
	水平额定负载[kg] Horizontal Rated Load	10
	垂直额定负载[kg] Vertical Rated Load	特殊需求请联系我们 Please contact us for special needs
	额定负载噪声[dB] Rated Load Noise	70-80
	加速度[mm/s] Accelerated Speed	3000
	储藏温度[°C] Storage temperature	-15℃—+60℃

FTB12 直线模组-容许负载扭矩

FTB12-ALLOWABLE LOAD TORQUE

 单位Unit : mm				 单位Unit : mm			
水平安装 Horizontal installation	A	B	C	侧挂安装 Wall installation	A	B	C
5kg	495	155	130	4kg	165	200	625
8kg	301	91	77	7kg	90	110	350
10kg	236	71	60	10kg	60	75	240

力矩所表示的数据代表重心
The data represented by the
moment represent the center of gravity

FTB12 直线模组-静态容许负载

FTB12-STATIC LOADING MOMENT

 单位Unit : N.m	
MY	110
MP	110
MR	120

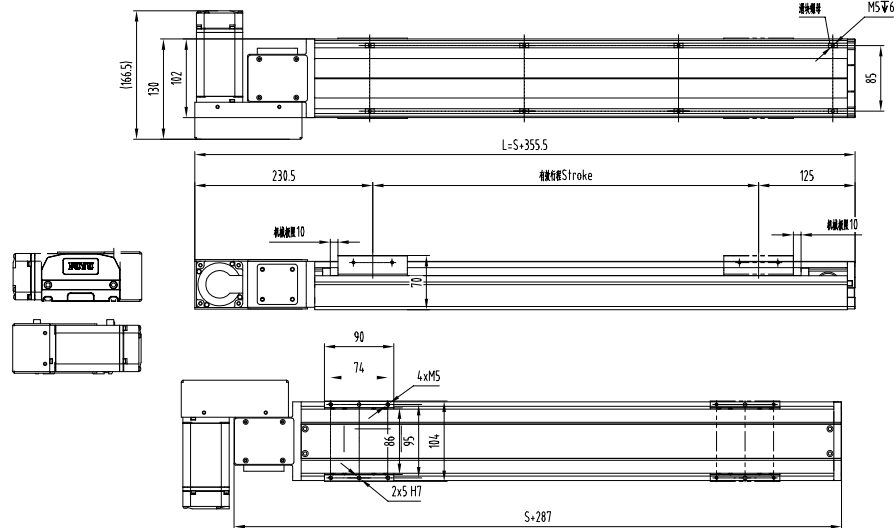
L

电机左折 MOTOR LEFT SIDE

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail

M : 阵列数
M : Number of arrays

N : 安装孔个数
N : Number of mounting holes



行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
模组总长[mm] Linear Guide Total Length	455	555	655	755	855	955	1055	1155	1255	1355	1455	1555	1655	1755	1855	1955	2055	2155
重量[kg] Weight	3.57	4.53	5.17	5.81	6.45	7.09	7.73	8.37	9.01	9.65	10.29	10.93	11.57	12.21	12.85	13.49	14.13	14.77
行程[mm] Stroke	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	
模组总长[mm] Linear Guide Total Length	2255	2355	2455	2555	2655	2755	2855	2955	3055	3155	3255	3355	3455	3555	3655	3755	3855	
重量[kg] Weight	15.41	16.05	16.69	17.33	17.97	18.61	19.25	19.89	20.53	21.17	21.81	22.45	23.09	23.73	24.37	25.01	25.65	

备注：螺母安装数量 会以长度不同而变化，以实际为准。

The installation length of nut shall be subject to the actual situation

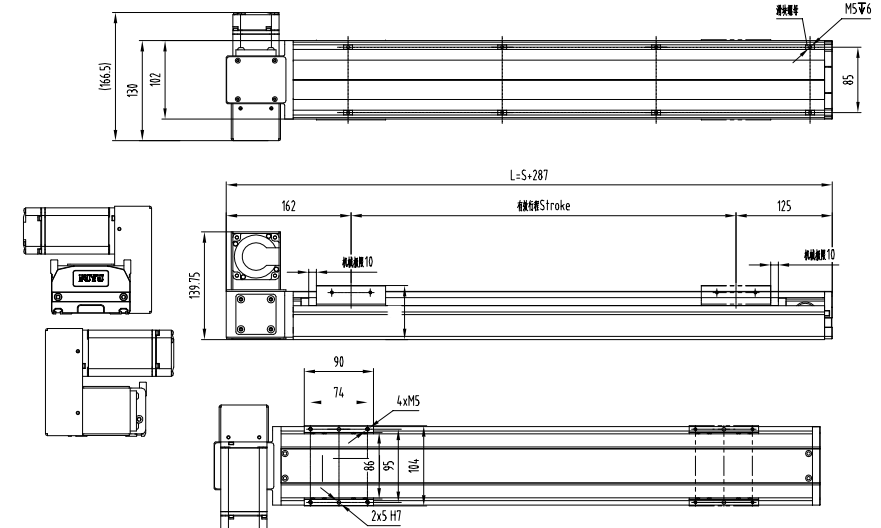
LU

电机左上折 MOTOR LEFT UPPER SIDE

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail

M : 阵列数
M : Number of arrays

N : 安装孔个数
N : Number of mounting holes



行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
模组总长[mm] Linear Guide Total Length	410	510	610	710	810	910	1010	1110	1210	1310	1410	1510	1610	1710	1810	1910	2010	2110
重量[kg] Weight	3.57	4.53	5.17	5.81	6.45	7.09	7.73	8.37	9.01	9.65	10.29	10.93	11.57	12.21	12.85	13.49	14.13	14.77
行程[mm] Stroke	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	
模组总长[mm] Linear Guide Total Length	2210	2310	2410	2510	2610	2710	2810	2910	3010	3110	3210	3310	3410	3510	3610	3710	3810	
重量[kg] Weight	15.41	16.05	16.69	17.33	17.97	18.61	19.25	19.89	20.53	21.17	21.81	22.45	23.09	23.73	24.37	25.01	25.65	

备注：螺母安装数量 会以长度不同而变化，以实际为准。

The installation length of nut shall be subject to the actual situation

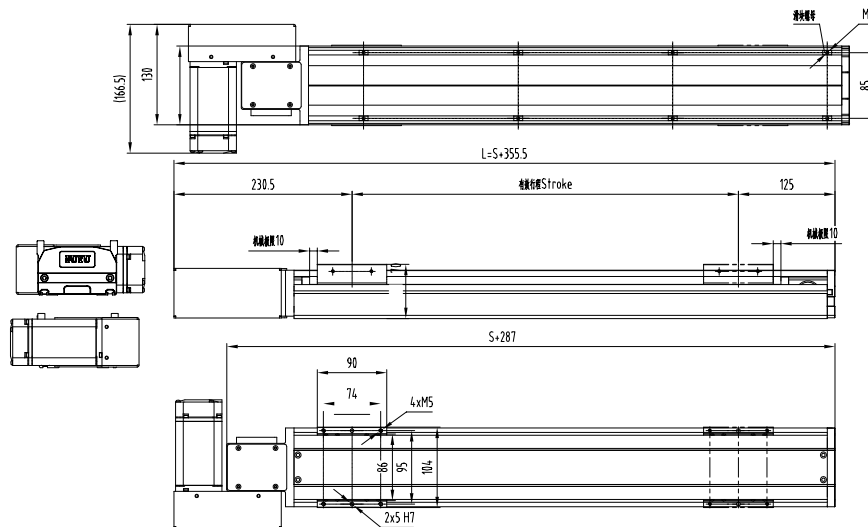
R

电机右折 MOTOR RIGHT SIDE

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail

M : 阵列数
M : Number of arrays

N : 安装孔个数
N : Number of mounting holes



行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
模组总长[mm] Linear Guide Total Length	455	555	655	755	855	955	1055	1155	1255	1355	1455	1555	1655	1755	1855	1955	2055	2155
重量[kg] Weight	3.57	4.53	5.17	5.81	6.45	7.09	7.73	8.37	9.01	9.65	10.29	10.93	11.57	12.21	12.85	13.49	14.13	14.77
行程[mm] Stroke	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	
模组总长[mm] Linear Guide Total Length	2255	2355	2455	2555	2655	2755	2855	2955	3055	3155	3255	3355	3455	3555	3655	3755	3855	
重量[kg] Weight	15.41	16.05	16.69	17.33	17.97	18.61	19.25	19.89	20.53	21.17	21.81	22.45	23.09	23.73	24.37	25.01	25.65	

备注：螺母安装数量 会以长度不同而变化，以实际为准。

The installation length of nut shall be subject to the actual situation

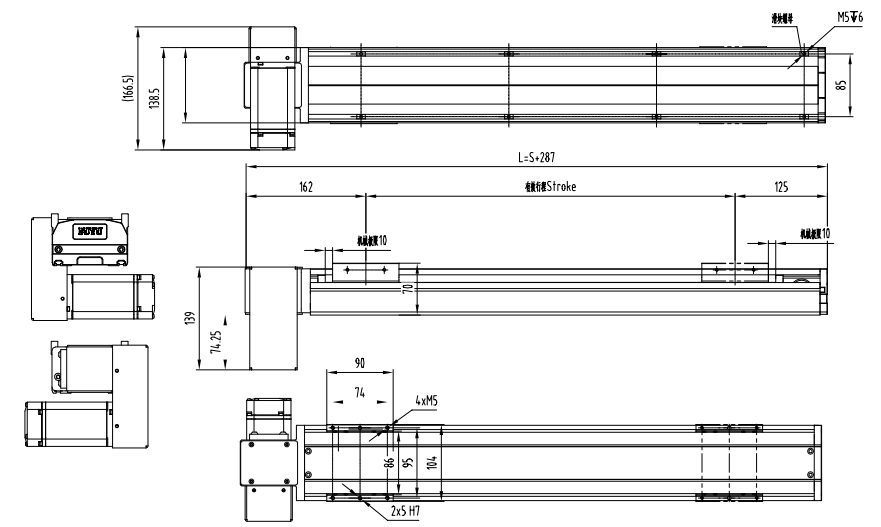
RD

电机右下折 MOTOR RIGHT LOWER SIDE

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail

M : 阵列数
M : Number of arrays

N : 安装孔个数
N : Number of mounting holes



行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
模组总长[mm] Linear Guide Total Length	410	510	610	710	810	910	1010	1110	1210	1310	1410	1510	1610	1710	1810	1910	2010	2110
重量[kg] Weight	3.57	4.53	5.17	5.81	6.45	7.09	7.73	8.37	9.01	9.65	10.29	10.93	11.57	12.21	12.85	13.49	14.13	14.77
行程[mm] Stroke	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	
模组总长[mm] Linear Guide Total Length	2210	2310	2410	2510	2610	2710	2810	2910	3010	3110	3210	3310	3410	3510	3610	3710	3810	
重量[kg] Weight	15.41	16.05	16.69	17.33	17.97	18.61	19.25	19.89	20.53	21.17	21.81	22.45	23.09	23.73	24.37	25.01	25.65	

