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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 5.1

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

FUYU TECHNOLOGY CO.,LTD

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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。

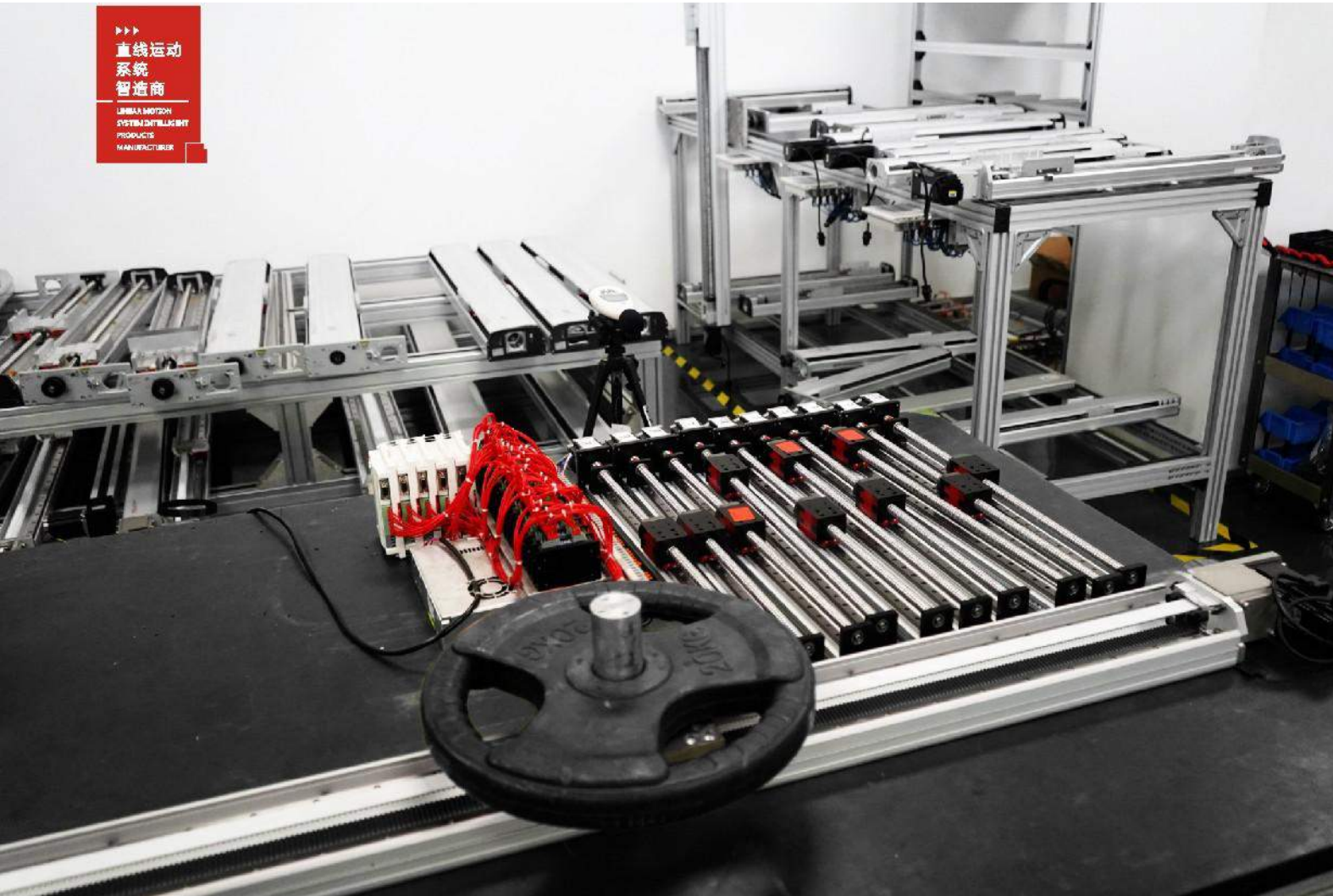
“福誉科技”已获国家相关部门认证：“国家高新技术企业”，“双软企业”，ISO9001-2015，知识产权管理体系，知识产权已授权115项，涉及发明专利6项，实用新型、外观专利81项，软件著作权及商标28项；已获国际相关认证：德国莱茵机构“TUV”认证，及CE, ROHS, FCC, IP等级认证。

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.

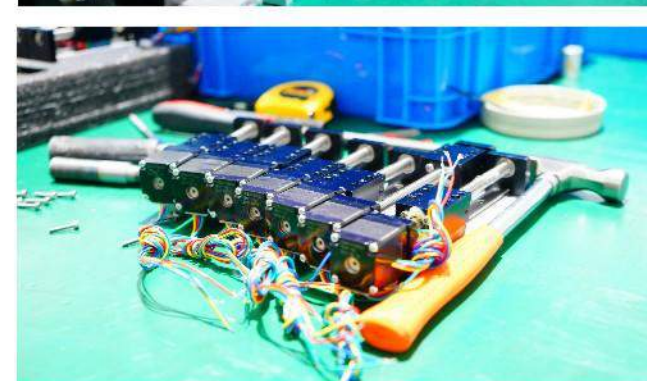
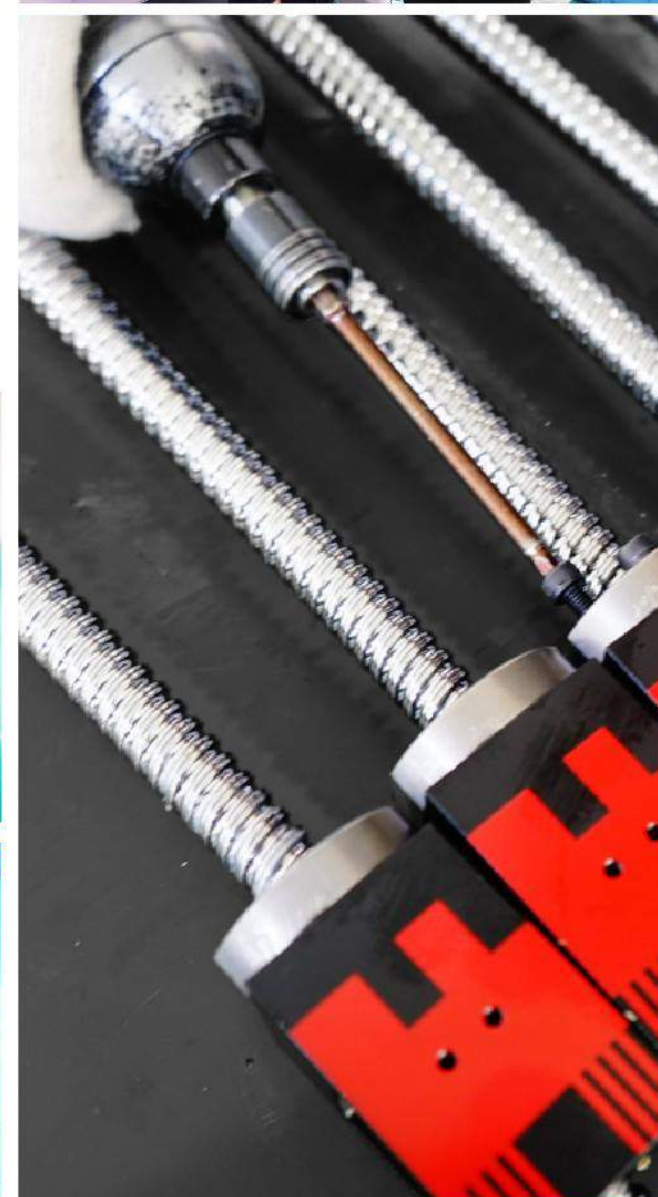
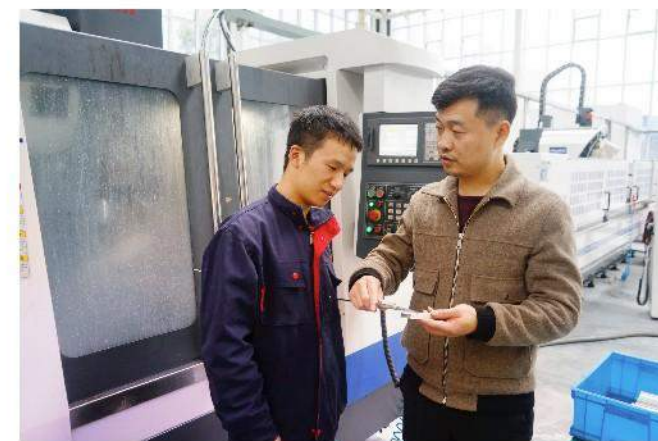


生产工艺

PRODUCTION
PROCESS

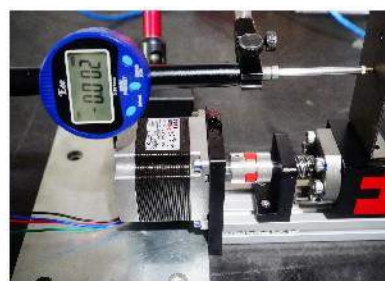
福誉科技一直以发展的眼光看世界，所有产品严格按照各项生产流程规范操作，115项专利涵盖模组及控制器各方面新型技术。以先进的技术和真诚的合作态度，将一如既往地以优质的产品，合理的价格，专业的服务与广大客户携手并进，共创辉煌。

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。

FYU 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，注重信息技术建设，形成了健全有效的经营管理制度和科学的执行规范体系。

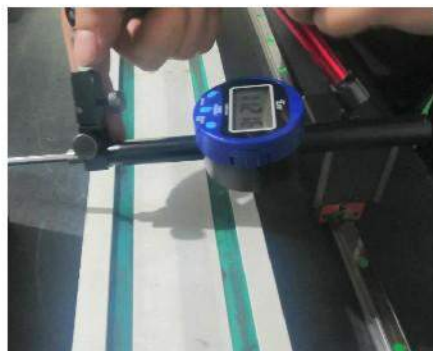
本着“以质量求生存，以信誉求发展”的宗旨，我们建立了完善的产品质量审核标准，严格按照品质检验流程执行，把控每一关，实现0容错率。执行质量和服务得到了有关主管部门及客户的一致认可。

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



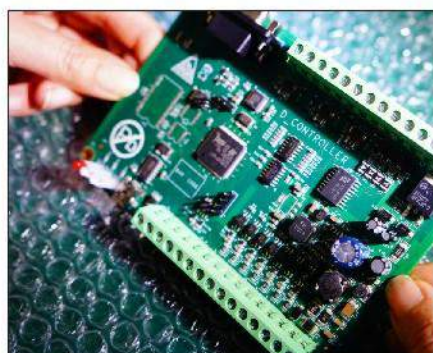
1、检测平行度/等高度
Detect parallelism / equal height



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



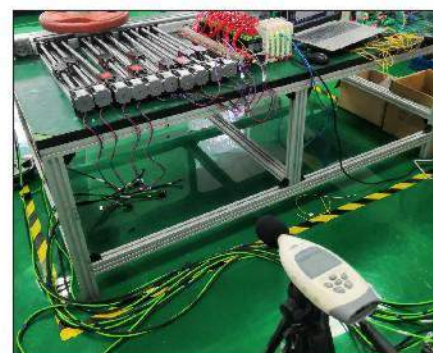
3、检测重复定位精度
Detection of repeated
positioning accuracy



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



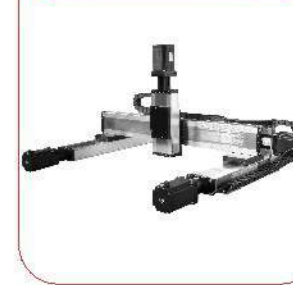
FTB系列模组
FTB LINEAR GUIDE



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，福普科技怀着敬畏之心，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。

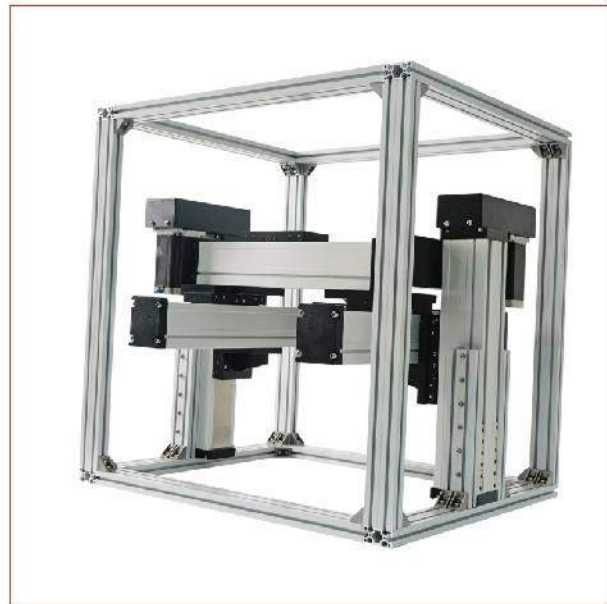
Our customers are specialized in all kinds of automatic dispensers. Our products mainly include: automatic dispenser, automatic dispenser, two-component silicone dispenser, pressure plate dispenser, 5-gallon barrel dispenser, AB double liquid dispenser, vacuum dispenser, assembly line dispenser and three-axis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



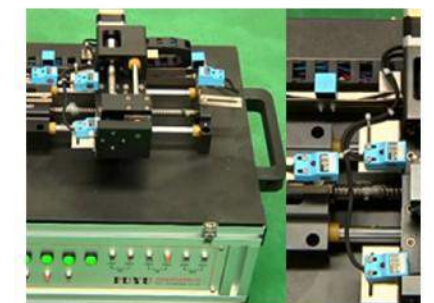
FSL80 TWO AXIS LINEAR MODULE FSL80两轴直线模组

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.