备注：螺母安装数量 会以长度不同而变化，以实际为准。

The installation length of nut shall be subject to the actual situation

FTB14直线模组

FTB14 LINEAR GUIDE

Double rail
双轨



更多参数请联系我们
More parameters please contact us

重复定位精度[mm]
Position Accuracy
±0.05

有效行程[mm]
Effective Stroke
100~3500

垂直最大负载[kg]
Max Vertical Loading
特殊需求请联系我们
Please contact us for special needs

水平最大负载[kg]
Max Horizontal Loadings
25

FTB14 直线模组-型号表示方式
FTB14-ORDERING METHOD

FTB14		L		40	100	BC	T40	S
FTB盖板式同步带模组 FTH cover plate belt linear guide		传动材料类别 Transmission material category		电机连结形式 Motor position		伺服电机 Servo motor		
型号 Model	本体宽 (mm) Wide(mm)	L	Pu皮带 PU BELT	同步带滑台 Belt slide		P松下	40:400W	
FTB14	135	X	橡胶皮带 Rubber belt	L	电机左方 Motor Left	T台达	75:750W	
		导程 Lead		LU	电机左上方 Motor Upper Left	Y安川		
		同步带模组 Belt Slider		LD	电机左下方 Motor Lower Left	M三菱		
		40	40mm	R	电机右方 Motor Right	步进电机 Stepping motor		
		有效行程 Effective Stroke		RU	电机右上方 Motor Upper Right	B60	60X102	
		FTB14	100~3500	RD	电机右下方 Motor Lower Right	B86	86X128	
						刹车 brake		
						无刹车不表示 Extra Enquiry If Need Brake		

FTB14 直线模组-搭配一览表
FTB14-COLLOCATION LIST

触摸屏 Touch screen	控制器 Controller	限位开关 Limit switch
TPC7062HW	FSC-2A	FY-SPX307
	FMC4030	

FTB14 直线模组-技术参数
FTB14-TECHNICAL PARAMETER

TECHNICAL PARAMETER	重复定位精度[mm] Position Accuracy	±0.05
	导轨规格 Guide Type	双轨W15xH12.5
	皮带规格 Belt Type	25
	导程 (mm) Lead	40
	最大速度[mm/s] Max Speed	2000
	水平额定负载[kg] Horizontal Rated Load	25
	垂直额定负载[kg] Vertical Rated Load	特殊需求请联系我们 Please contact us for special needs
	额定负载噪声[dB] Rated Load Noise	70-80
	加速度[mm/s] Accelerated Speed	1000
	储藏温度[°C] Storage temperature	-15°C—+60°C

FTB14 直线模组-容许负载扭矩
FTB14-ALLOWABLE LOAD TORQUE

 单位Unit : mm				 单位Unit : mm			
水平安装 Horizontal installation	A	B	C	侧挂安装 Wall installation	A	B	C
10kg	1795	690	540	15kg	50	450	1180
20kg	860	330	260	18kg	290	370	970
25kg	670	260	200	25kg	60	75	240

力矩所表示的数据代表重心
The data represented by the
moment represent the center of gravity

FTB14 直线模组-静态容许负载
FTB14-STATIC LOADING MOMENT

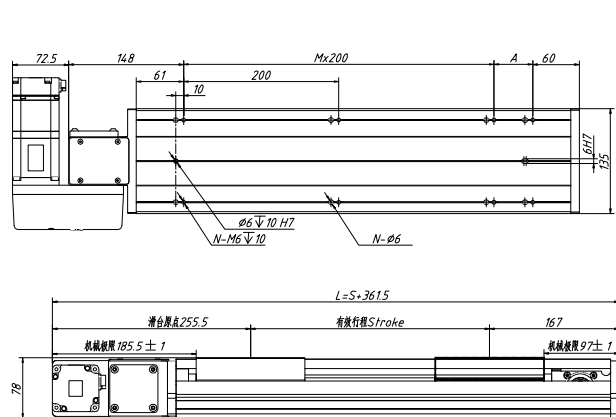
 单位Unit : N.m	
MY	560
MP	565
MR	490

L

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail

M: 阵列数
M: Number of arrays

N : 安装孔个数
N : Number of mounting holes



行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
模组总长[mm] Linear Guide Total Length	530.5	630.5	730.5	830.5	930.5	1030.5	1130.5	1230.5	1330.5	1430.5	1530.5	1630.5	1730.5	1830.5	1930.5	2030.5	2130.5	2230.5
重量[kg] Weight	7.3	8.2	9.1	10.0	10.8	11.7	12.6	13.5	14.4	15.2	16.1	17.0	17.9	18.8	19.6	20.5	21.4	22.3
行程[mm] Stroke	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	
模组总长[mm] Linear Guide Total Length	2330.5	2430.5	2530.5	2630.5	2730.5	2830.5	2930.5	3030.5	3130.5	3230.5	3330.5	3430.5	3530.5	3630.5	3730.5	3830.5	3930.5	
重量[kg] Weight	23.2	24.0	24.9	25.8	26.7	27.6	28.4	29.3	30.2	31.1	32.0	32.8	33.7	34.6	35.5	36.4	37.2	

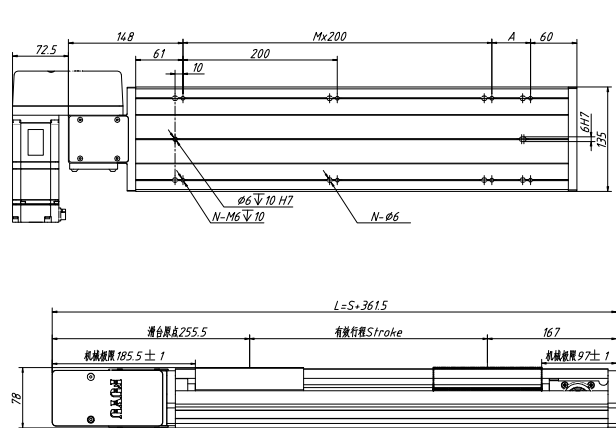
备注：螺母安装数量会以长度不同而变化，以实际为准。 The installation length of nut shall be subject to the actual situation

R

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail

M: 阵列数
M: Number of arrays

N : 安装孔个数
N : Number of mounting holes



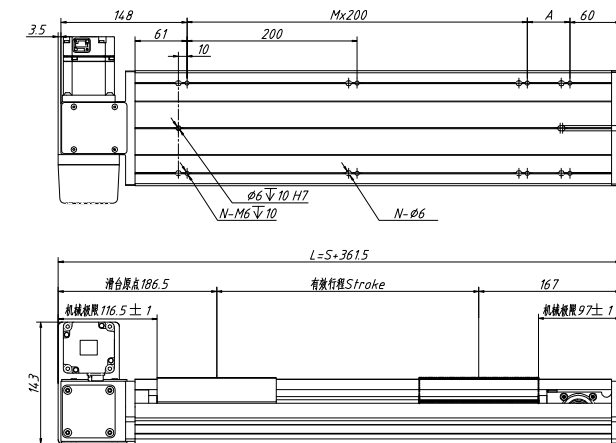
行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
模组总长[mm] Linear Guide Total Length	530.5	630.5	730.5	830.5	930.5	1030.5	1130.5	1230.5	1330.5	1430.5	1530.5	1630.5	1730.5	1830.5	1930.5	2030.5	2130.5	2230.5
重量[kg] Weight	7.3	8.2	9.1	10.0	10.8	11.7	12.6	13.5	14.4	15.2	16.1	17.0	17.9	18.8	19.6	20.5	21.4	22.3
行程[mm] Stroke	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	
模组总长[mm] Linear Guide Total Length	2330.5	2430.5	2530.5	2630.5	2730.5	2830.5	2930.5	3030.5	3130.5	3230.5	3330.5	3430.5	3530.5	3630.5	3730.5	3830.5	3930.5	
重量[kg] Weight	23.2	24.0	24.9	25.8	26.7	27.6	28.4	29.3	30.2	31.1	32.0	32.8	33.7	34.6	35.5	36.4	37.2	

备注：螺母安装数量 会以长度不同而变化，以实际为准。 The installation length of nut shall be subject to the actual situation

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail

M : 阵列数
M : Number of arrays

N : 安装孔个数
N : Number of mounting holes



行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
模组总长[mm] Linear Guide Total Length	461.5	561.5	661.5	761.5	861.5	961.5	1061.5	1161.5	1261.5	1361.5	1461.5	1561.5	1661.5	1761.5	1861.5	1961.5	2061.5	2161.5
重量[kg] Weight	7.3	8.2	9.1	10.0	10.8	11.7	12.6	13.5	14.4	15.2	16.1	17.0	17.9	18.8	19.6	20.5	21.4	22.3
行程[mm] Stroke	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	
模组总长[mm] Linear Guide Total Length	2261.5	2361.5	2461.5	2561.5	2661.5	2761.5	2861.5	2961.5	3061.5	3161.5	3261.5	3361.5	3461.5	3561.5	3661.5	3761.5	3861.5	
重量[kg] Weight	23.2	24.0	24.9	25.8	26.7	27.6	28.4	29.3	30.2	31.1	32.0	32.8	33.7	34.6	35.5	36.4	37.2	

备注：螺母安装数量 会以长度不同而变化，以实际为准。 The installation length of nut shall be subject to the actual situation

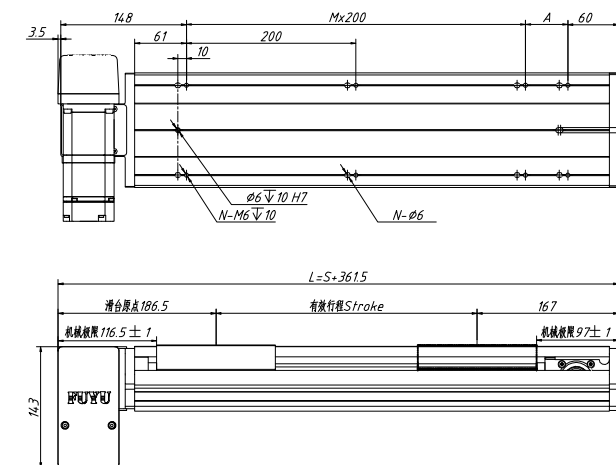
RD

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail

M : 阵列数
M : Number of arrays

N : 安装孔个数
N : Number of m

N : 安装孔个数
N : Number of mounting holes



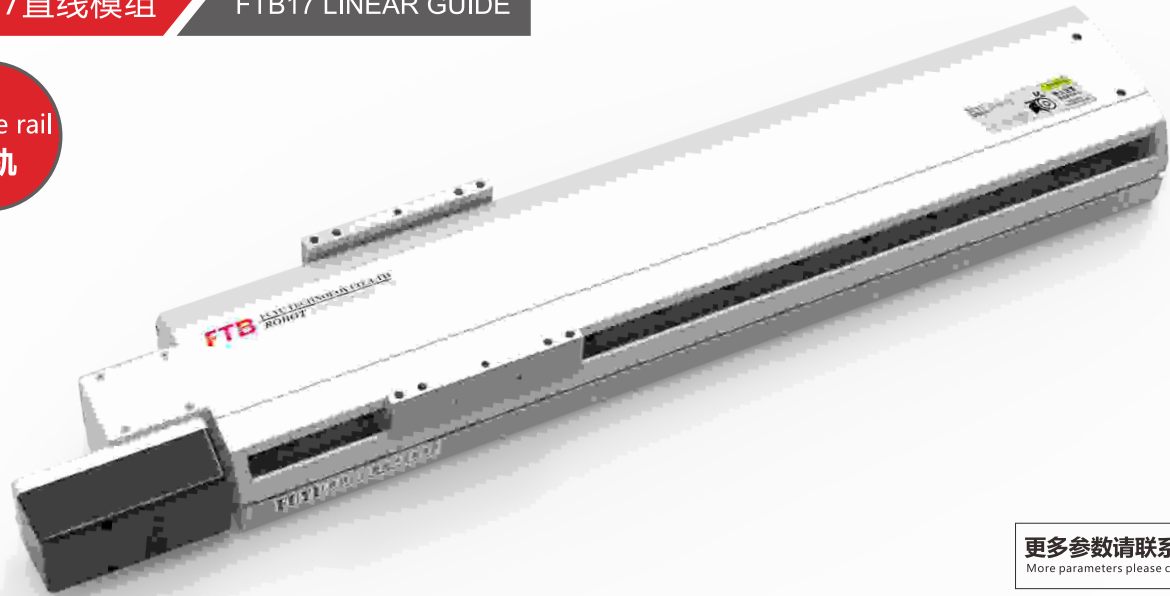
行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
模组总长[mm] Linear Guide Total Length	461.5	561.5	661.5	761.5	861.5	961.5	1061.5	1161.5	1261.5	1361.5	1461.5	1561.5	1661.5	1761.5	1861.5	1961.5	2061.5	2161.5
重量[kg] Weight	7.3	8.2	9.1	10.0	10.8	11.7	12.6	13.5	14.4	15.2	16.1	17.0	17.9	18.8	19.6	20.5	21.4	22.3
行程[mm] Stroke	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	
模组总长[mm] Linear Guide Total Length	2261.5	2361.5	2461.5	2561.5	2661.5	2761.5	2861.5	2961.5	3061.5	3161.5	3261.5	3361.5	3461.5	3561.5	3661.5	3761.5	3861.5	
重量[kg] Weight	23.2	24.0	24.9	25.8	26.7	27.6	28.4	29.3	30.2	31.1	32.0	32.8	33.7	34.6	35.5	36.4	37.2	

备注：螺母安装数量 会以长度不同而变化，以实际为准。 The installation length of nut shall be subject to the actual situation

FTB17直线模组

FTB17 LINEAR GUIDE

Double rail
双轨



更多参数请联系我们
More parameters please contact us

重复定位精度[mm]
Position Accuracy
±0.05

有效行程[mm]
Effective Stroke
100~3500

垂直最大负载[kg]
Max Vertical Loading
特殊需求请联系我们
Please contact us for special needs

水平最大负载[kg]
Max Horizontal Loadings
45

FTB17 直线模组-型号表示方式
FTB17-ORDERING METHOD

FTB17		L		10	100	BC	T40	S
FTB盖板式同步带模组 FTH cover plate belt linear guide		传动材料类别 Transmission material category		电机连结形式 Motor position			伺服电机 Servo motor	
型号 Model	本体宽 (mm) Wide(mm)	L	Pu皮带 PU BELT	同步带滑台 Belt slide			P松下	40:400W
FTB17	170	X	橡胶皮带 Rubber belt	L	电机左方 Motor Left		T台达	75:750W
				LU	电机左上方 Motor Upper Left		Y安川	
				LD	电机左下方 Motor Lower Left		M三菱	
				R	电机右方 Motor Right			
				RU	电机右上方 Motor Upper Right			
				RD	电机右下方 Motor Lower Right			
							步进电机 Stepping motor	
							B60	60X102
							B86	86X128
							刹车 brake	
							无刹车不表示 Extra Enquiry If Need Brake	

FTB17 直线模组-搭配一览表
FTB17-COLLOCATION LIST

触摸屏 Touch screen	控制器 Controller	限位开关 Limit switch
TPC7062HW	FSC-2A	FY-SPX307
	FMC4030	

FTB17 直线模组-技术参数
FTB17-TECHNICAL PARAMETER

TECHNICAL PARAMETER	重复定位精度[mm] Position Accuracy	±0.05
	导轨规格 Guide Type	双轨W20xH15.5
	皮带规格 Belt Type	30
	导程 (mm) Lead	40
	最大速度[mm/s] Max Speed	2000
	水平额定负载[kg] Horizontal Rated Load	45
	垂直额定负载[kg] Vertical Rated Load	特殊需求请联系我们 Please contact us for special needs
	额定负载噪声[dB] Rated Load Noise	70-80
	加速度[mm/s] Accelerated Speed	1000
	储藏温度[°C] Storage temperature	-15°C—+60°C

FTB17 直线模组-容许负载扭矩
FTB17-ALLOWABLE LOAD TORQUE

 单位Unit : mm				 单位Unit : mm			
水平安装 Horizontal installation	A	B	C	侧挂安装 Wall installation	A	B	
10kg	3000	1200	1100	10kg	680	750	2000
20kg	1500	550	500	20kg	390	430	1150
30kg	950	360	320	30kg	270	300	790
45kg	588	220	201	45kg	205	220	588

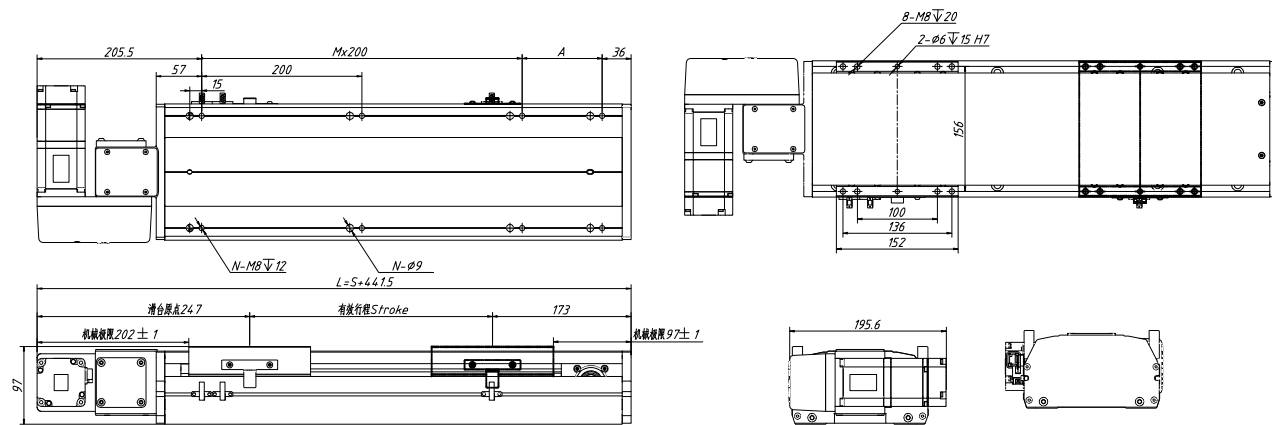
力矩所表示的数据代表重心
The data represented by the
moment represent the center of gravity

FTB17 直线模组-静态容许负载
FTB17-STATIC LOADING MOMENT

 单位Unit : N.m	
MY	1050
MP	1055
MR	910

BL 电机左折 MOTOR LEFT SIDE

A : 尾部相邻孔间距 A : Distance between adjacent holes in tail
M : 阵列数 M : Number of arrays
N : 安装孔个数 N : Number of mounting holes

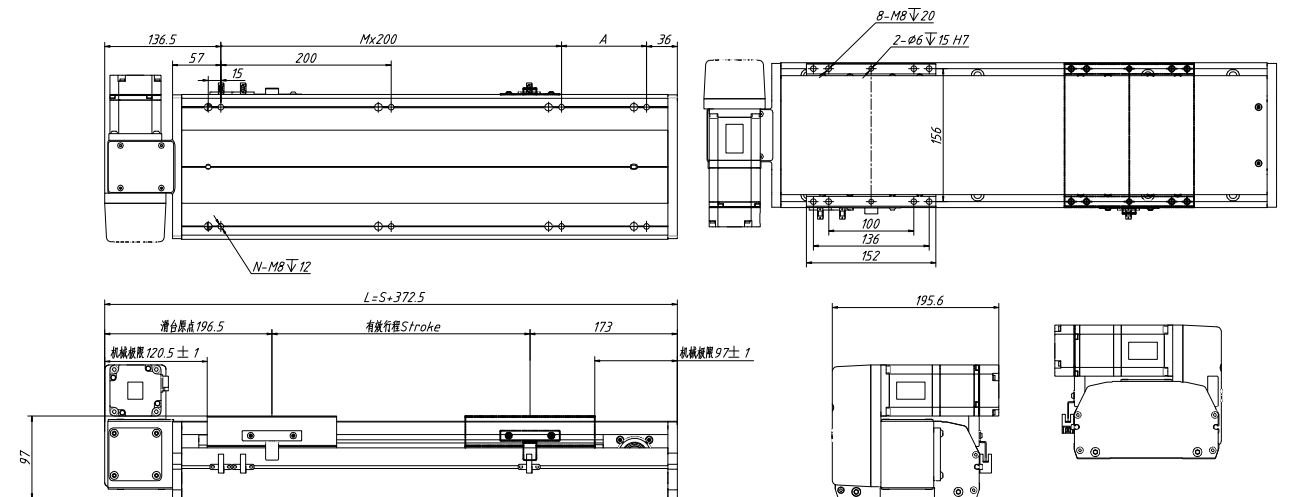


行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
模组总长[mm] Linear Guide Total Length	541.5	641.5	741.5	841.5	941.5	1041.5	1141.5	1241.5	1341.5	1441.5	1541.5	1641.5	1741.5	1841.5	1941.5	2041.5	2141.5	2241.5
重量[kg] Weight	11.1	12.5	13.9	15.4	16.8	18.2	19.6	21.0	22.5	23.9	25.3	26.7	28.1	29.6	31.0	32.4	33.8	35.2
行程[mm] Stroke	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	
模组总长[mm] Linear Guide Total Length	2341.5	2441.5	2541.5	2641.5	2741.5	2841.5	2941.5	3041.5	3141.5	3241.5	3341.5	3441.5	3541.5	3641.5	3741.5	3841.5	3941.5	
重量[kg] Weight	36.7	38.1	39.5	40.9	42.3	43.8	45.2	46.6	48.0	49.4	50.9	52.3	53.7	55.1	56.5	58.0	59.4	

备注：螺母安装数量 会以长度不同而变化，以实际为准。 The installation length of nut shall be subject to the actual situation

LU 电机左上折 MOTOR LEFT UPPER SIDE

A : 尾部相邻孔间距 A : Distance between adjacent holes in tail
M : 阵列数 M : Number of arrays
N : 安装孔个数 N : Number of mounting holes