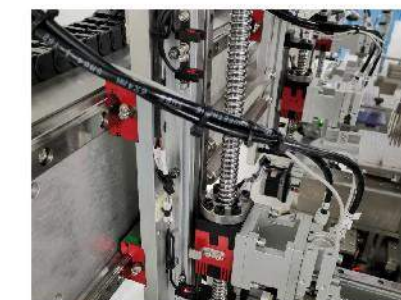
智能餐饮
Intelligent catering



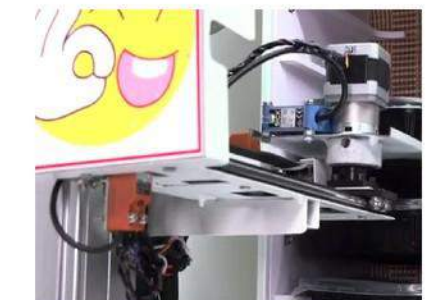
高校模拟实验平台
University simulation
experiment platform



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



自动售货机
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



n95口罩多工位封边机
Mask Edge Banding Machine



分拣机
Sorter



切割机
Cutting Machine



商超模组运用
Application of Shangchao module



智能家居
Smart home



切割设备
Cutting equipment



点胶设备
Dispensing equipment

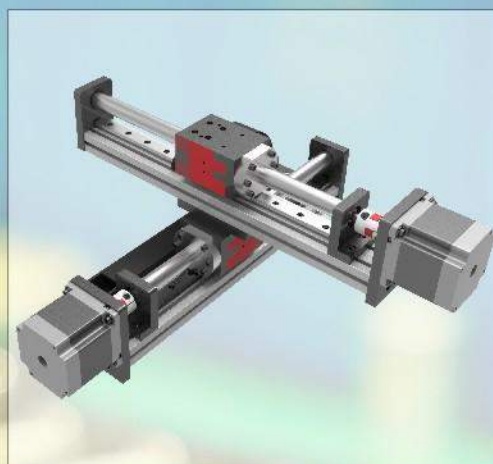


电路板喷涂设备
Circuit board spraying
equipment



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

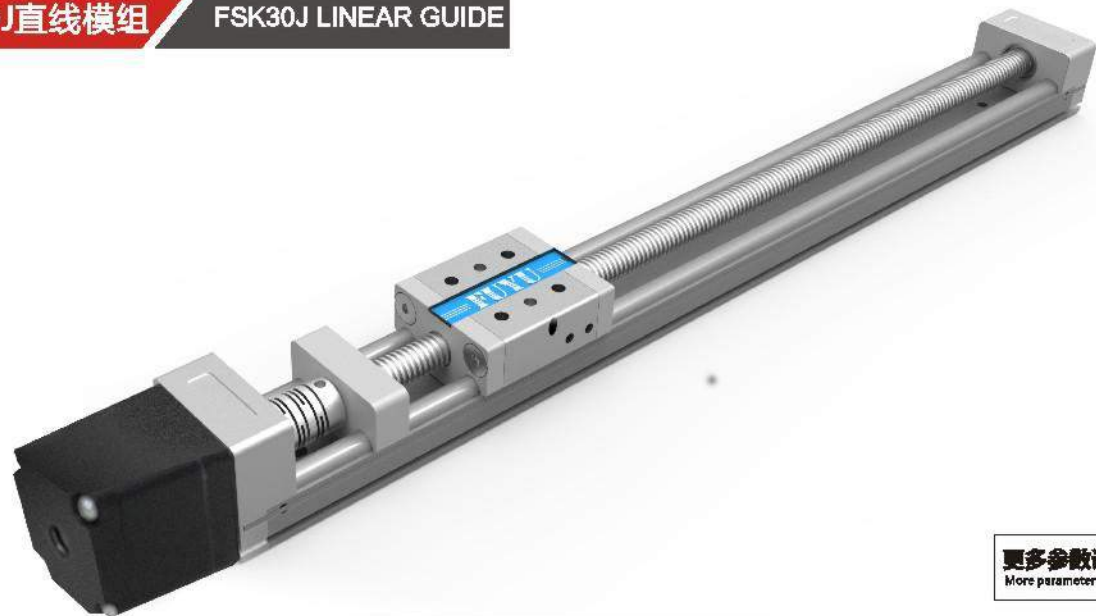


FSK40 直线模组
FSK40 LINEAR MODULE
P19



FSK80 直线模组
FSK80 LINEAR 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
±0.05

有效行程[mm]
Effective Stroke
50~500

垂直参考负载[kg]
Vertical reference Loading
1

水平参考负载[kg]
Horizontal reference Loadings
3

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

※默认标配电机

FSK30JJ		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	
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	
FSK30JJ	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	50-500				

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

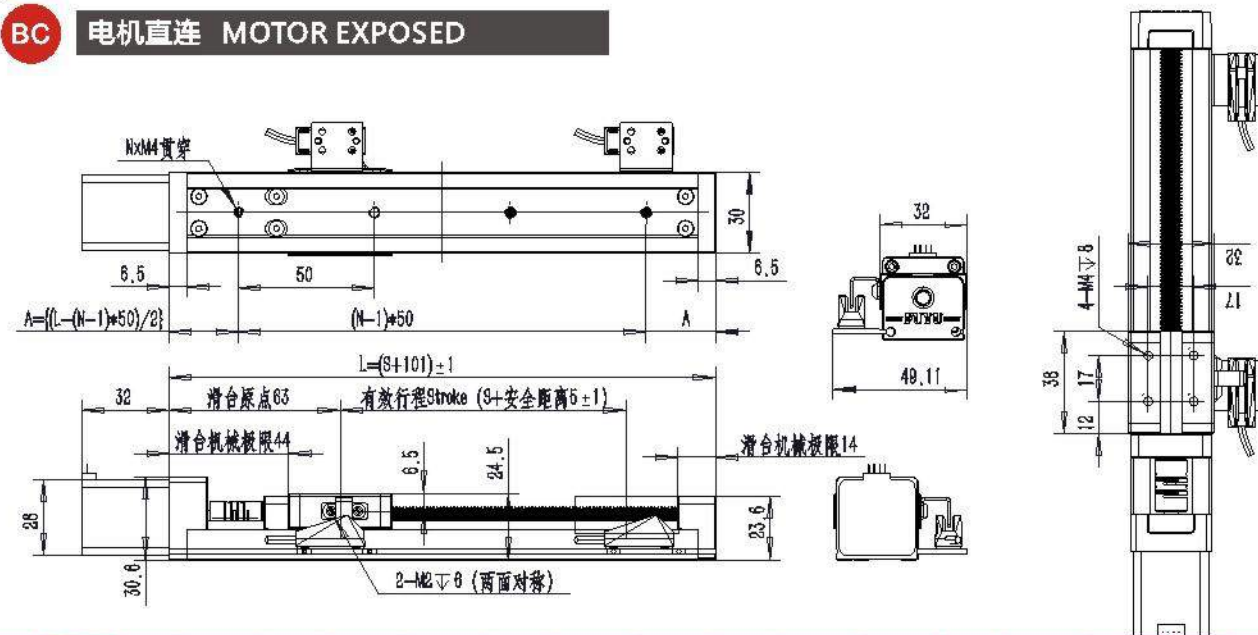
TECHNICAL PARAMETER

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	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	40	40	40	40	80	80	80	80	75	60		
	垂直	速度[mm/s] Speed	40	40	40	40	40	35	80	80	25	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 Loadings
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	有效行程 Effective trip		BC 电机直连 Motor Exposed		B28 28X32
		丝杆外径 Screw Outer Diameter		标准行程 Wide(mm)		※ B35 35X34
		Ø8		50-300		

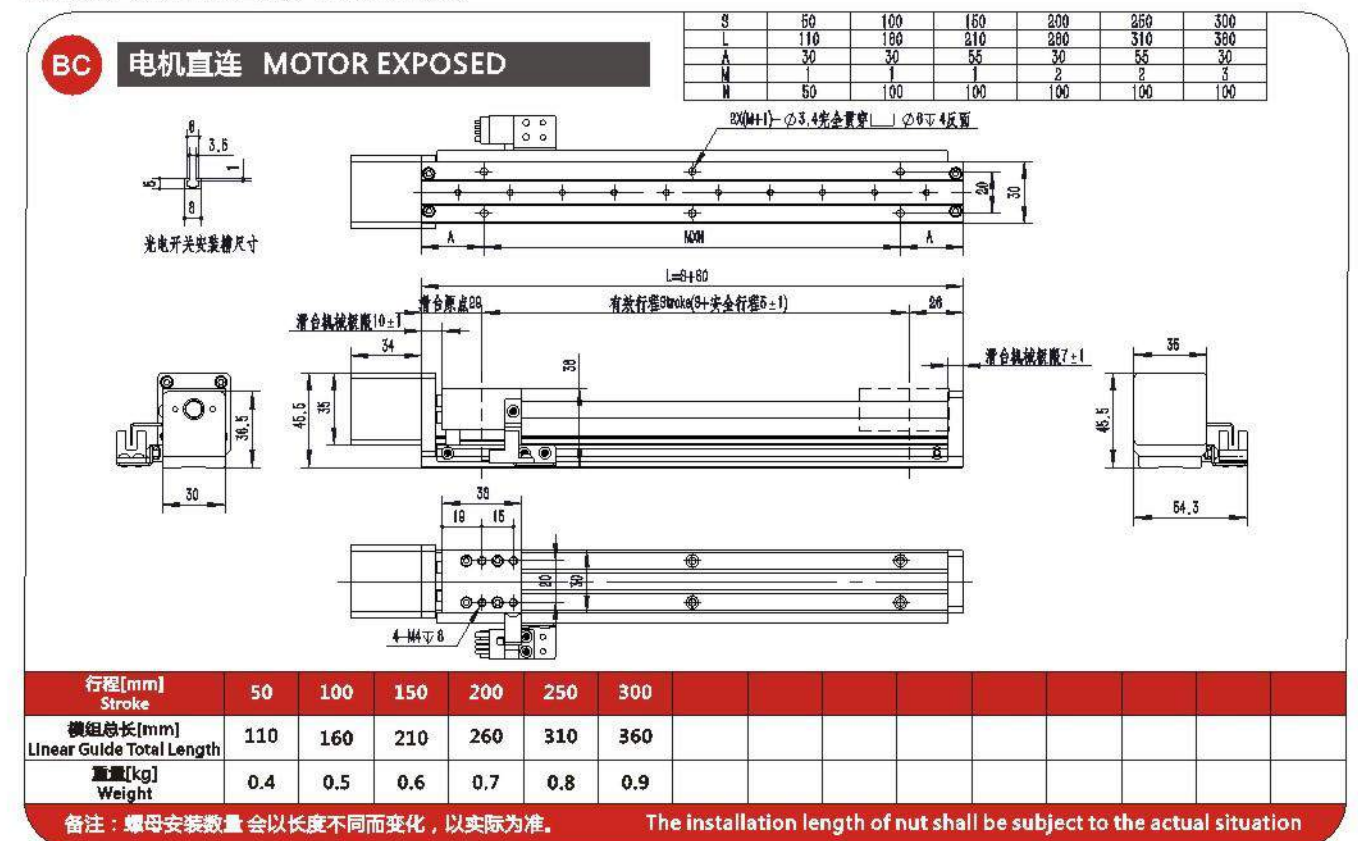
FSK30 直线模组-搭配一览表
FSK30-COLLOCATION LIST

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

※为标配电机

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 05 5mm 10 10mm 16 16mm	BC 电机直连 Motor Exposed		P松下 10:100W T台达 20:200W Y安川 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	C7 ±0.03		※ B57 57X56 B60 60X102	
		标准行程 Wide(mm)			刹车 brake	
		Ø12 50-500 Ø16 50-1000			无刹车不表示 Extra Enquiry If Need Brake	