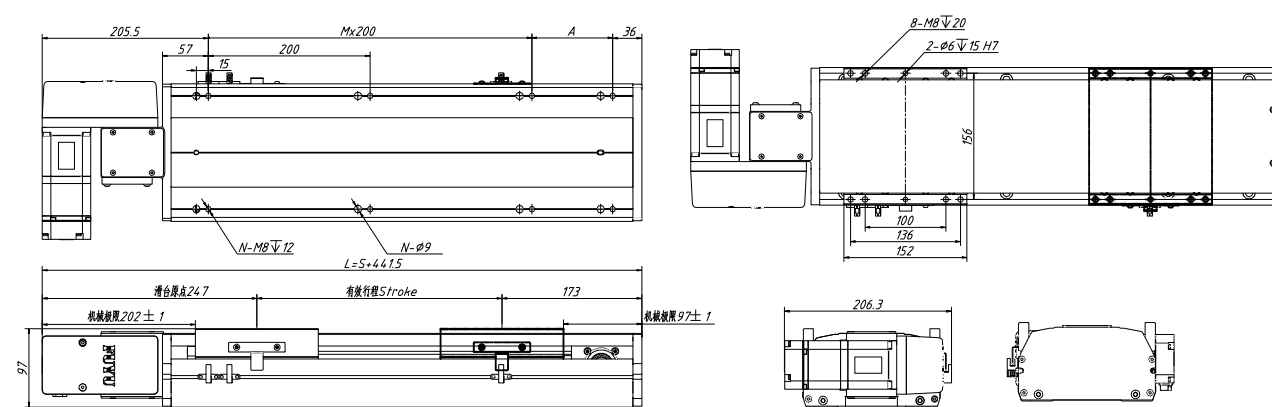


行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
模组总长[mm] Linear Guide Total Length	472.5	572.5	672.5	772.5	872.5	972.5	1072.5	1172.5	1272.5	1372.5	1472.5	1572.5	1672.5	1772.5	1872.5	1972.5	2072.5	2172.5
重量[kg] Weight	11.1	12.5	13.9	15.4	16.8	18.2	19.6	21.0	22.5	23.9	25.3	26.7	28.1	29.6	31.0	32.4	33.8	35.2
行程[mm] Stroke	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	
模组总长[mm] Linear Guide Total Length	2272.5	2372.5	2472.5	2572.5	2672.5	2772.5	2872.5	2972.5	3072.5	3172.5	3272.5	3372.5	3472.5	3572.5	3672.5	3772.5	3872.5	
重量[kg] Weight	36.7	38.1	39.5	40.9	42.3	43.8	45.2	46.6	48.0	49.4	50.9	52.3	53.7	55.1	56.5	58.0	59.4	

备注：螺母安装数量 会以长度不同而变化，以实际为准。 The installation length of nut shall be subject to the actual situation

BR 电机右折 MOTOR RIGHT SIDE

A : 尾部相邻孔间距 A : Distance between adjacent holes in tail
M : 阵列数 M : Number of arrays
N : 安装孔个数 N : Number of mounting holes

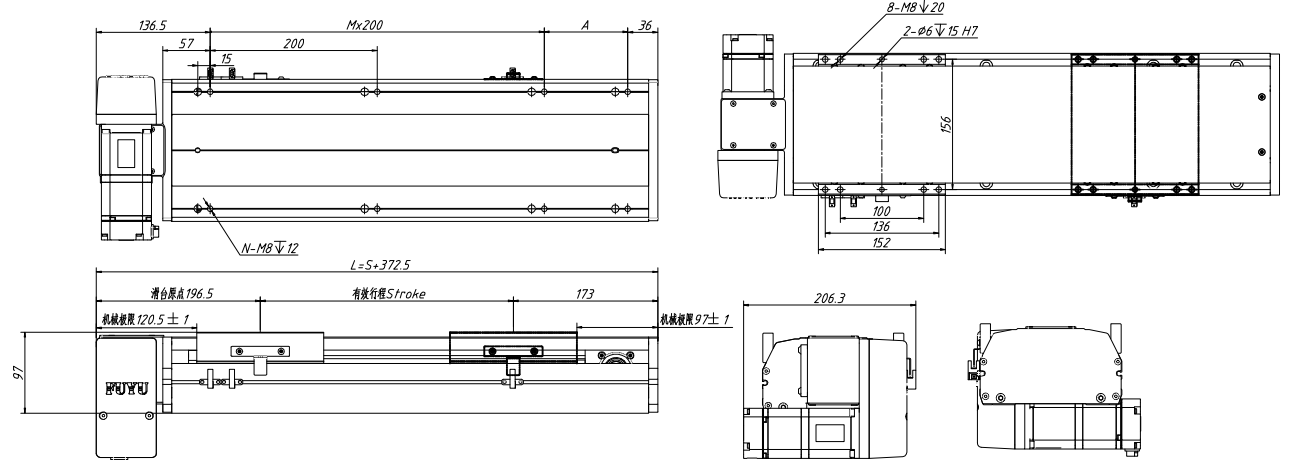


行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
模组总长[mm] Linear Guide Total Length	541.5	641.5	741.5	841.5	941.5	1041.5	1141.5	1241.5	1341.5	1441.5	1541.5	1641.5	1741.5	1841.5	1941.5	2041.5	2141.5	2241.5
重量[kg] Weight	11.1	12.5	13.9	15.4	16.8	18.2	19.6	21.0	22.5	23.9	25.3	26.7	28.1	29.6	31.0	32.4	33.8	35.2
行程[mm] Stroke	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	
模组总长[mm] Linear Guide Total Length	2341.5	2441.5	2541.5	2641.5	2741.5	2841.5	2941.5	3041.5	3141.5	3241.5	3341.5	3441.5	3541.5	3641.5	3741.5	3841.5	3941.5	
重量[kg] Weight	36.7	38.1	39.5	40.9	42.3	43.8	45.2	46.6	48.0	49.4	50.9	52.3	53.7	55.1	56.5	58.0	59.4	

备注：螺母安装数量 会以长度不同而变化，以实际为准。 The installation length of nut shall be subject to the actual situation

RD 电机右下折 MOTOR RIGHT LOWER SIDE

A : 尾部相邻孔间距 A : Distance between adjacent holes in tail
M : 阵列数 M : Number of arrays
N : 安装孔个数 N : Number of mounting holes



行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
模组总长[mm] Linear Guide Total Length	472.5	572.5	672.5	772.5	872.5	972.5	1072.5	1172.5	1272.5	1372.5	1472.5	1572.5	1672.5	1772.5	1872.5	1972.5	2072.5	2172.5
重量[kg] Weight	11.1	12.5	13.9	15.4	16.8	18.2	19.6	21.0	22.5	23.9	25.3	26.7	28.1	29.6	31.0	32.4	33.8	35.2
行程[mm] Stroke	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	
模组总长[mm] Linear Guide Total Length	2272.5	2372.5	2472.5	2572.5	2672.5	2772.5	2872.5	2972.5	3072.5	3172.5	3272.5	3372.5	3472.5	3572.5	3672.5	3772.5	3872.5	
重量[kg] Weight	36.7	38.1	39.5	40.9	42.3	43.8	45.2	46.6	48.0	49.4	50.9	52.3	53.7	55.1	56.5	58.0	59.4	

备注：螺母安装数量 会以长度不同而变化，以实际为准。 The installation length of nut shall be subject to the actual situation

二轴直角坐标机器人

TWO-AXIS CARTESIAN COORDINATE ROBOT



通用性强
VERSATILITY

二轴直线模组通用性组装方案，可将直线运动提升为二维空间运动，大幅提升使用便利性，并有效减少客户的设备组装工时，适合重负载和高速度。

The universal assembly scheme of the two-axis linear module can promote linear motion into two-dimensional space motion, greatly improve the convenience of use, and effectively reduce the customer's equipment assembly man-hours, designed for heavy load and high speed usage scenarios.

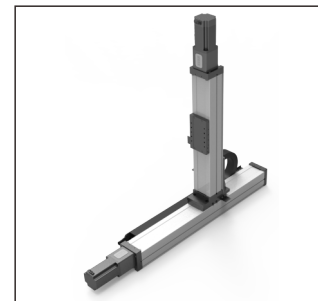
技术特点 TECHNICAL FEATURES

1.可选配件 OPTIONAL ACCESSORIES

电源、驱动、限位开关、控制器、连接板、拖链

Power supply, drive, limit switch, controller, connection board, drag chain

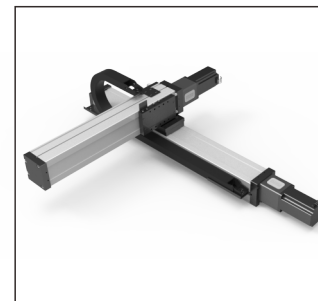
2.二轴结构 APPLICATION AREA



XY-T型直线模组
XY-T LINEAR MODULE



XY-S型直线模组
XY-S LINEAR MODULE



XY-X型直线模组
XY-X LINEAR MODULE

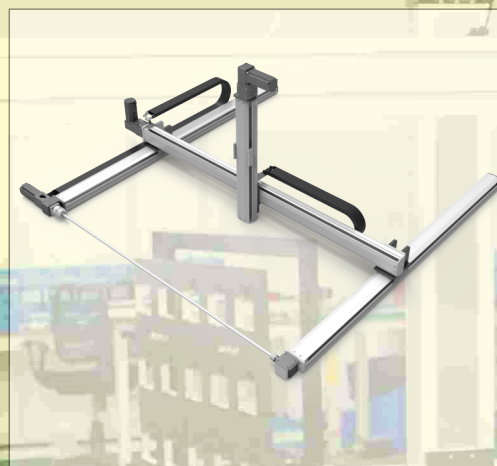


XY-H1 直线模组
XY-H1 LINEAR MODULE



XY-H2 直线模组
XY-H2 LINEAR MODULE

三轴直角坐标机器人 THREE-AXIS CARTESIAN COORDINATE ROBOT



通用性强
VERSATILITY

三轴直线模组通用性组装方案，可将直线运动提升为平面或曲线运动，大幅提升使用便利性，并有效减少客户的设备组装工时。

The universal assembly scheme of the three-axis linear module can promote linear motion to planar or curved motion, greatly improve the convenience of use, and effectively reduce the customer's equipment assembly man-hours.

技术特点 TECHNICAL FEATURES

1. 可选配件 OPTIONAL ACCESSORIES

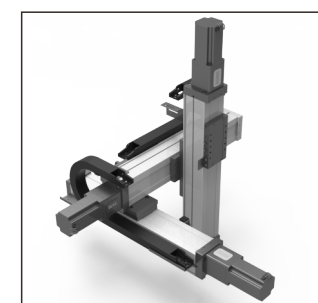
电源、驱动、限位开关、控制器、连接板、拖链

Power supply, drive, limit switch, controller, connection board, drag chain

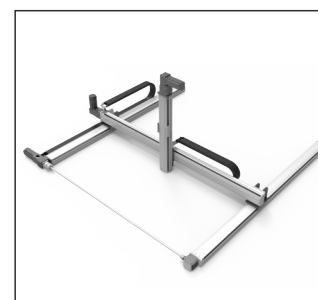
2. 三轴结构 APPLICATION AREA



XYZ-T型直线模组
XYZ-T LINEAR MODULE

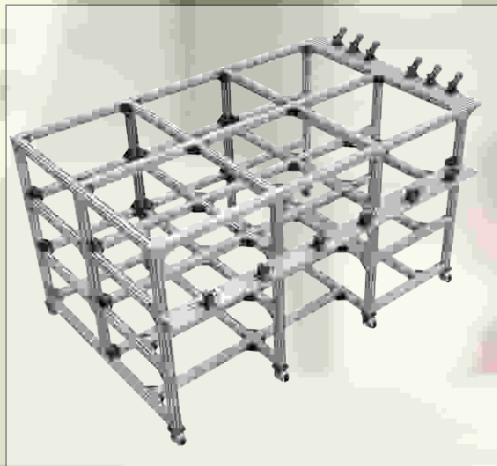


XYZ-X型直线模组
XYZ-X LINEAR MODULE



XYZ-L型直线模组
XYZ-L LINEAR MODULE

定制工作台 CUSTOM WORKBENCH



高刚性 耐腐蚀 HIGH RIGIDITY AND CORROSION RESISTANCE

福誉工作台，拥有丰富多样的铝型材，可以无缝融入支撑型材的高质量外观，特殊铝色涂层增强了您的应用系统的整体外观，适用于组装应用、商业展会、生产应用或模组工作台等搭建等其他领域，所有组件均耐用耐腐蚀。

Fuyu Workbench, with a wide variety of aluminum profiles, can seamlessly integrate into the high quality appearance of the support profile. The special aluminum color coating enhances the overall appearance of your application system. It is suitable for assembly applications, trade shows, production applications or molds and other areas such as group work benches. All components are durable and corrosion resistant.

技术特点 TECHNICAL FEATURES

1. 可选型材 OPTIONAL ACCESSORIES

产品材质6061/6063，可分为40x40、40x60、40x80三种尺寸。
Materials is 6061/6063 and can be divided into three sizes: 40x40, 40x60, 40x80

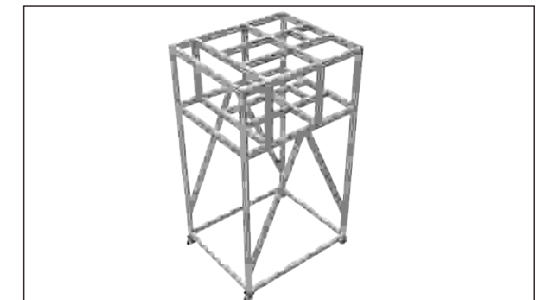
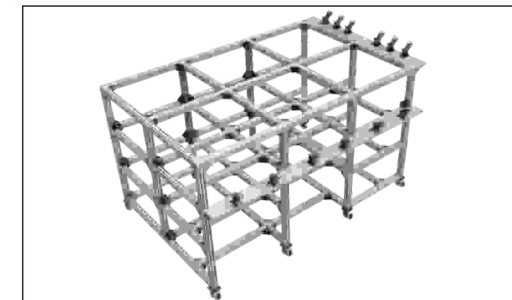
2. 型材特点 LOAD SCHEDULE

抗腐蚀性/Corrosion resistance
电导率/Conductivity
热导量率/Thermal conductivity rate
非铁磁性/Non-ferromagnetic
可机加工性/Machinability
可成形性/Formability

3. 应用范围 APPLICATION AREA

主要无尘车间或电子类、医疗器材设备等特殊要求的领域，如贴膜、贴息、IC打印、CCD在线检测、焊锡自动化设备精准定位检测、激光加（激光切割/激光打标/激光雕刻/激光钻孔等）精密装配、精密机床、半导体生产设备、定位检测、电子生产设备等领域。

Mainly in the areas of special requirements such as clean room or electronics, medical equipment, etc., such as film, coupon, IC printing, CCD on-line detection, precise positioning detection of solder automation equipment, laser (laser cutting/laser marking/ Laser engraving/laser drilling, etc.) precision assembly, precision machine tools, semiconductor production equipment, location detection, electronic production equipment, printing equipment.



控制类产品

SIMPLE OPERATION
EXCELLENT PERFORMANCE



操作简单 性能优异

SIMPLE OPERATION AND EXCELLENT PERFORMANCE

采用ARM为其CPU核心控制单元，提供更高效的运动控制算法，使其控制性能更优秀。

it takes ARM as its CPU core controlling unit, provide more efficient motion controlling algorithm, make its controlling performance more excellent

技术特点 TECHNICAL FEATURES

1.可选控制器 OPTIONAL CONTROLLER

单轴控制器、三轴控制器、触摸屏、FIC步进电机驱控一体控制器
single axis controller, three axis controller, touch screen

2.产品特点 LOAD SCHEDULE

三轴直线点位运动/往复运动、实现程序循环/到点延时、带四路输出口，可利用开关量信号，可外接开关量信号、内嵌三个基本程序、运动参数写入/修改
Three axis linear point motion / reciprocating motion, program cycle / arrival delay, with four output ports, switch signal can be used, switch signal can be external, three basic programs can be embedded, motion parameters can be written / modified

3.应用范围 APPLICATION AREA

主要应用于单轴及多轴控制器,用以驱动模组执行运动。
It is mainly used in single axis and multi axis controller to drive the module to perform movement.



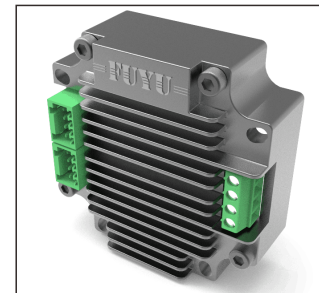
FSC-2A 控制器
FSC-2A CONTROLLER
»»P103



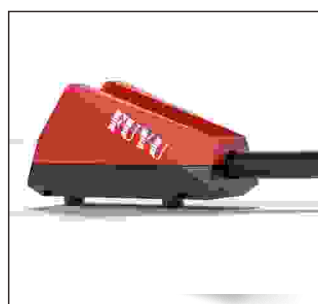
FMC-4030 控制器
FMC-4030 CONTROLLER
»»P104



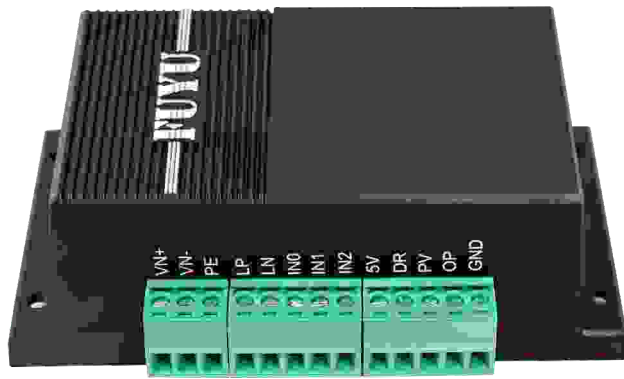
FMC4030 触摸屏
FMC-4030 TOUCH SCREEN
»»P105



FIC驱控一体控制器
FIC DRIVE CONTROL
INTEGRATED CONTROLLER
»»P106



FPS-1A限位开关
FPS-1A-LIMIT SWITCH
»»P107



FSC-2A
| 单轴运动控制器

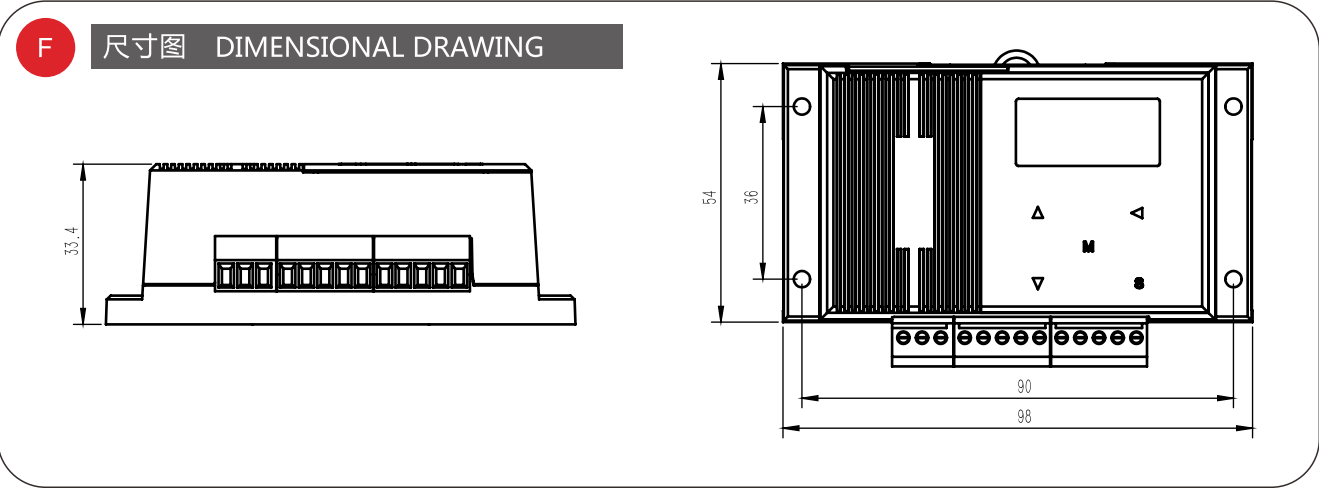
FSC-2A采用ARM Cortex-M3内核处理器，能够对步进电机、伺服电机的速度及距离进行精准控制，并搭载可显运动参数数码管及可调参数按键，控制方式可支持蓝牙链接及遥控操作。

FSC-2A take ARM Cortex-M3 core processor, can realized precise controlling on speed and distance of stepper motor,servo motor, and equiped displayable motion parameter digital tube and adjustable parameter button, controlling method supports buletooth connection and remote controlling operation

FSC-2A 单轴运动控制器-技术参数
FSC-2A-TECHNICAL PARAMETER

TECHNICAL PARAMETER	型号 Type	FSC-2A
	供电方式 Power Supply Mode	DC24V供电(Supplied with DC24V)
	功耗 Power Consumption	小于7.2W(Lower than 7.2w)
	控制轴数 Number of Axes	单轴(Single-axis)
	可输出脉冲频率 Frequency of Pulse	50HZ~200kHz
	脉冲输出方式 Pulse Output Mode	脉冲+方向 (Pulse + Dir)
	加速度模式 Acceleration Mode	梯形加减速(Trapezium AC/DE)
	总线拓展 Bus Extension	暂不支持 (Not Supported Yet)
	软件操作系统 System	Android 9.0 内存2G以上(With More Than 2GB Storage)

FSC-2A 单轴运动控制器-尺寸图
FSC-2A-DIMENSIONAL DRAWING



FMC4030
| 三轴控制器

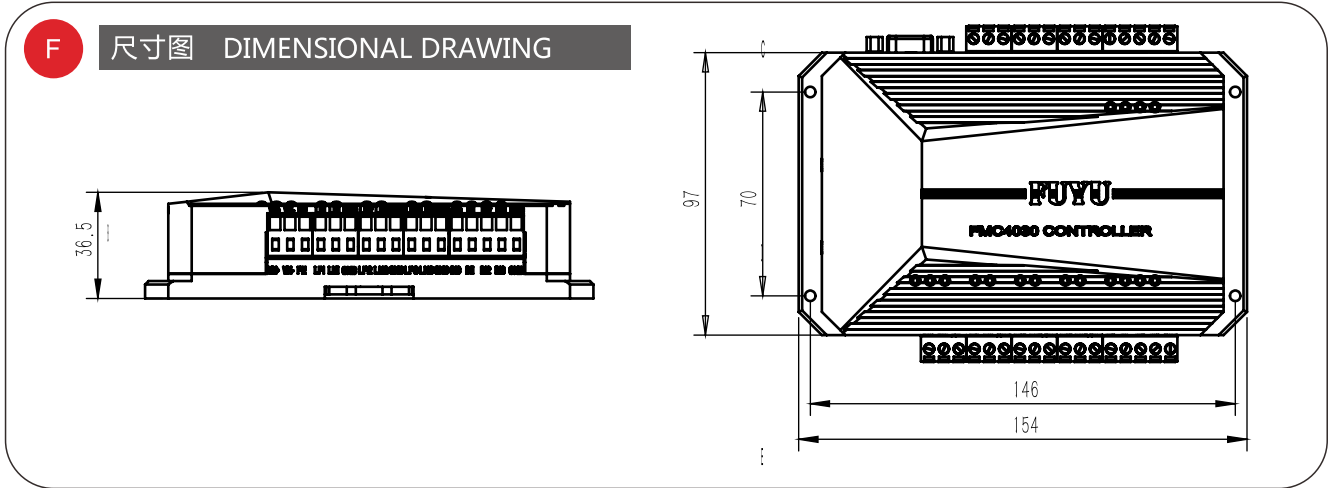
FMC4030控制器属于脉冲型控制器，采用32位ARM芯片作为控制器主控，各轴输出频率高达200KHz，内部集成脉冲计数功能，可实现精准的步进电机或伺服电机位置控制及速度控制。