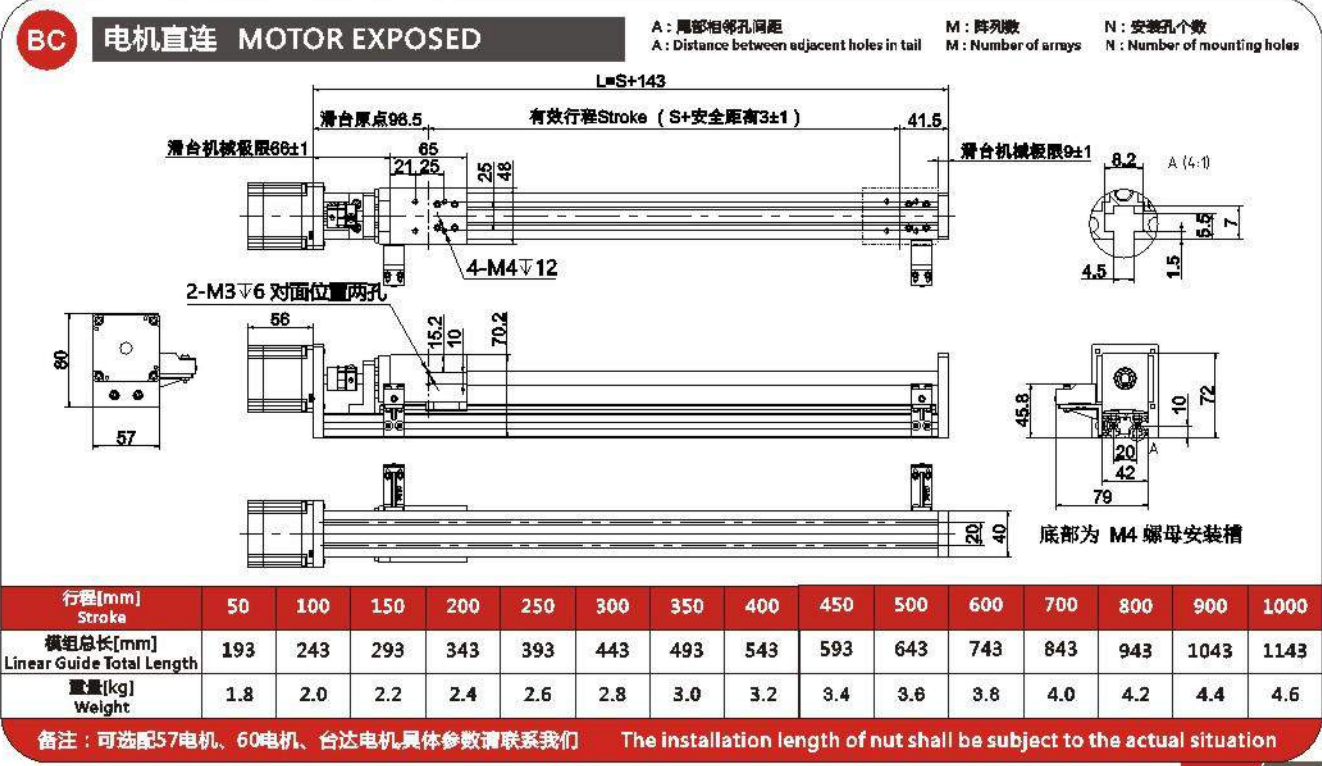
FSK40 直线模组-搭配一览表
FSK40-COLLOCATION LIST

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 FMC4030	SN04-N	PMT-24V350W PMT-24V100W PMT-24V50W LRS-100-24 LRS-350-24	FMDD50D40NOM

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°C—+60°C		

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

※为标配电机

FSK80	E300	10	C7	BC	B57	S
丝杆模组-FSK系列 Screw module - FSL series	导轨 Screw Slider		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		伺服电机 Servo motor		
FSK80	80	10	10mm	BC 电机直连 Motor Exposed	T台达 20:200W	
		有效行程 Effective trip		BL 电机左折 Motor Left Side	T台达 40:400W	
		丝杆外径 Screw Outer Diameter	标准行程 Wide(mm)	BR 电机右折 Motor Right Side	Y安川 40:400W	
		Ø16	50-1000	BD 电机下折 Motor Down Side	M三菱 75:750W	
		重复定位精度 Repeated Positioning Accuracy		步进电机 Stepping motor		
		丝杆驱动 Ball Screw Driven		※ B60 60X102		
		C7 ±0.02		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

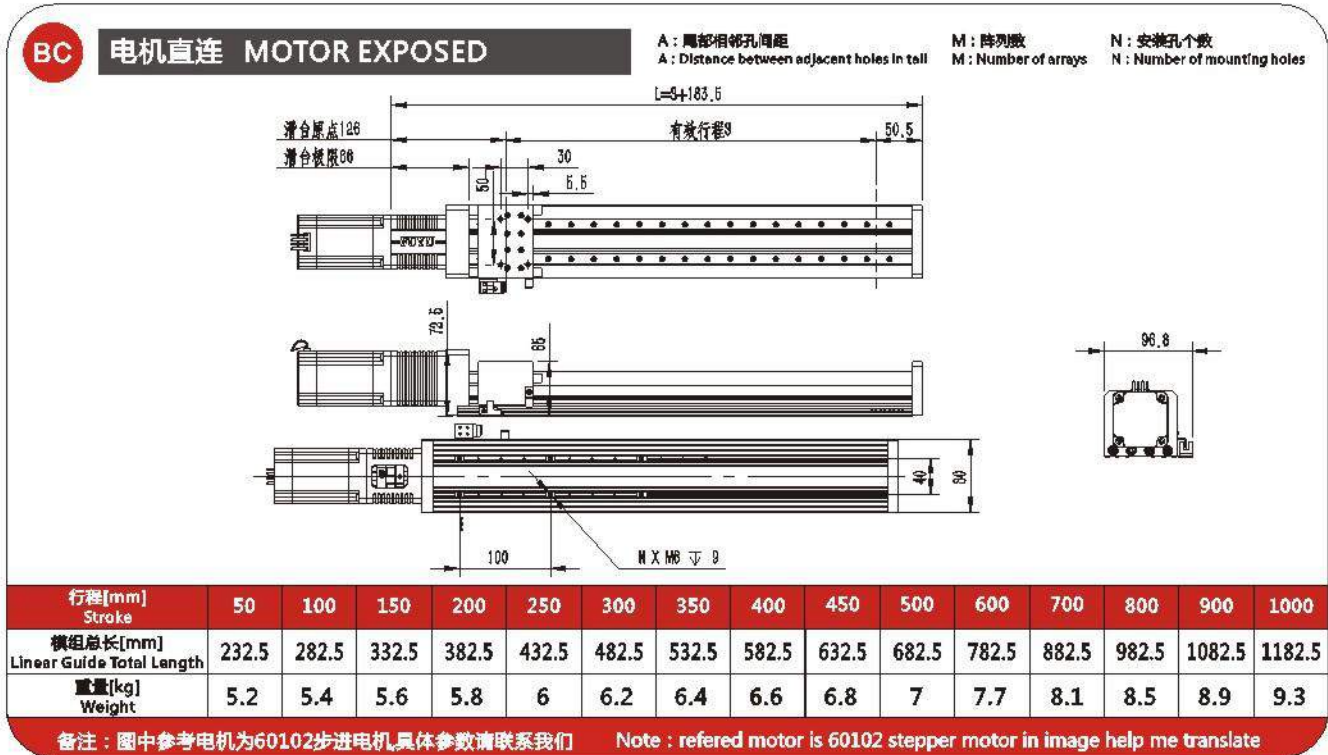
触摸屏 Touch screen	控制器 Controller	限位开关 Limit switch	直流电源型号 DC power model	驱动器型号 Drive model
TPC7062HW	FSC-2A	SN04-N(NPN.NO)	PMT-24V350W	FMDD50D40NOM
	FMC4030		LRS-350-24	

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°C—+60°C

FSK80 直线模组-尺寸图
FSK80-DIMENSIONAL DRAWING



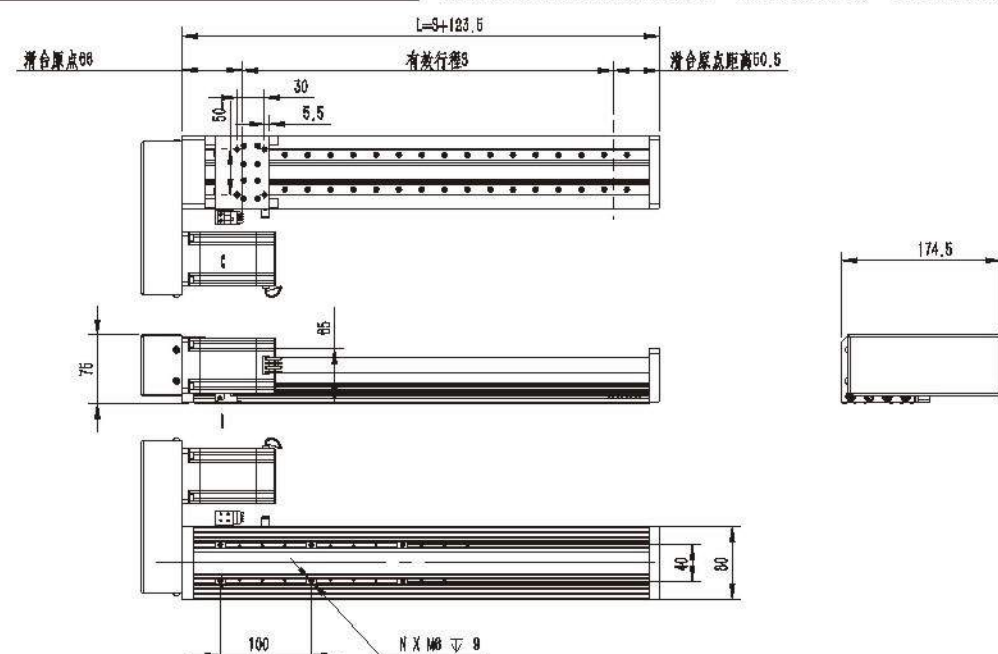
BD

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

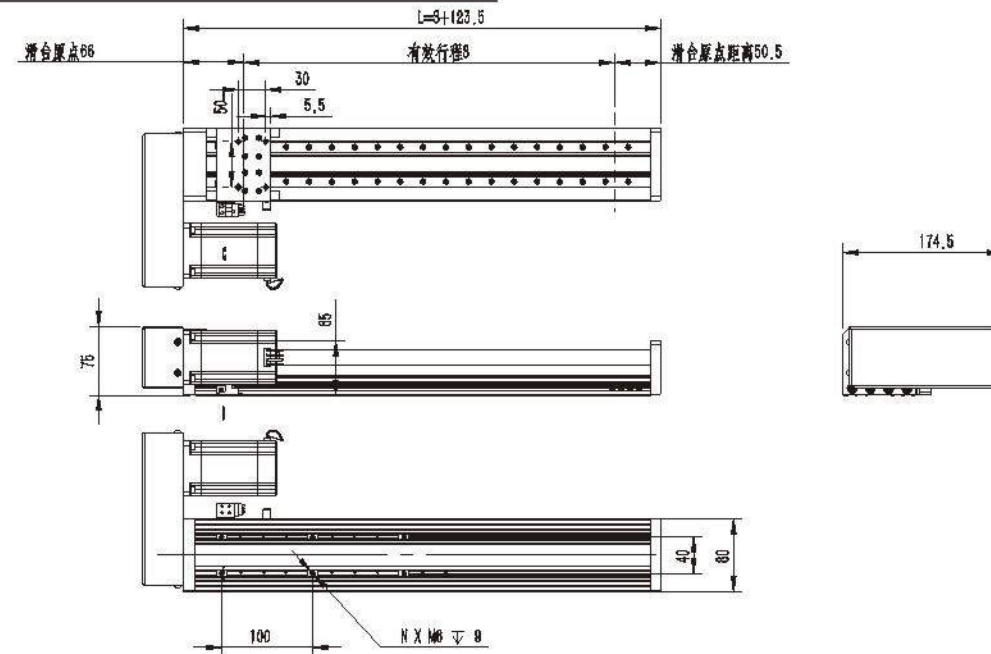


行程[mm] Stroke	50	100	150	200	250	300	350	400	450	500	600	700	800	900	1000
模组总长[mm] Linear Guide Total Length	173.5	223.5	273.5	323.5	373.5	423.5	473.5	523.5	573.5	623.5	723.5	823.5	923.5	1023.5	1123.5
重量[kg] Weight	5.2	5.4	5.6	5.8	6	6.2	6.4	6.6	6.8	7	7.7	8.1	8.5	8.9	9.3