FMC4030 controller is a kind of pulse type controller, take 32 bit ARM chip as main control of the controller, each axis output frequency reach 200KHz, pulse counting function intergrated, can realized accurate controlling of position and speed controlling for stepper motor or servo motor

FMC4030 三轴控制器-技术参数
FMC4030-TECHNICAL PARAMETER

TECHNICAL PARAMETER	型号 Type	FMC4030
	供电方式 Power Supply Mode	24v
	控制器重量 Weight	300g
	控制轴数 Number of Axes	三轴(Triaxial)
	外部控制模式 Operation mode	网口、串口
	马达解析度 Motor resolution	10000
	动作控制模式 Motion control mode	手动、自动、程序(Manual, automatic, program)
	原点复归方式 Homing method	回零(Return to zero)
	通讯 Communication	网口、232、485

FMC4030 三轴控制器-尺寸图
FMC4030-DIMENSIONAL DRAWING





FMC4030 3-axis touch screen
| FMC4030三轴触摸屏

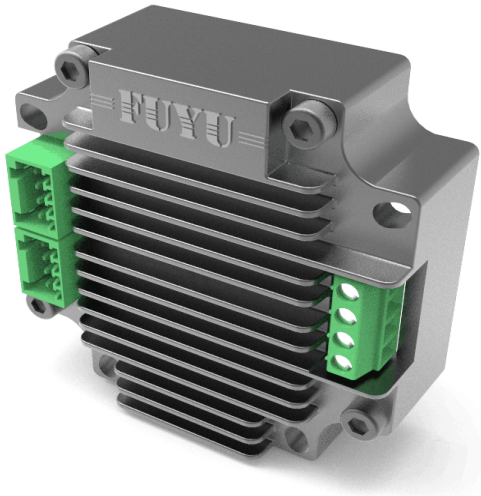
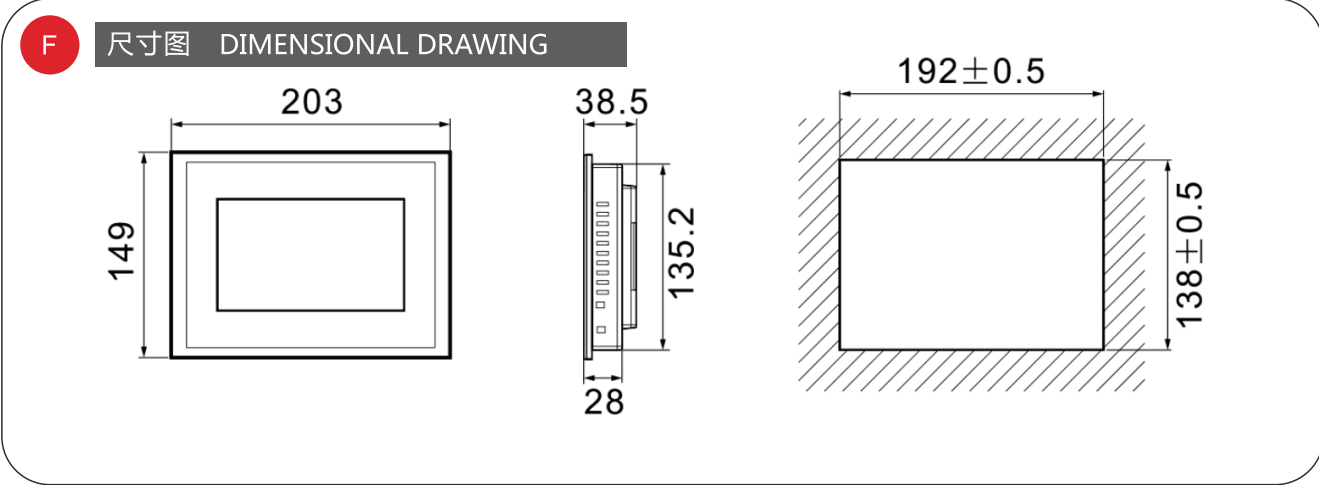
客户在使用我们的FMC4030三轴运动控制器的基础上，搭配该通用触摸屏使用时，可实现脱机完成手动，半自动控制的运动功能。设计初衷即是为了方便客户操作FMC4030运动控制器，为脱机使用控制器提供一种有效的解决办法。

The FMC4030 motion controller is a universal economical 3-axis motion controller introduced by Chengdu FUYU Technology Co., Ltd. It uses ARM as its CPU core control unit and adopt more efficient motion control algorithms to make its control performance better.

FMC4030 三轴运动控制器-技术参数
FMC4030-TECHNICAL PARAMETER

TECHNICAL PARAMETER	型号 Type	FMC4030
	CPU主板 CPU board	以cortex-A8 CPU为核心，主频1GHz
	触摸屏 touch screen	四线电阻式(Four wire resistance type)
	内存 Memory	512DDR3
	存储设备 storage device	128M FLASH、4G扩展存储
	接口 Interface	2xRS232、1xRS232/485、1xRS485、2xUSB、1xLAN
	电源 Power Supply	DC24V/30W
	重量 weight	6.1kg

FMC4030 三轴运动控制器-尺寸图
FMC4030-DIMENSIONAL DRAWING



FIC Drive Controller
| FIC驱控器

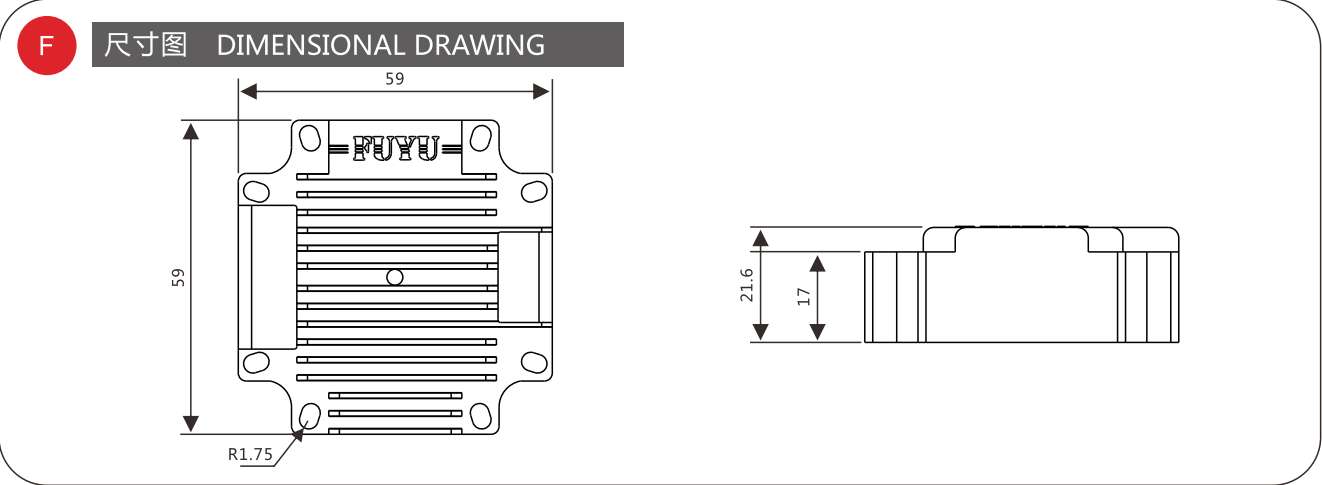
FIC步进电机驱控一体控制器，采用32位高性能ARM内核芯片，能够对57步进电机的速度及转动位置精准的控制，自带步进电机驱动，最大可输出电流4A，支持最大32细分，能够实现步进电机精准平顺的控制。

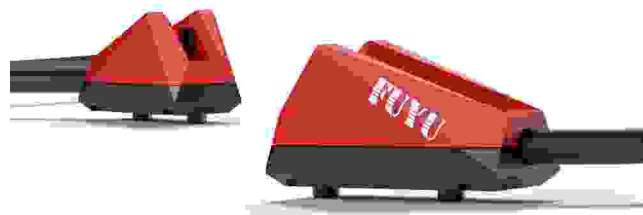
FIC stepper motor drive and control integrated controller, using 32-bit high-performance ARM core chip, can accurately control the speed and rotation position of 57 stepper motors, with stepper motor drive, maximum output current 4A, support maximum 32 Subdivision can achieve precise and smooth control of the stepper motor.

FIC 驱控器-技术参数
FIC-TECHNICAL PARAMETER

TECHNICAL PARAMETER	型号 Type	FIC
	控制轴数 Number of controlled axis	1
	可对应系列 Compatible product series	57步进电机
	控制器重量 Weight	350g
	外部控制模式 Operation mode	can总线
	马达解析度 Motor resolution	6400
	动作控制模式 Motion control mode	点位控制(Point control)
	原点复归方式 Homing method	限位回零(Return to zero)
	通讯 Communication	CAN总线

FIC 驱控器-尺寸图
FIC-DIMENSIONAL DRAWING





FPS-1A-limit switch

| FPS-1A限位开关

客户在使用我们的FSK30J直线模组时，搭配该限位开关使用时，接线安全、方便、占用空间小；并且分为PNP和NPN2种形式。设计初衷即是为了方便客户操作FSK30J模组，为限位使用提供一种有效的解决办法。

When customers use our FSK30J linear module with this limit switch, the wiring is safe, convenient, and occupies a small space; and there are two forms of PNP and NPN. The original intention of the design is to facilitate customers to operate the FSK30J module and to provide an effective solution for limited use.