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

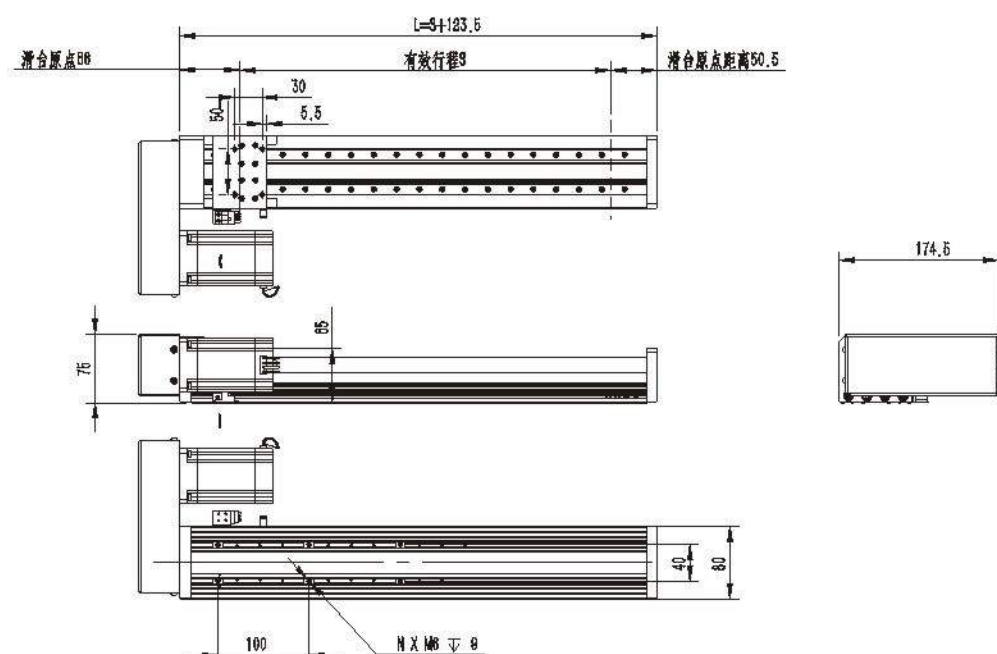
BL

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: referred motor is 60102 stepper motor in image help me translate

FSK LINEAR GUIDE
FSK 线性模组FSL LINEAR GUIDE
FSL 线性模组FBL LINEAR GUIDE
FBL 线性模组FPB LINEAR GUIDE
FPB 线性模组FTH LINEAR GUIDE
FTH 线性模组FTB LINEAR GUIDE
FTB 线性模组

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，防腐，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

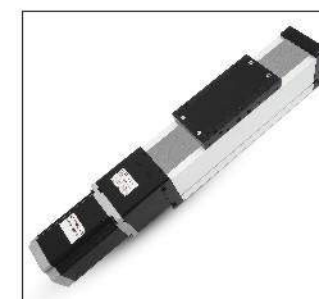
应用范围：激光载床、光伏背板切割刻膜机、输送机械手、辅助设备、电科研试验功能演示，各类工业自动化生产线、各类精加工机械等。

Application range: laser cutting machine, PV back sheet cutting engraving machine, transportation mechanical arm, assistant device, Electric research test function demonstration, kinds of industrial 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

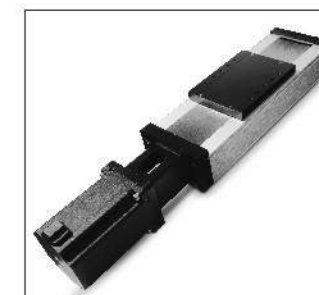
Semiconductor device, LED online device, solar equipment, FPD equipment



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	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
±0.02	50~1050	10	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	丝杆滑台 Screw Slider	有效行程 Effective trip	丝杆滑台 Screw Slider	伺服电机 Servo motor	步进电机 Stepping motor	
FSL60	05 5mm 10 10mm 16 16mm	丝杆外径 Screw Outer Diameter Ø16 标准行程 Wide(mm) 50-1050	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	※ B60 60X102	
			重复定位精度 Repeated Positioning Accuracy 丝杆驱动 Ball Screw Driven C7 ±0.02	刹车 brake 无刹车不表示 Extra Enquiry If Need Brake		

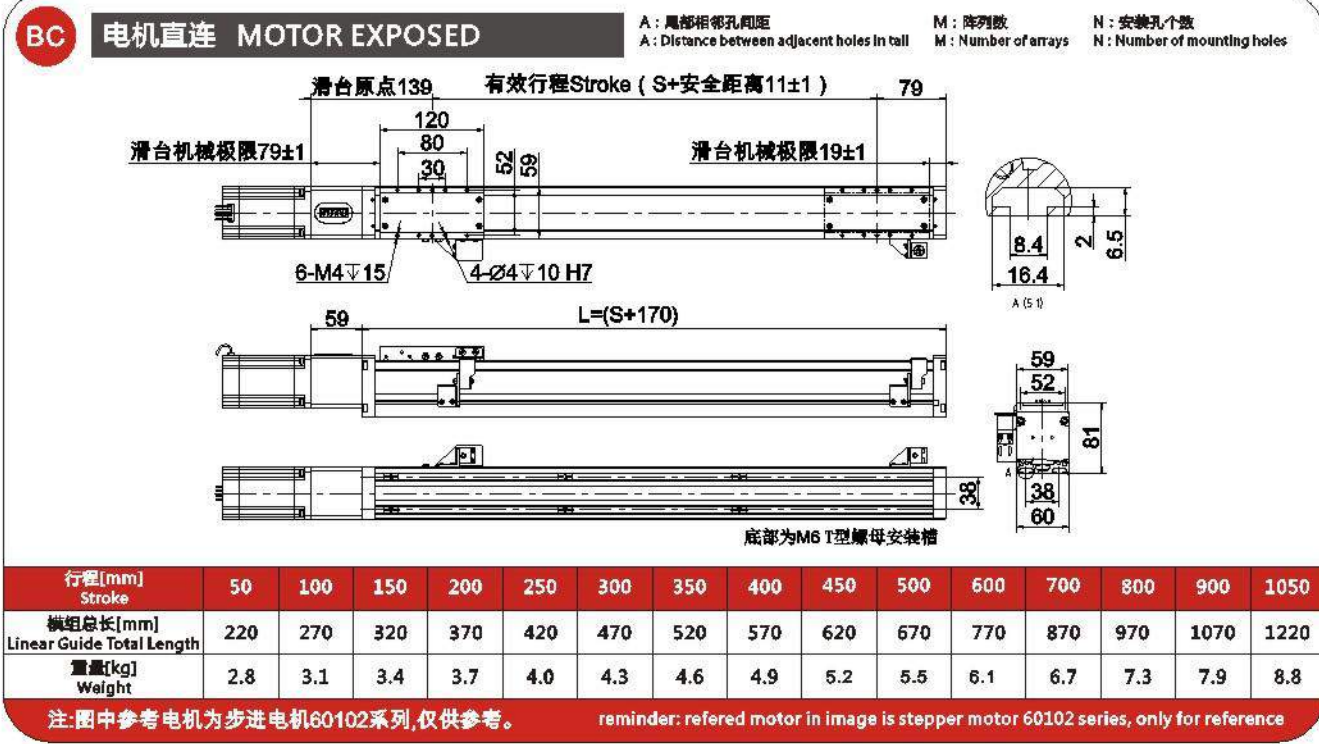
FSL60 直线模组-搭配一览表
FSL60-COLLOCATION LIST

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

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

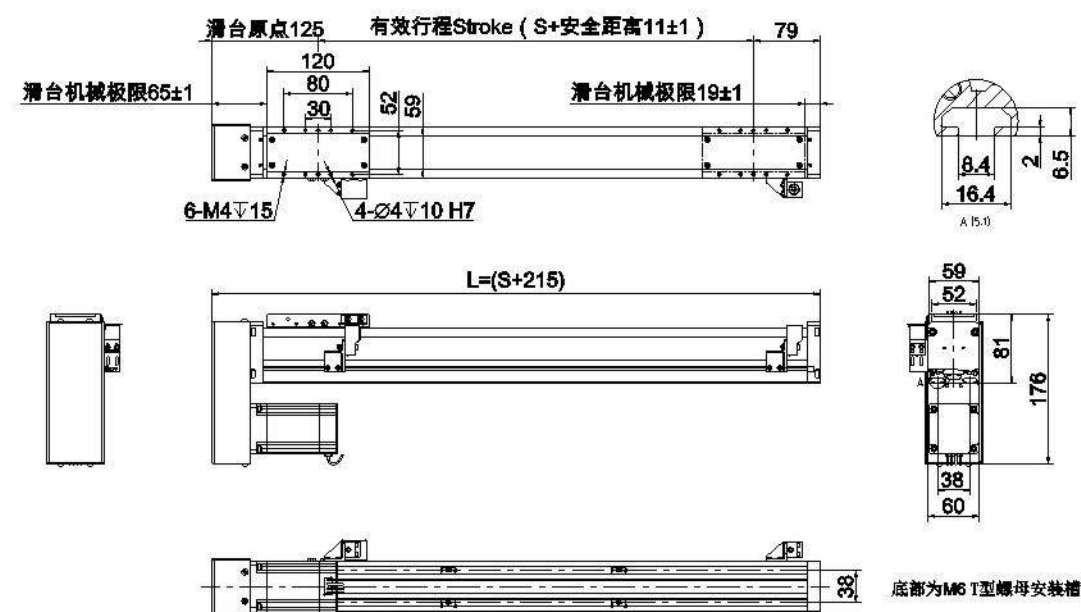


BD 电机下折 MOTOR DOWN SIDE

A : 尾端相邻孔间距
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。

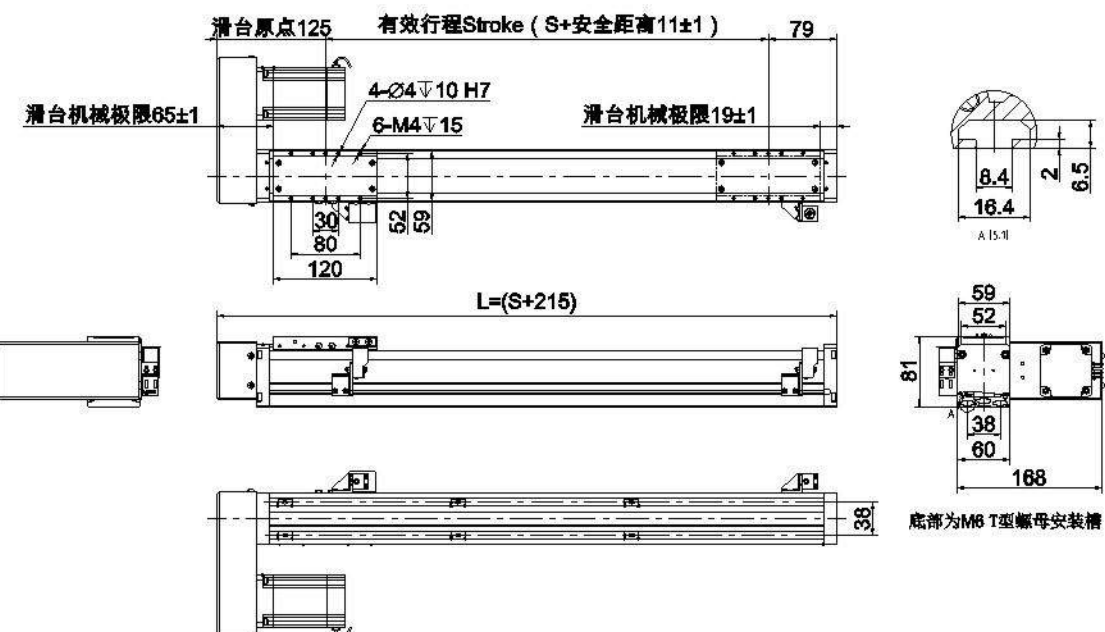
reminder: referred motor in image is stepper motor 60102 series, only for reference

BR 电机右折 MOTOR RIGHT SIDE

A : 尾端相邻孔间距
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。

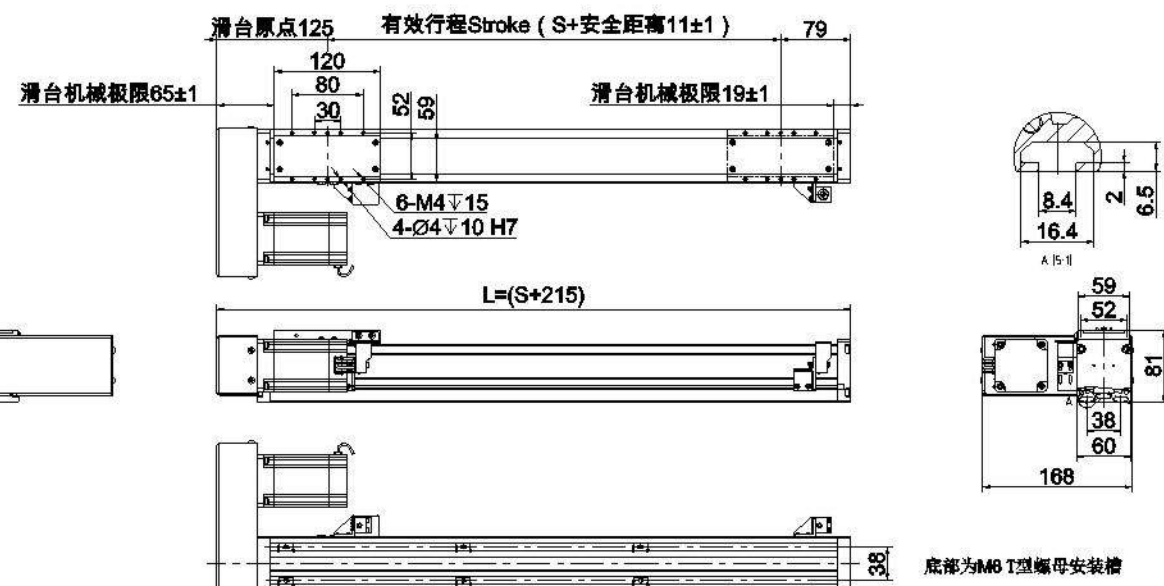
reminder: referred motor in image is stepper motor 60102 series, only for reference

BL 电机左折 MOTOR LEFT SIDE

A : 尾端相邻孔间距
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: referred 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
40FSL80 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		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	
FSL80	80		BC 电机直连 Motor Exposed		P松下 10:100W	
	05 5mm		BL 电机左折 Motor Left Side		T台达 20:200W	
	10 10mm		BR 电机右折 Motor Right Side		Y安川 40:400W	
	16 16mm		BD 电机下折 Motor Down Side		M三菱 75:750W	
	有效行程 Effective trip		步进电机 Stepping motor		刹车 brake	
	丝杆外径 Screw Outer Diameter		重复定位精度 Repeated Positioning Accuracy		※ B60 60X102	
	标准行程 Wide(mm)		丝杆驱动 Ball Screw Driven		B86 86X98	
	Ø16		C7 ±0.02		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	

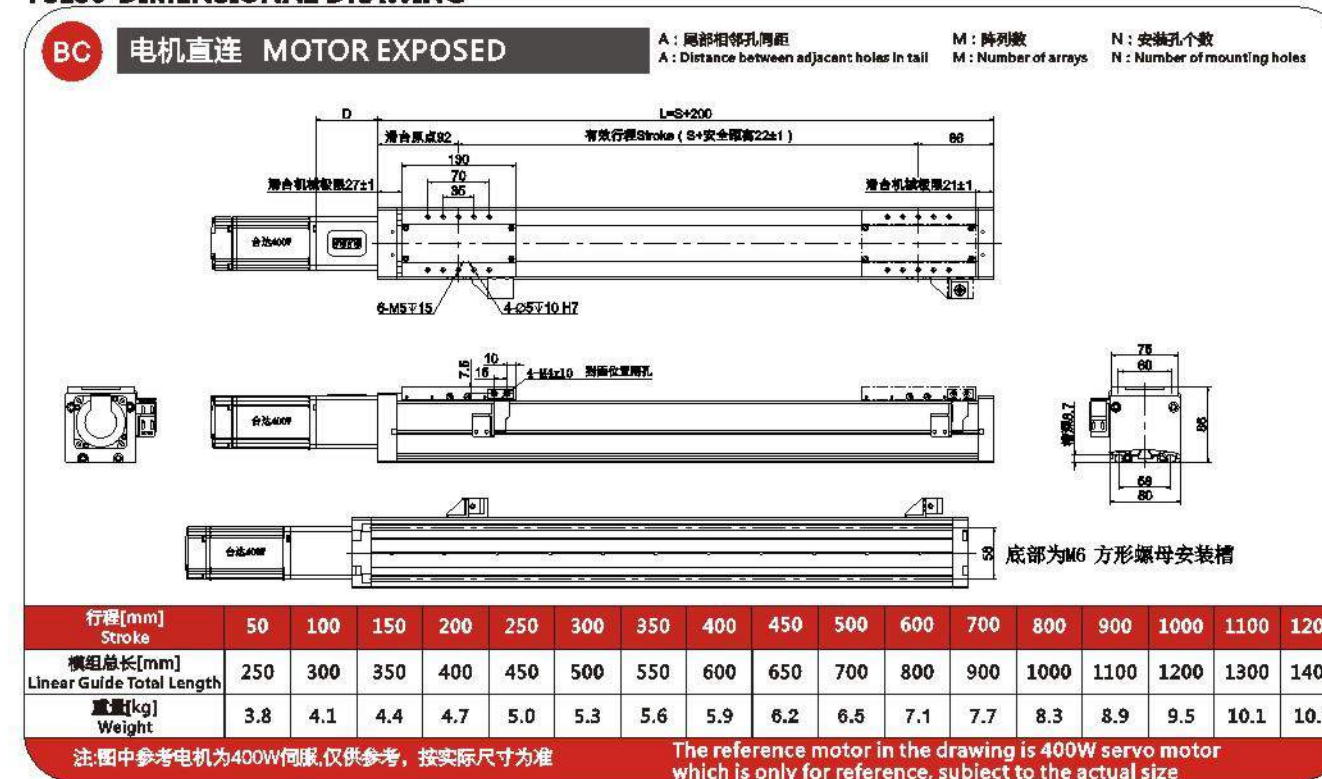
FSL80 直线模组-技术参数

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°C—+60°C
	IP等级 IP LEVEL	IP51

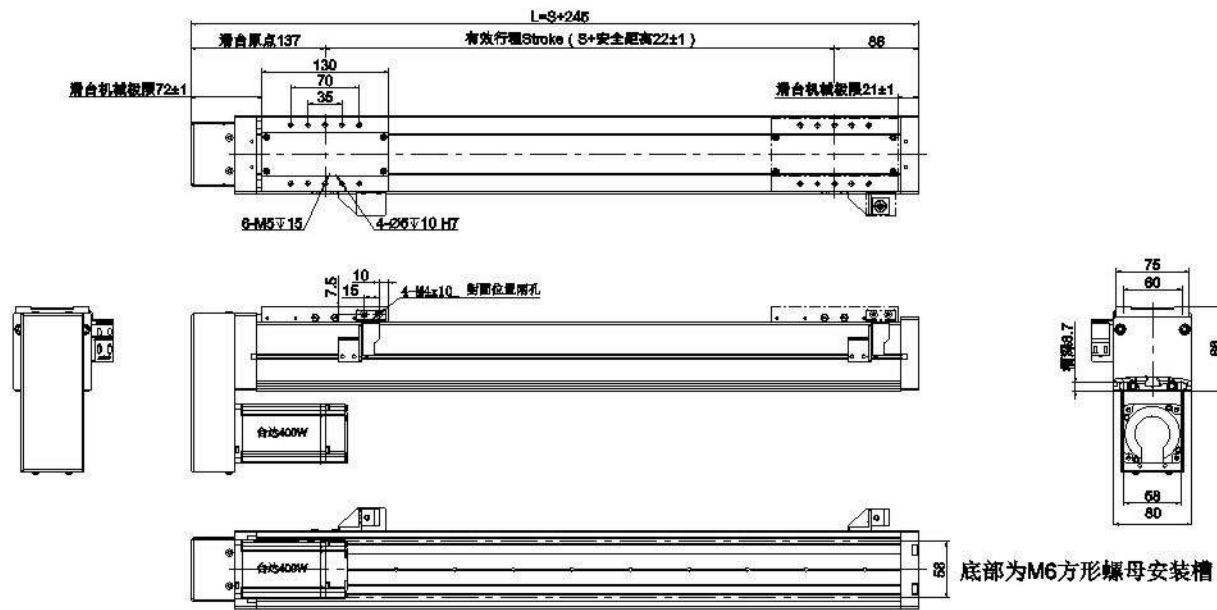
FSL80 直线模组-尺寸图

FSL80-DIMENSIONAL DRAWING



BD 电机下折 MOTOR DOWN SIDE

A : 尾端相邻孔间距
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



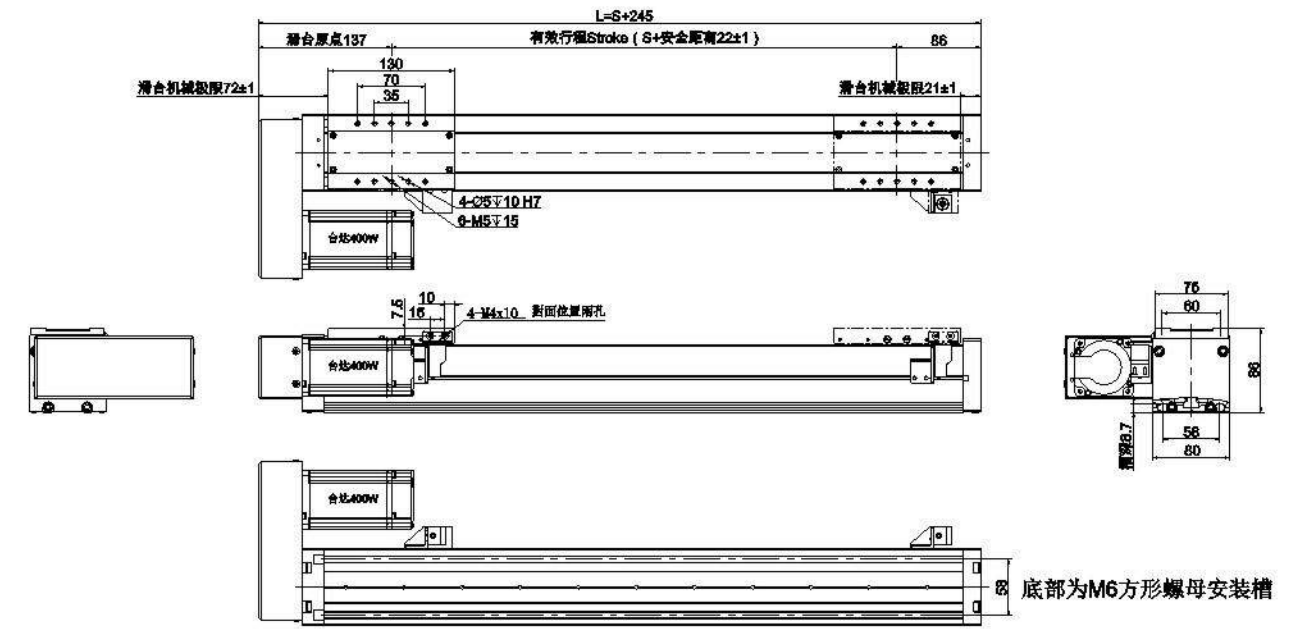
行程[mm] Stroke	50	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1100	1200
模组总长[mm] Linear Guide Total Length	295	345	395	445	495	545	645	695	745	795	845	945	1045	1145	1245	1345	1445
重量[kg] Weight	3.8	4.1	4.4	4.7	5.0	5.3	5.6	5.9	6.2	6.5	7.1	7.7	8.3	8.9	9.5	10.1	10.7

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 : 尾端相邻孔间距
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



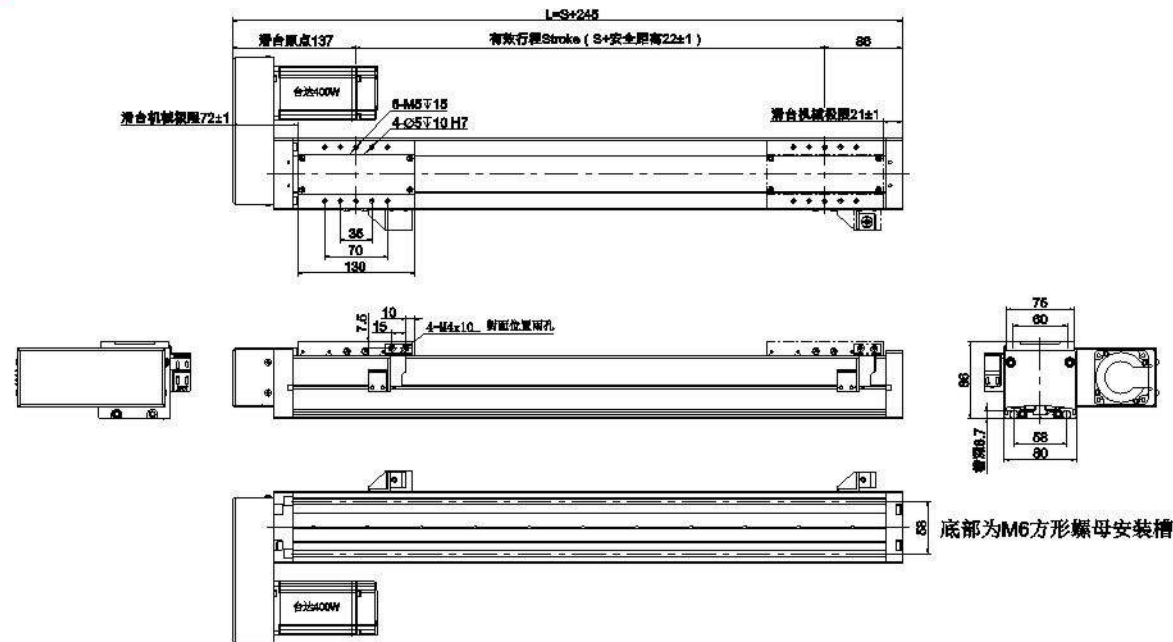
行程[mm] Stroke	50	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1100	1200
模组总长[mm] Linear Guide Total Length	295	345	395	445	495	545	645	695	745	795	845	945	1045	1145	1245	1345	1445
重量[kg] Weight	3.8	4.1	4.4	4.7	5.0	5.3	5.6	5.9	6.2	6.5	7.1	7.7	8.3	8.9	9.5	10.1	10.7

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 : 尾端相邻孔间距
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