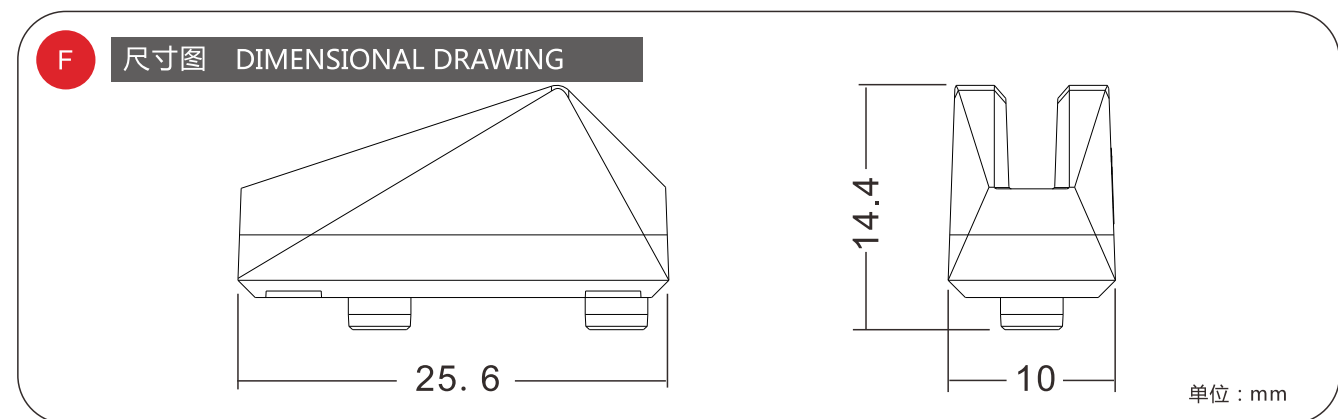
FPS-1A 限位开关-技术参数

FPS-1A-ELECTRICAL PARAMETERS

TECHNICAL PARAMETER	型号 Type	FPS-1A-NPN-ON		FPS-1A-PNP-ON
	供电电压 Supply voltage	12~24	V	±10%
	供电功耗 Power consumption	< 0.5	W	空载
	接口最大负载电流 Maximum load current	30	mA	空载
	过载保护 Overload protection	30	mA	
	短路保护 Short-circuit protection	有	W	撤销短路情况，功能可恢复 Cancel the short circuit condition the function can be restored
	防反接保护 Anti-reverse protection	有	mA	
	静电放电抗扰度 Electrostatic discharge immunity(ESD)	空气±15 接触±4	KV	GB/T 17626.2-2018/IEC 61000-4-2:2008 所有接口
	工作温度 weight	-20~60	℃	

FPS-1A 限位开关-尺寸图

FPS-1A-DIMENSIONAL DRAWING



Electrical cabinet

| 电控柜

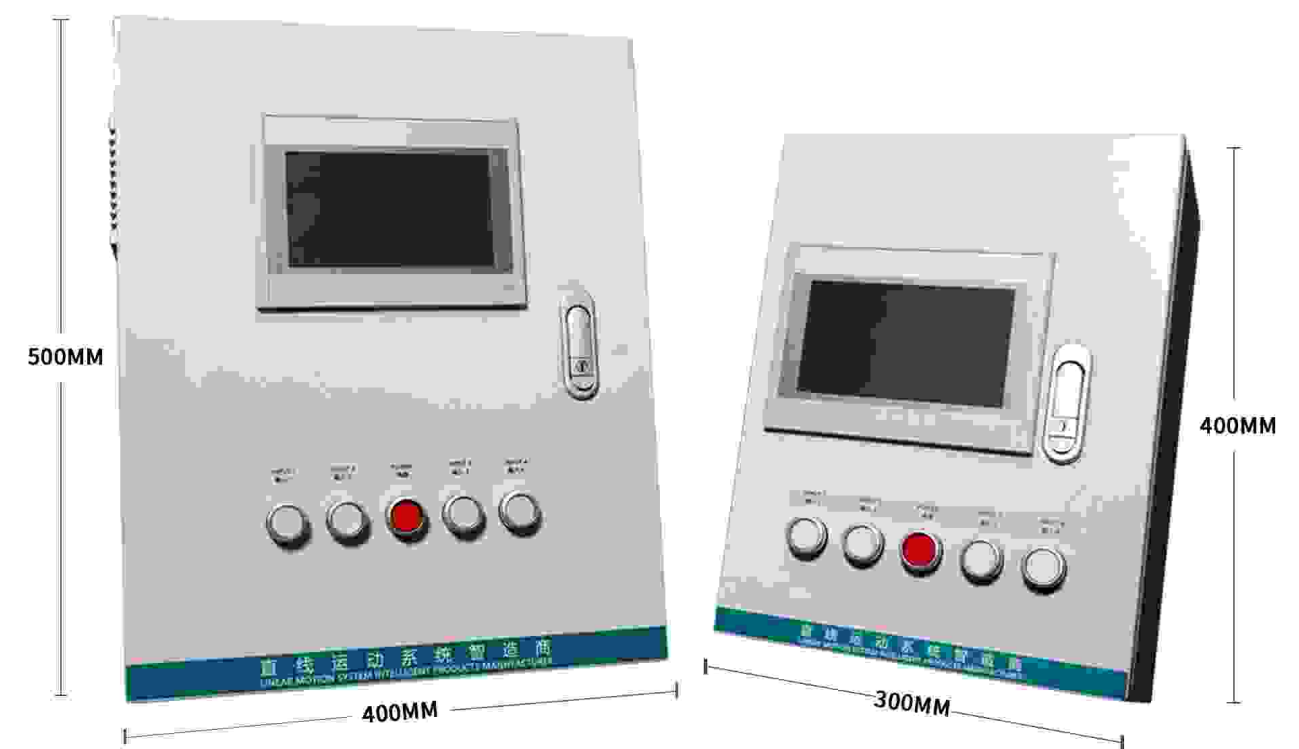
福誉科技电控柜整合了驱动、控制、电源等，保障客户便捷使用，采用一体控制，能有效保障客户接线及使用过程简单便捷。

The electrical cabinet of FUYU integrates driver, controller, power supply, etc., To ensure convenient use by customers, and the use of integrated control can effectively ensure that customers' wiring and use process are simple and convenient.

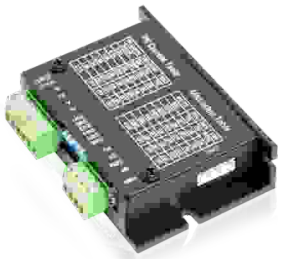
电控柜-技术参数

Electrical cabinet-TECHNICAL PARAMETER

TECHNICAL PARAMETER	产品名称 Product Name	尺寸 size	适用驱动 Applicable driver	开关电源 power supply
	电气控制柜（小） Electrical cabinet(small)	300*400*200mm	FMDD36D22NOM FMDD50D40NOM	350W
	电气控制柜（大） Electrical cabinet(big)	400*500*250mm	FMDT220A42NOM ASD-B2-0421-B ASD-B2-0721-B	100W