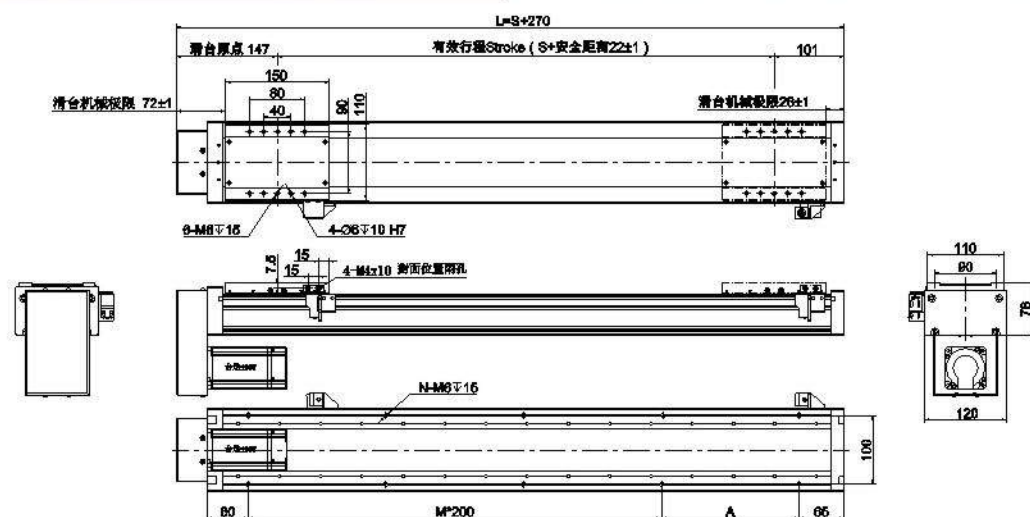
行程[mm] Stroke	50	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1100	1200
模组总长[mm] Linear Guide Total Length	295	345	395	445	495	545	645	695	745	795	845	945	1045	1145	1245	1345	1445
重量[kg] Weight	3.8	4.1	4.4	4.7	5.0	5.3	5.6	5.9	6.2	6.5	7.1	7.7	8.3	8.9	9.5	10.1	10.7

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

BD

电机下折 MOTOR DOWN SIDE

A: 尾端相邻孔间距
A: Distance between adjacent holes in tailM: 阵列数
M: Number of arraysN: 安装孔个数
N: Number of mounting holes

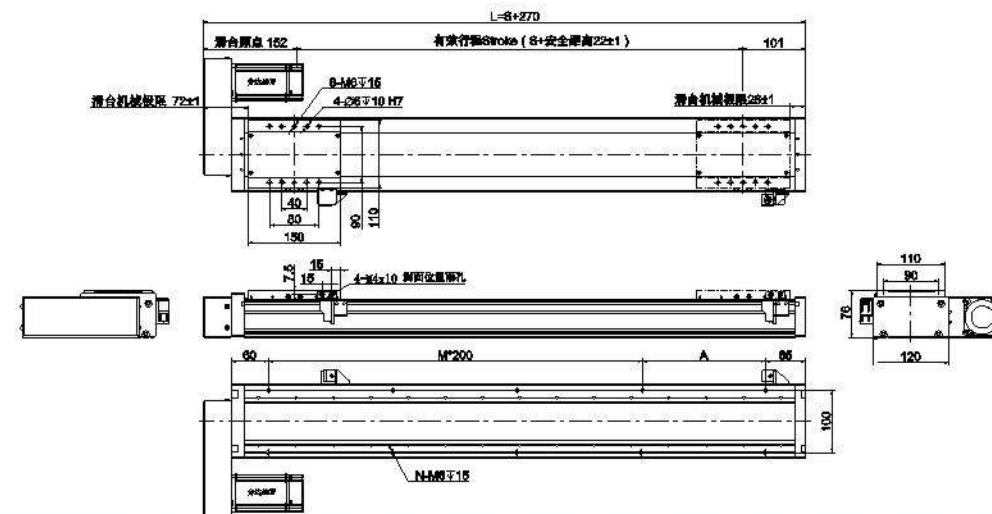
行程[mm] Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750
模组总长[mm] Linear Guide Total Length	320	370	420	470	520	570	620	670	720	770	820	870	920	970	1020
重量[kg] Weight	6.1	6.6	7.0	7.5	7.9	8.4	8.8	9.3	9.7	10.2	10.6	11.1	11.5	12.0	12.4
行程[mm] Stroke	800	850	900	950	1000	1050	1100	1150	1200	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: 尾端相邻孔间距
A: Distance between adjacent holes in tailM: 阵列数
M: Number of arraysN: 安装孔个数
N: Number of mounting holes

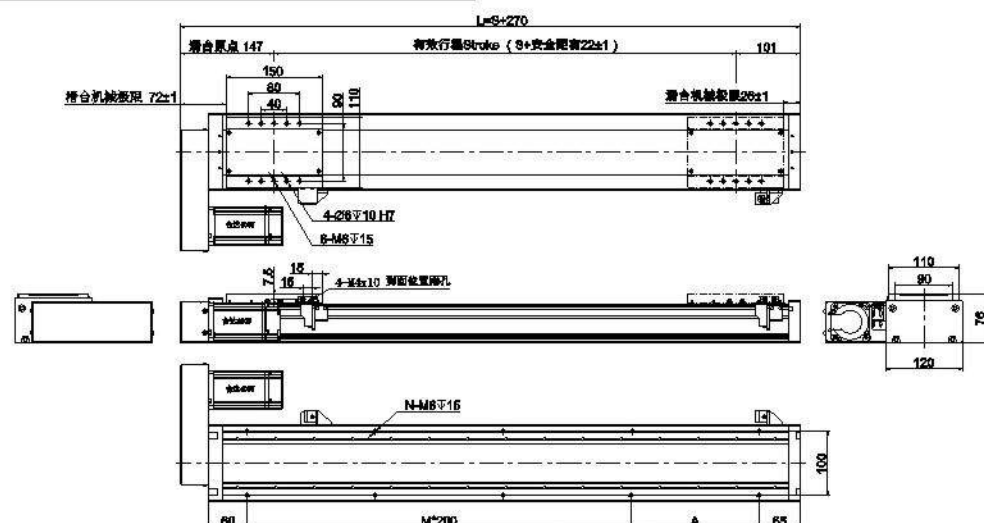
行程[mm] Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750
模组总长[mm] Linear Guide Total Length	320	370	420	470	520	570	620	670	720	770	820	870	920	970	1020
重量[kg] Weight	6.1	6.6	7.0	7.5	7.9	8.4	8.8	9.3	9.7	10.2	10.6	11.1	11.5	12.0	12.4
行程[mm] Stroke	800	850	900	950	1000	1050	1100	1150	1200	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: 尾端相邻孔间距
A: Distance between adjacent holes in tailM: 阵列数
M: Number of arraysN: 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



FBL100 直线模组
FBL100 LINEAR MODULE
»» P47



水平最大负载[kg]
Max Horizontal Loadings

30

※为标配电机

FBL60-COLLOCATION LIST

FBL60-TECHNICAL PARAMETER

FBL60-DIMENSIONAL DRAWING

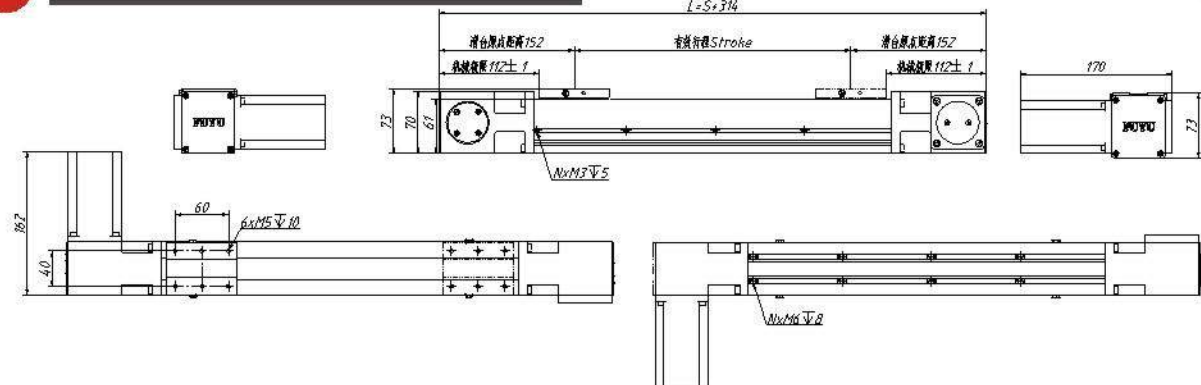
The installation length of nut shall be subject to the actual situation

BR 电机右折 MOTOR RIGHT SIDE

A: 尾部相邻孔间距
A: Distance between adjacent holes in tail
 $L = S \times 316$

M: 阵列数
M: Number of arrays

N: 安装孔个数
N: Number of mounting holes



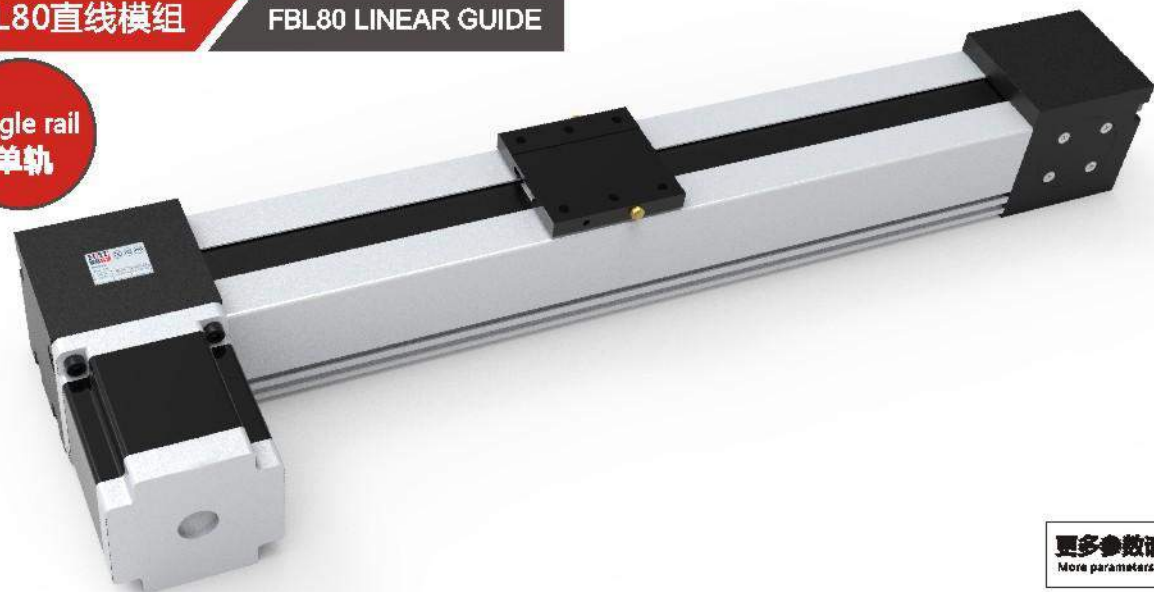
行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
模组总长[mm] Linear Guide Total Length	414	514	614	714	814	914	1014	1114	1214	1314	1414	1514	1614	1714	1814
重量[kg] Weight	6.0	6.5	6.9	7.4	7.8	8.3	8.7	9.2	9.6	10.1	10.5	11.0	11.1	11.9	12.3
行程[mm] Stroke	1600	1700	1800	1900	2000	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	同步带滑台 Wheel perimeter	电机位置 Motor position	厂牌 Brand name	
型号 Model	本体宽 (mm) Wide(mm)	有效行程 Effective trip	丝杆滑台 Screw Slider	伺服电机 Servo motor	
FBL80	80	165mm	BL 电机左折 Motor Left Side BR 电机右折 Motor Right Side	P松下 75:750W T台达 Y安川 M三菱	
	型号 Model	标准行程 Stroke (mm)		步进电机 Stepping motor	
	BL80	E100-3900		※ 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°C—+60°C
IP等级 IP LEVEL	IP51

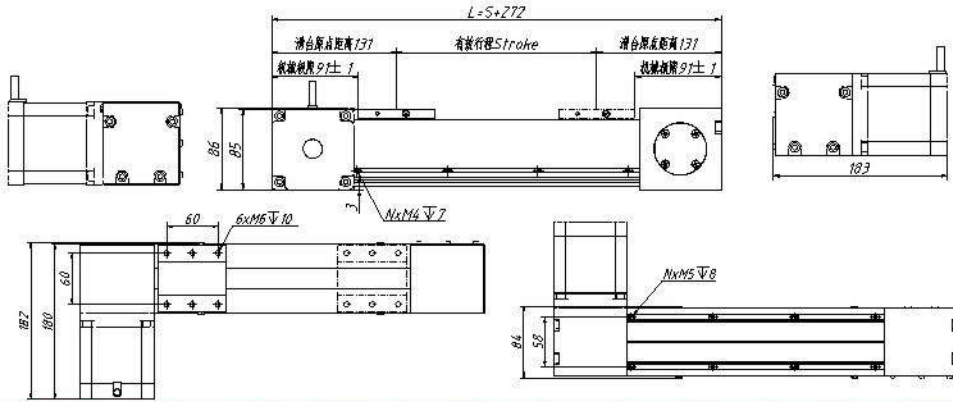
FBL80 直线模组-尺寸图

FBL80-DIMENSIONAL DRAWING

BL

电机左折 MOTOR LEFT SIDE

A: 两相邻孔间距
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



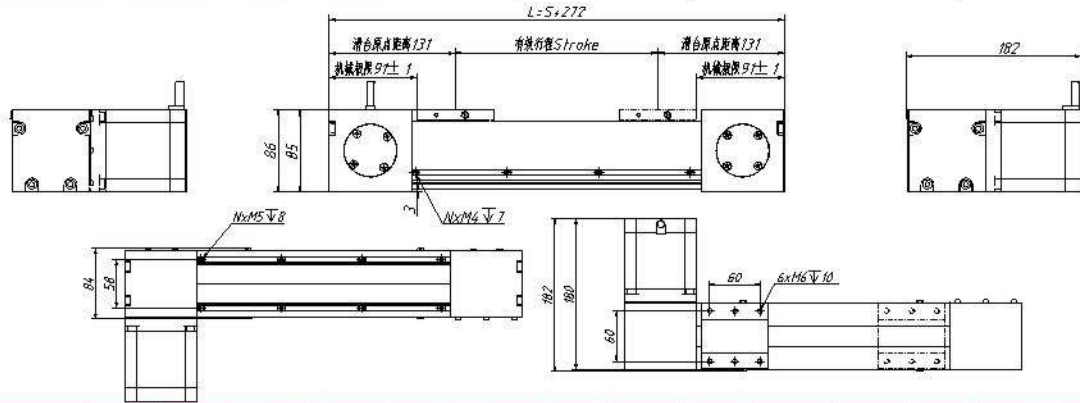
行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
模组总长[mm] Linear Guide Total Length	372	472	572	672	772	872	972	1072	1172	1272	1372	1472	1572	1672	1772
重量[kg] Weight	8.9	9.4	10.0	10.5	11.1	11.6	12.2	12.7	13.3	13.8	14.4	14.9	15.5	16.0	16.6
行程[mm] Stroke	1600	1700	1800	1900	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: 两相邻孔间距
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

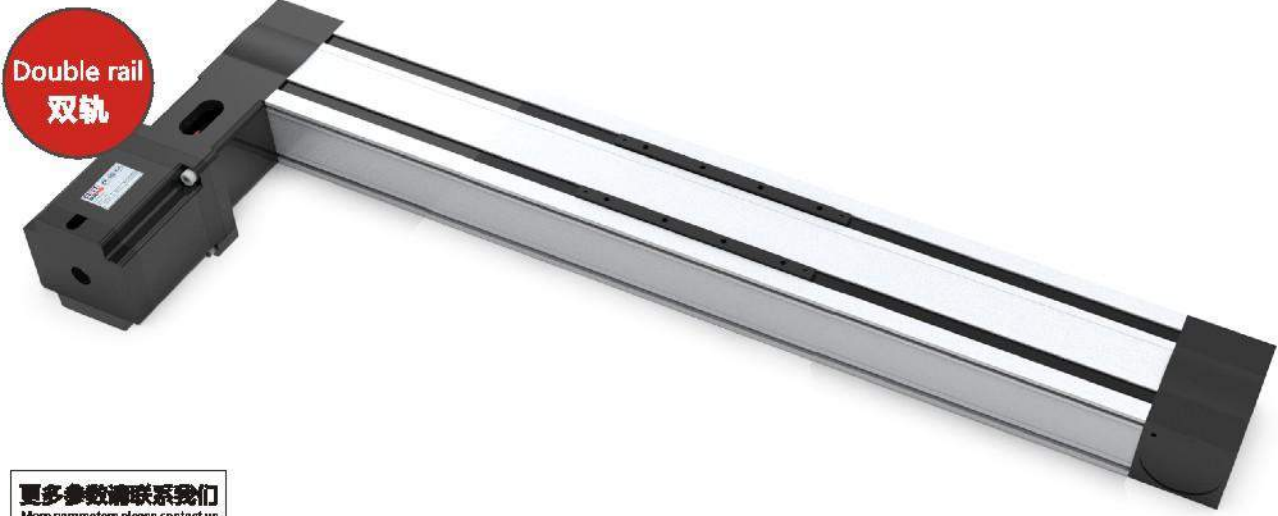


行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
模组总长[mm] Linear Guide Total Length	372	472	572	672	772	872	972	1072	1172	1272	1372	1472	1572	1672	1772
重量[kg] Weight	8.9	9.4	10.0	10.5	11.1	11.6	12.2	12.7	13.3	13.8	14.4	14.9	15.5	16.0	16.6
行程[mm] Stroke	1600	1700	1800	1900	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

FBL100直线模组

FDBL100 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
100~3700

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
40

FBL100 直线模组-型号表示方式

FBL100-ORDERING METHOD

FBL100	E300	90	BL	B86	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	※为标配电机	
型号 Model	同步带滑台 Wheel perimeter	丝杆滑台 Screw Slider	伺服电机 Servo motor		
FBL100	90mm	BL 电机左折 Motor Left Side BR 电机右折 Motor Right Side	P松下 75:750W T台达 Y安川 M三菱		
	有效行程 Effective trip		步进电机 Stepping motor		
	型号 Model		※ B86 86X98		
	标准行程 Stroke (mm)		刹车 brake	无刹车不表示 Extra Enquiry If Need Brake	
	DBL100 E100-3700				

FBL100直线模组-搭配一览表

FBL100-COLLOCATION LIST

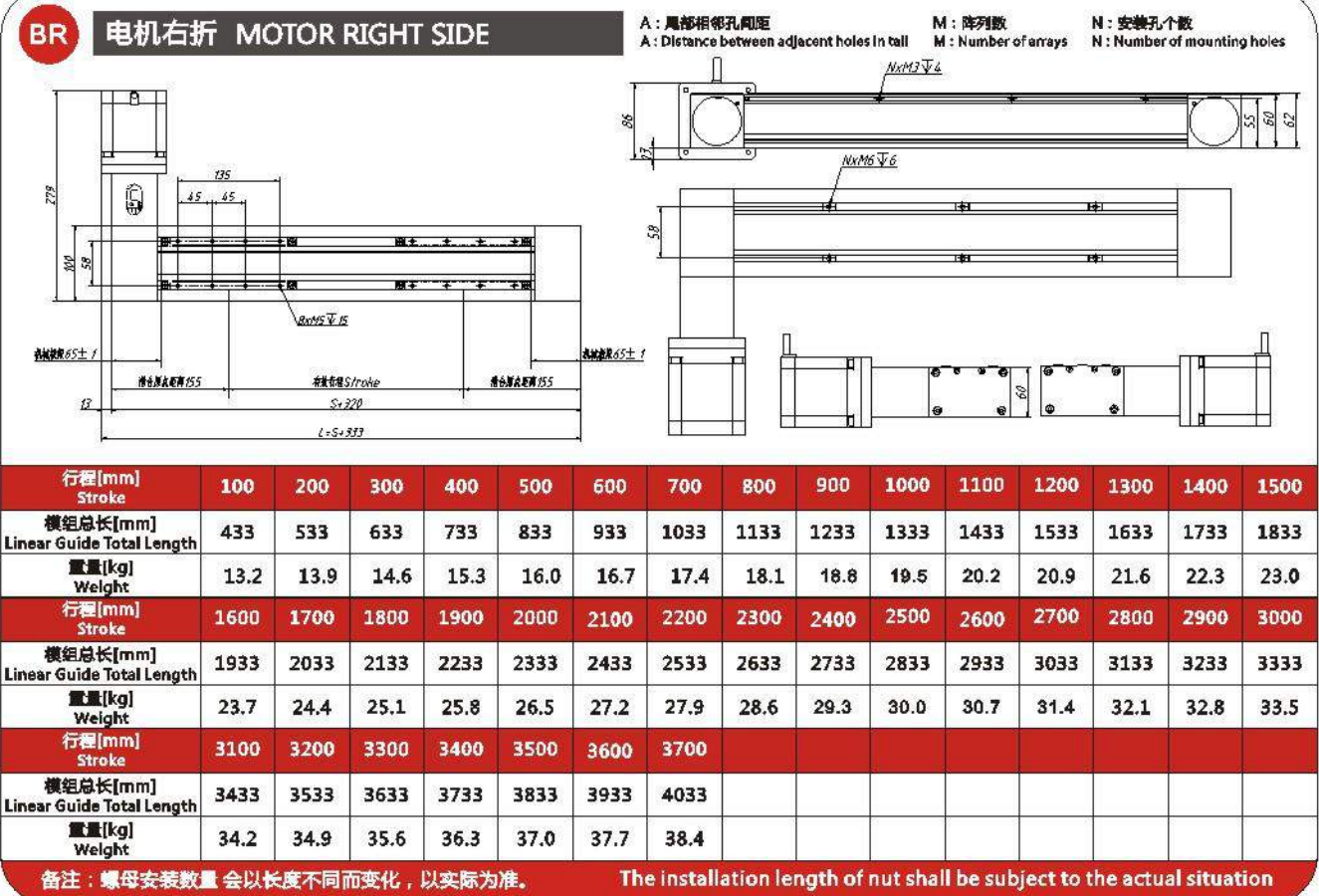
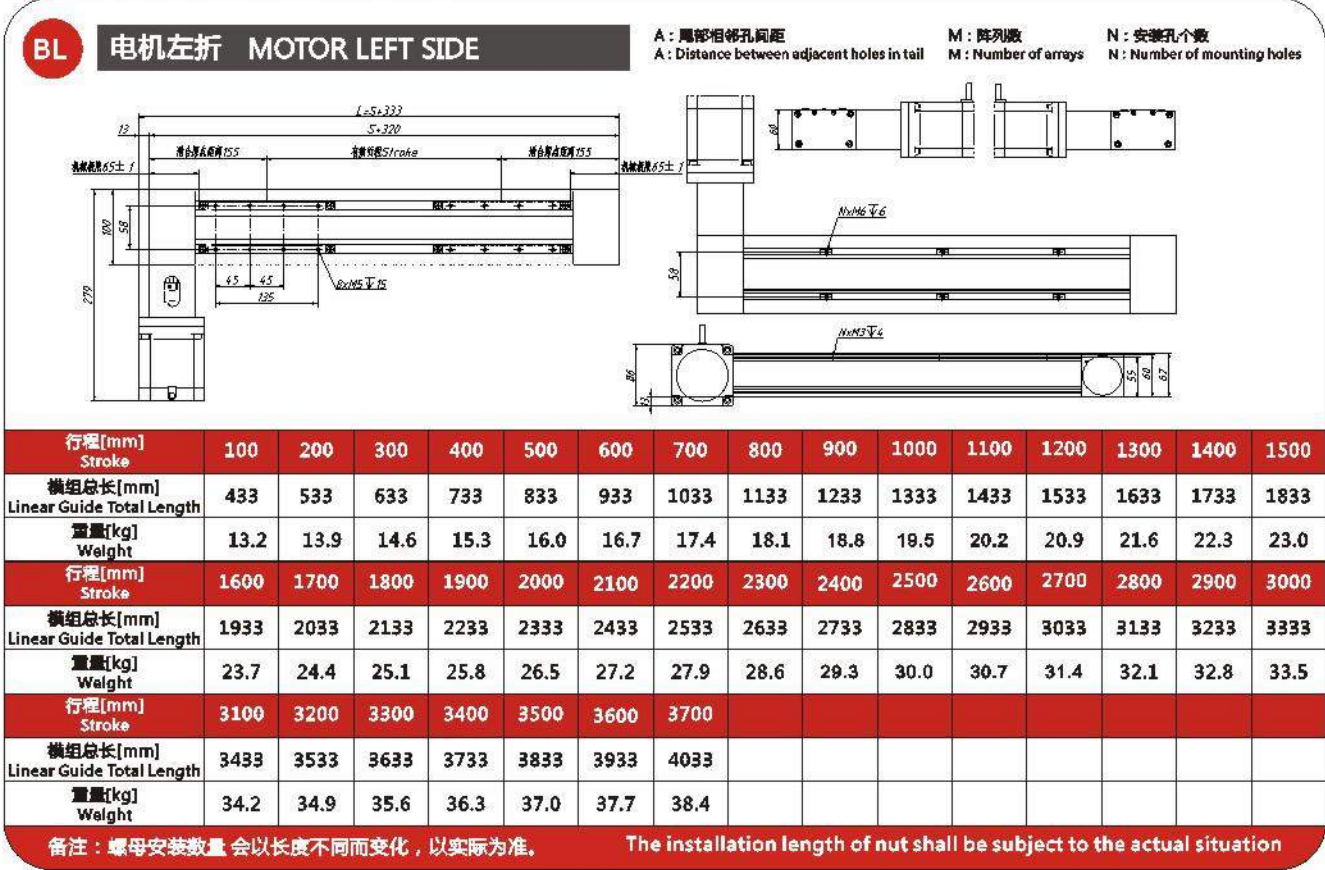
触摸屏 Touch screen	控制器 Controller	限位开关 Limit switch	直流电源型号 DC power model	驱动器型号 Drive model
TPC7062HW	FSC-2A	SN04-N(NPN.NO)	PMT-24V350W	FMDT220A48NOM
	FMC4030		LRS-350-24	
			PMT-24V100W	