驱动器 driver



FMDD36D22NOM

高有8档等角度恒力矩细分
最高分辨率6400步/转
最高响应频率可达200Kpps
光电隔离信号输入/输出

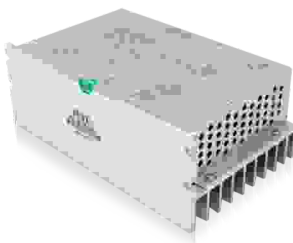
驱动器 driver



FMDD50D40NOM

采用DSP数字信号处理器
实现精确定位控制
运行平稳，震动和噪音极小
拨码开关设置，简单易用
铝合金外壳，经久耐用

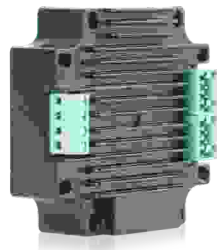
驱动器 driver



FMDT220A42NOM

新一代32位DSP控制技术
最高脉冲响应频率可达400KHz
根据不同型号电机选择参数
灵活匹配上位机的脉冲控制方式

控制器 Controller



FIC步进电机驱控一体

性价比高
安装便捷
减少电机振动

开关电源 Limit Switch



LRS-100W-24

全范围交流输入
保护短路/过负载/过电压
自然风冷
体积小，1U低外型

开关电源 Limit Switch



LRS-350W-24

交流输入范围通过开关切换
保护短路/过负载/过电压/过温度
内有直流风扇强制风冷
具有风扇开/关控制

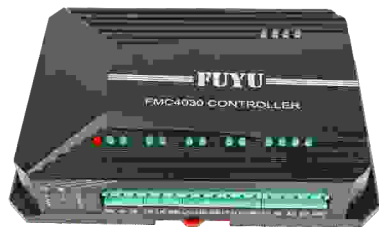
控制器 Controller



FSC-2A单轴控制器

蓝牙/遥控/移动设备
参数设置
位置控制
输出隔离

控制器 Controller



FMC4030三轴控制器

实现回零运动
三轴直线点位运动/往复运动
实现程序循环/到点延时

控制器 Controller



FMC4030触摸屏

稳定可靠
性价比高
使用寿命长
进行手动/半自动操作功能

光电开关

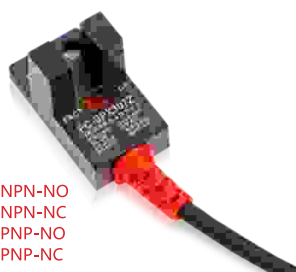


※备注可选
FPS-1A-NPN-ON
FPS-1A-PNP-ON

FPS-1A 限位开关

高性能检测、低价位
结构小巧、占用空间少
多型号可选，直接控制输出
清晰可见的LED指示灯

光电开关 PHO



※备注可选
FY-SPX307-NPN-NO
FY-SPX307-NPN-NC
FY-SPX307-PNP-NO
FY-SPX307-PNP-NC

FY-SPX307光电开关

使用简单的导线引出线
不受外来光干扰影响的变调光型
导线可任意加长
具备防水、防油、防尘等功能

接近开关 SQ



※备注可选
SN04-NPN-NO
SN04-NPN-NC
SN04-PNP-NO
SN04-PNP-NC

SN04-N接近开关

高性能检测、低价位
全短路保护、电源反接保护
多型号可选，直接控制输出
清晰可见的LED指示灯

按钮开关 BS



SN04-N

LED发光
金属材质
IP67等级防水
轻松按压

伺服电机 servo motor



400W

精度高
可控性强
响应迅速

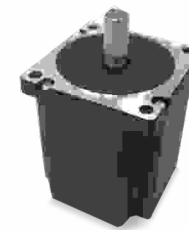
伺服电机 servo motor



750W

精度高
可控性强
响应迅速

步进电机 stepper motor



8698

电能转换成机械能的效率高
发热量较低
性价比高

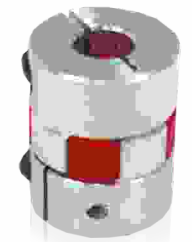
步进电机 stepper motor



86128

电能转换成机械能的效率高
发热量较低
性价比高

联轴器 coupler



FLK8-2025-0508

中间弹性体为聚氨酯材
质，可吸收振动，补偿
径向，角向和轴向偏差。

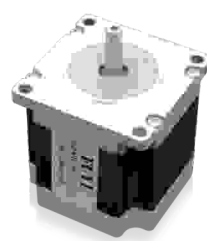
步进电机 stepper motor



4248

电能转换成机械能的效率高
发热量较低
性价比高

步进电机 stepper motor



5756

电能转换成机械能的效率高
发热量较低
性价比高

步进电机 stepper motor



60102

电能转换成机械能的效率高
发热量较低
性价比高

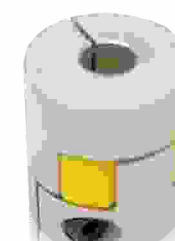
联轴器 coupler



FLK8-2025-0808

抗油与电气绝缘
顺时针和逆时针使用特
性完全相同

联轴器 coupler



FLK20-3035-0810

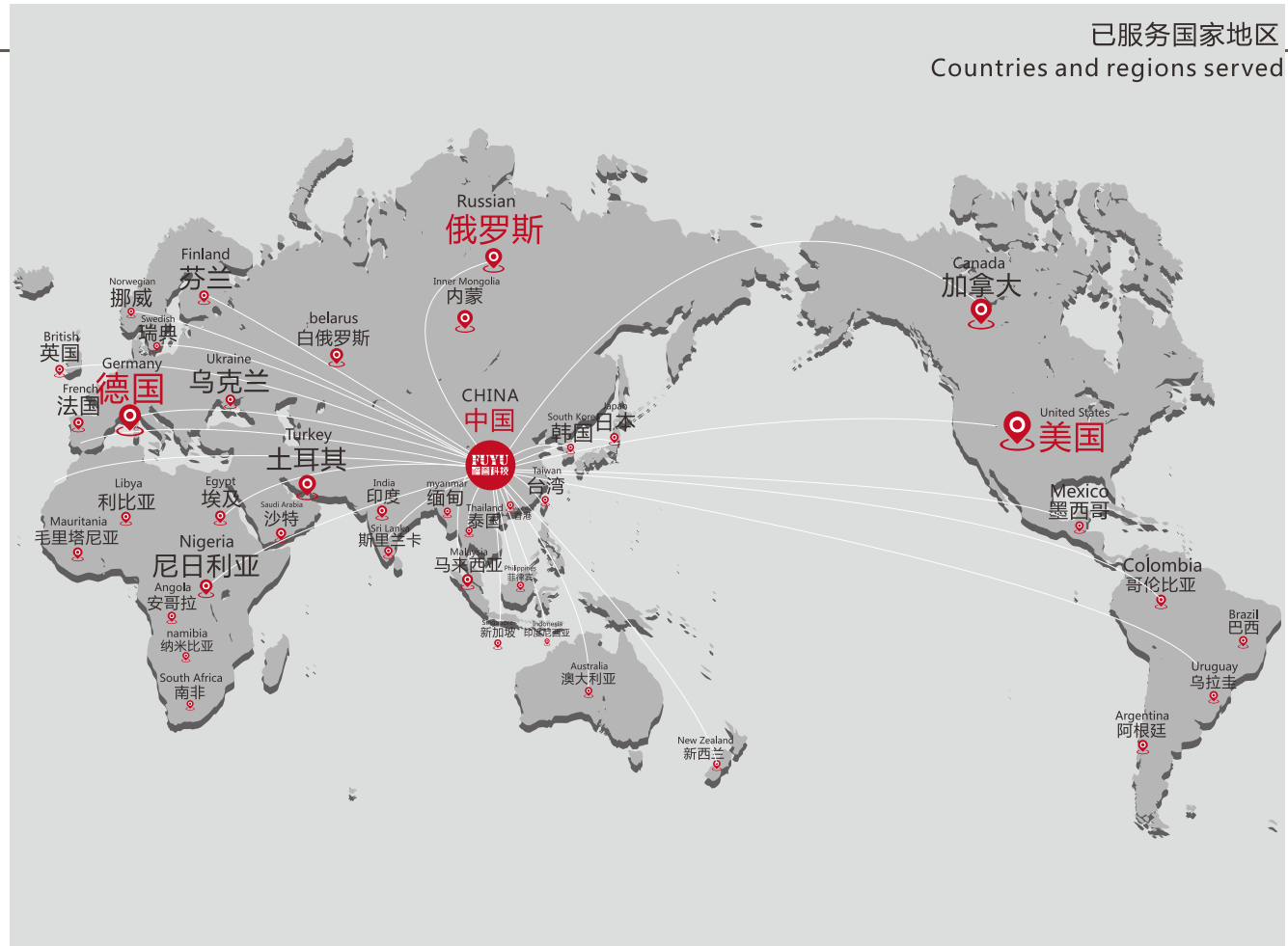
夹紧式有键槽的连接的动力
传动，摩擦夹紧力矩避免或
减少正反转的齿隙，也减少
了键槽的表面应力，可适合
正反转使用。

联轴器 coupler



FLK20-3035J-1014

常用于伺服电机，步进电
机联接，数控机床设备上
使用等



售后服务

SALES AND SERVICES

感谢您在无数品牌中选择福誉科技产品,用我们的真诚,产品的质量,全心全意的服务,严谨的配送体系,用心的售后,助力您的成功,期待携手同行!

Thank you very much for choose FUYU products from many brands,we'll do favour to your success with our sincere, product's good quality, whole-heartedly, strict delivery system, perfect after-sale service, looking forward to grow together.



PRE-SALE TECHNOLOGY

售前技术

您可以自行设计,或告诉我们您的技术需求并委托我们设计技术方案,随后我们将根据技术方案,在双方约定的时间内,完成生产、调试和交付。

You can design by yourself or tell us your technical requirements and we will give you're a technical solution. Then we will complete the production, testing and delivery according to the technical plan within the time agreed by both parties.

技术支持电话 : 400-800-2581/19940597785
技术支持邮箱 : yangwj@fuyuautomation.com
Technical Support Tel:400-800-2581/19940597785
Technical support email:yangwj@fuyuautomation.com

产品设计

专业的技术团队从一开始就为您提供支持

- 技术建议
- 基于最新技术标准的专业指导
- 系统运行解决方案

Product design

Professional technical team supports you from the very beginning

- Technical advice
- Professional guidance based on the latest technical standards
- Design system solution



SERVICE
售后服务

用户从我们公司购买的产品，均享受保修期服务。在此期间，我们将为您提供技术咨询服务，产品使用视频教学，更换零部件,远程故障排除等免费服务。在保修期结束后，我们将继续为您提供免费技术咨询和其他有偿技术服务。

The products purchased by users from our company are all covered by the warranty service. During this period, our company will provide you with free telephone consultation services, video teaching, free replacement of parts and components, and remote troubleshooting. After the end of the warranty period, we will continue to provide technical consultation and other paid tech services.

售后服务电话：+86-19983055735/19940597791
售后服务邮箱：zjl@fuyuautomation.com

After-sales service Tel: +86-19983055735/19940597791
Service Email: zjl@fuyuautomation.com

*详见售后服务条款

使您可以专注于您的核心业务，是福誉长期不懈努力的方向

让我们在各自擅长的领域合作共赢！

Make you can insist on your core business is the direction of FUYU long terms unremitting efforts

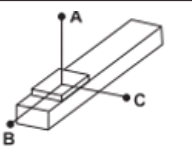
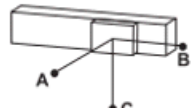
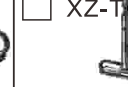
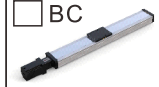
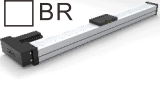
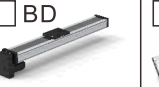
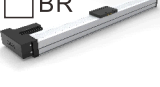
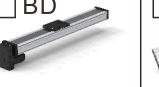
Let's win and cooperate in the fileds we are good at!

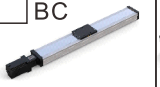
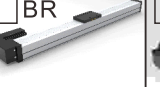
想了解更多服务的更多信息？
请咨询我们！

Want to learn more about our services?
Please consult us!

福誉科技单轴规格选型表
FUYU Multi-axis Actuator Inquiry Sheet

客户名称 YOU NAME		填表日期 REGISETER DATE		填表人 REGISETER PERSON					
需求 NEEDS	行程 Stroke (mm)								
	速度 Speed(mm/s)								
	☐ 水平 ☐ 垂直 ☐ 壁挂负载 Payload (kg)								
	重复精度 Reoeatability Accuracy (mm) ±0.1 ☐ ±0.05 ☒ ±0.02 ☐								
	容许负载力 Work piece Moment (mm)								
	A	B	C	A	B	C	A	B	C
马达品牌 MOTOR BRAND				型号 MOTOR MODEL NO					
马达组合方式 MOTOR COMBINATION METHOD	丝杆系列 Ball Screw	☐ BC	☐ BR	☐ BL	☐ BD	☐ M			
	同步带系列 belt	☐ L	☐ LD	☐ LU	☐ L-C				
		☐ R	☐ RD	☐ RU	☐ R-C				
感应器 安装方式 Sensor Connect Method	☐ 内置 Inside				☐ 外挂 Outside				
应用 application	视觉应用 CCD Testing	位置测试 Position Test		图面 Figure					
		移动测试 Moving Test							
	☐ 加工机 Processing Work								
	☐ 锁螺丝机使用 Screw Fastening								
☐ 点胶机使用 Dispenser									
☐ 其他使用 Other									
使用环境 Usage Environment	☐ 无尘室 (无尘等级)	Class10	Class100	Class1000	备注Remarks				
	☐ 一般环境 General Environmen								
设备 Equipment For	☐ 量产机 Mass Production				☐ 测试机 Trianl Run				
备注Remarks									

福誉科技多轴规格选型表 FUYU MULTI-AXIS ACTUATOR INQUIRY SHEET												
客户名称 YOU NAME				填表日期 REGISETER DATE				填表人 REGISETER PERSON				
需求 NEEDS	行程 Stroke (mm)											
	速度 Speed(mm/s)											
	☐ 水平 ☐ 垂直 ☐ 壁挂负载 Payload (kg)											
	重复精度 Reoeatability Accuracy (mm) ±0.1 ☐ ±0.05 ☐ ±0.02 ☐											
	容许负载力 Work piece Moment (mm)											
		A	B	C	A	B	C	A	B	C		
马达品牌 MOTOR BRAND				型号 MOTOR MODEL NO								
组合类型 COMBINATION TYPES	丝杆系列 Ball Screw	☐ XY-S 	☐ XY-X 	☐ XY-H1 	☐ XY-H2 	☐ XZ-T 						
		☐ XYZ-L 										
	同步带系列 belt	☐ XY-H1 	☐ XY-H2 	☐ XYZ-L 								
如选用单导轨模组，建议增加辅助轴。 If single guide rail module is selected, support is suggested to add.												
马达组合 方式 MOTOR COMBINATION METHOD	X Axis	丝杆系列 Ball Screw	☐ BC 	☐ BR 	☐ BL 	☐ BD 	☐ M 					
		同步带 系列 belt	☐ L 	☐ LD 	☐ LU 	☐ L-C 						
			☐ R 	☐ RD 	☐ RU 	☐ R-C 						
	Y Axis	丝杆系列 Ball Screw	☐ BC 	☐ BR 	☐ BL 	☐ BD 	☐ M 					
		同步带 系列 belt	☐ L 	☐ LD 	☐ LU 	☐ L-C 						
			☐ R 	☐ RD 	☐ RU 	☐ R-C 						

马达组合 方式 MOTOR COMBINATION METHOD	Z Axis	丝杆系列 Ball Screw	☐ BC 	☐ BR 	☐ BL 	☐ BD 	☐ M 
		同步带 系列 belt	☐ L 	☐ LD 	☐ LU 	☐ L-C 	
			☐ R 	☐ RD 	☐ RU 	☐ R-C 	
感应器 安装方式 Sensor Connect Method	☐ 内置 Inside				☐ 外挂 Outside		
应用 application	视觉应用 CCD Testing	位置测试 Position Test	图面 Figure				
		移动测试 Moving Test					
	☐ 加工机 Processing Work						
	☐ 锁螺丝机使用 Screw Fastening						
	☐ 点胶机使用 Dispenser						
☐ 其他使用 Other							
使用环境 Usage Environment	☐ 无尘室 (无尘等级)	Class10	Class100	Class1000	备注Remarks		
	☐ 一般环境 General Environmen						
设备 Equipment For	☐ 量产机 Mass Production				☐ 测试机 Trianl Run		
备注Remarks							