FBL100 直线模组-技术参数

FBL100-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	90
	水平最大负载[kg] Max Horizontal Loadings	40
	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	20
	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	1200
	垂直满载速度[mm/s] Max Vertical Full Speed	1050
	额定加速度[mm/s ²] Rated Acceleration	3000
	最大推力[N] Maximum thrust	170
	储藏温度[°C] Storage temperature	-15°C—+60°C
	IP等级 IP LEVEL	IP51

FBL100 直线模组-尺寸图
FBL100-DIMENSIONAL DRAWING



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

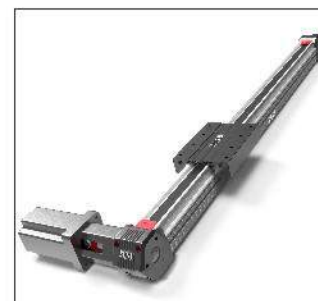
TFT-LCD液晶面板设备，太阳能设备，食品设备，包装设备，CNC加工设备。
Semiconductor device, LED online device, solar equipment, FPD equipment



FPB45 直线模组
FPB45 LINEAR MODULE
P53



FPB50 直线模组
FPB50 LINEAR MODULE
P56



FPB60 直线模组
FPB60 LINEAR MODULE
P59



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	导轨 Lead	同步带模组 Synchronous belt module	电机位置 Motor position	厂牌 Brand name	
型号 Model	本体宽 (mm) Wide(mm)	有效行程 Effective trip	同步带滑台 Belt slide	伺服电机 Servo motor	
FPB45	45	80mm	L 电机左方 Motor Left	P松下 10:100W	
		型号 标准行程 Model Stroke (mm)	LU 电机左上方 Motor Upper Left	T台达 20:200W	
		FPB45 E100-3500	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	

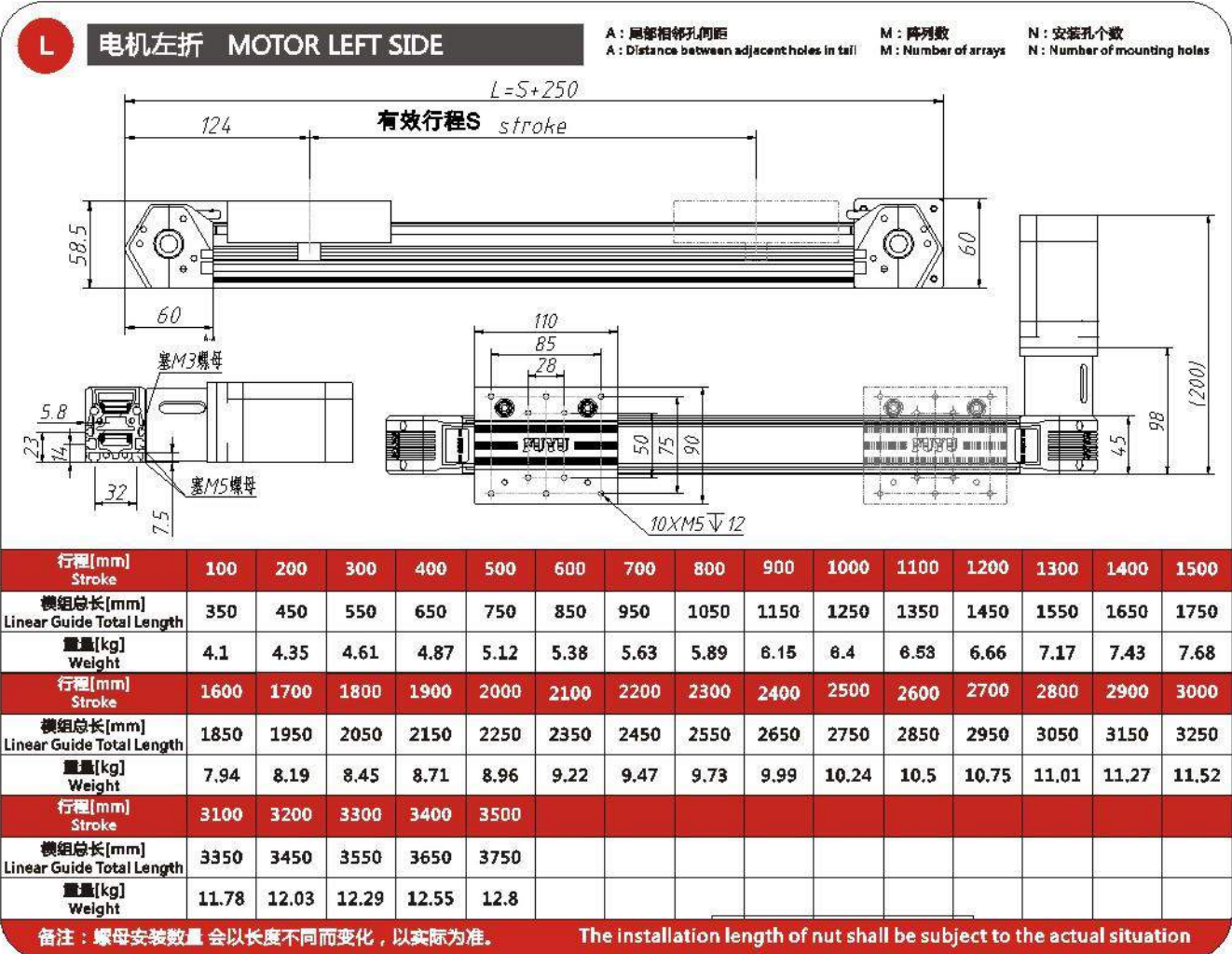
FPB45直线模组-搭配一览表
FPB45-COLLOCATION LIST

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					
	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	
	400W伺服电机 Servo motor	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°C—+60°C					

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

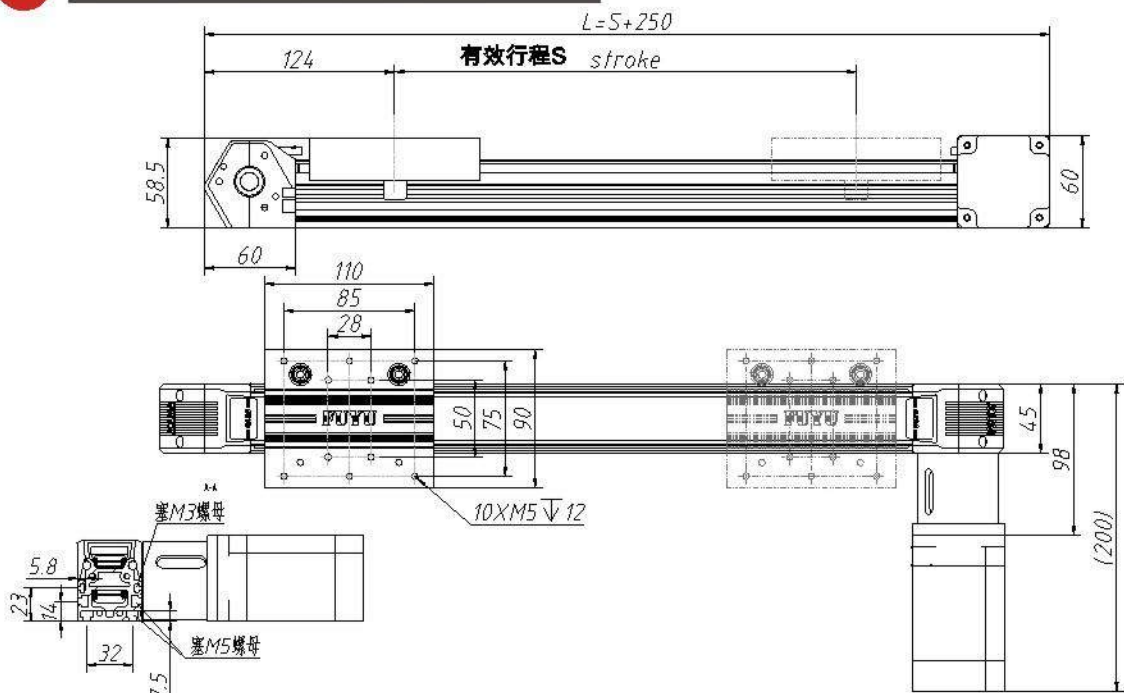
A: Distance between adjacent holes in tail

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	单导轨同步带模组 Single Rail Belt Linear Guide	同步带模组 Synchronous belt module	电机位置 Motor position	厂牌 Brand name	
型号 Model	本体宽 (mm) Wide(mm)	有效行程 Effective trip	同步带滑台 Belt slide	伺服电机 Servo motor	
FPB50	50	95mm	L 电机左方 Motor Left 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	P松下 10:100W T台达 20:200W Y安川 40:400W M三菱	
		型号 Model		步进电机 Stepping motor	
		标准行程 Stroke (mm)		※ 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

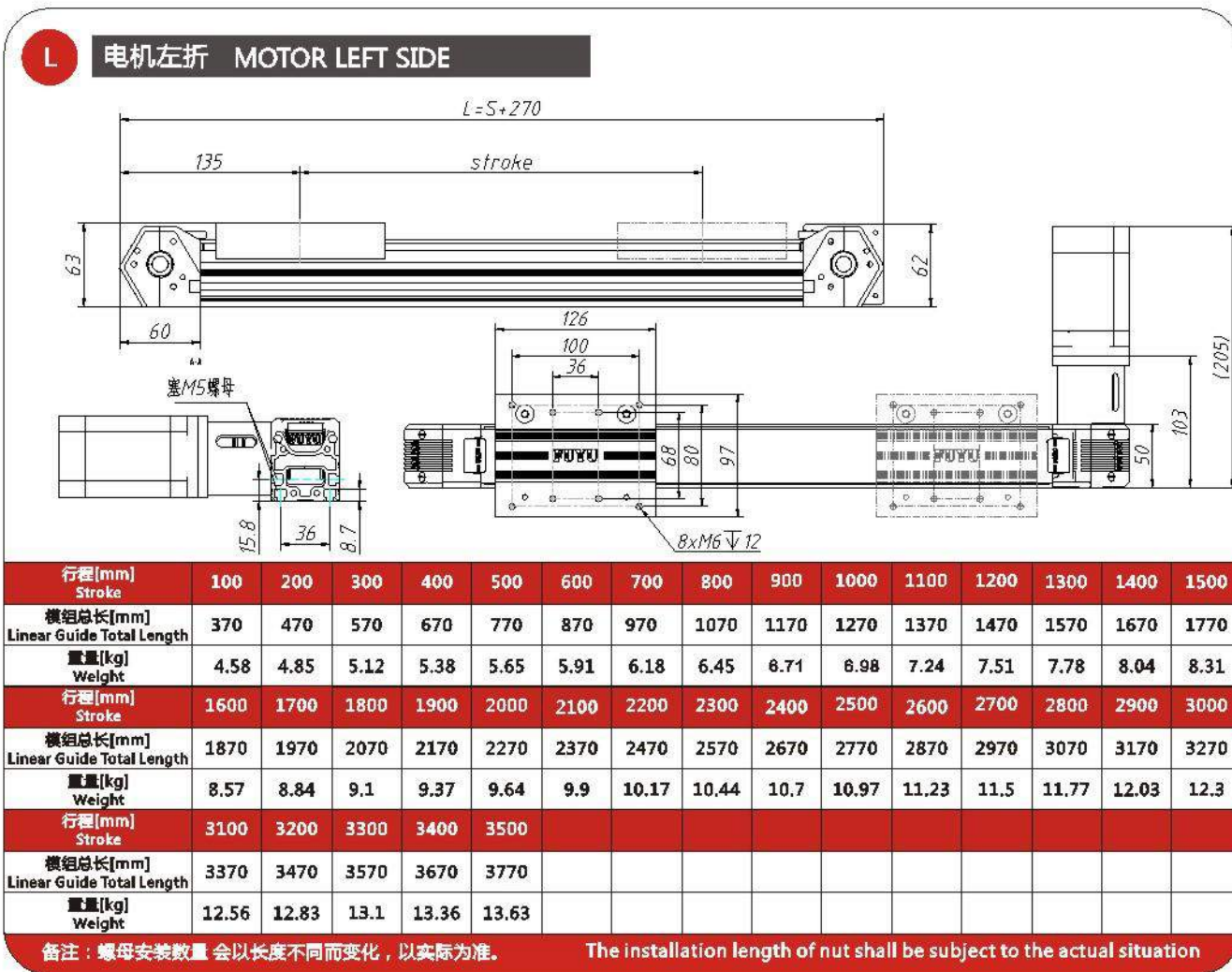
FPB50-COLLOCATION LIST

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	

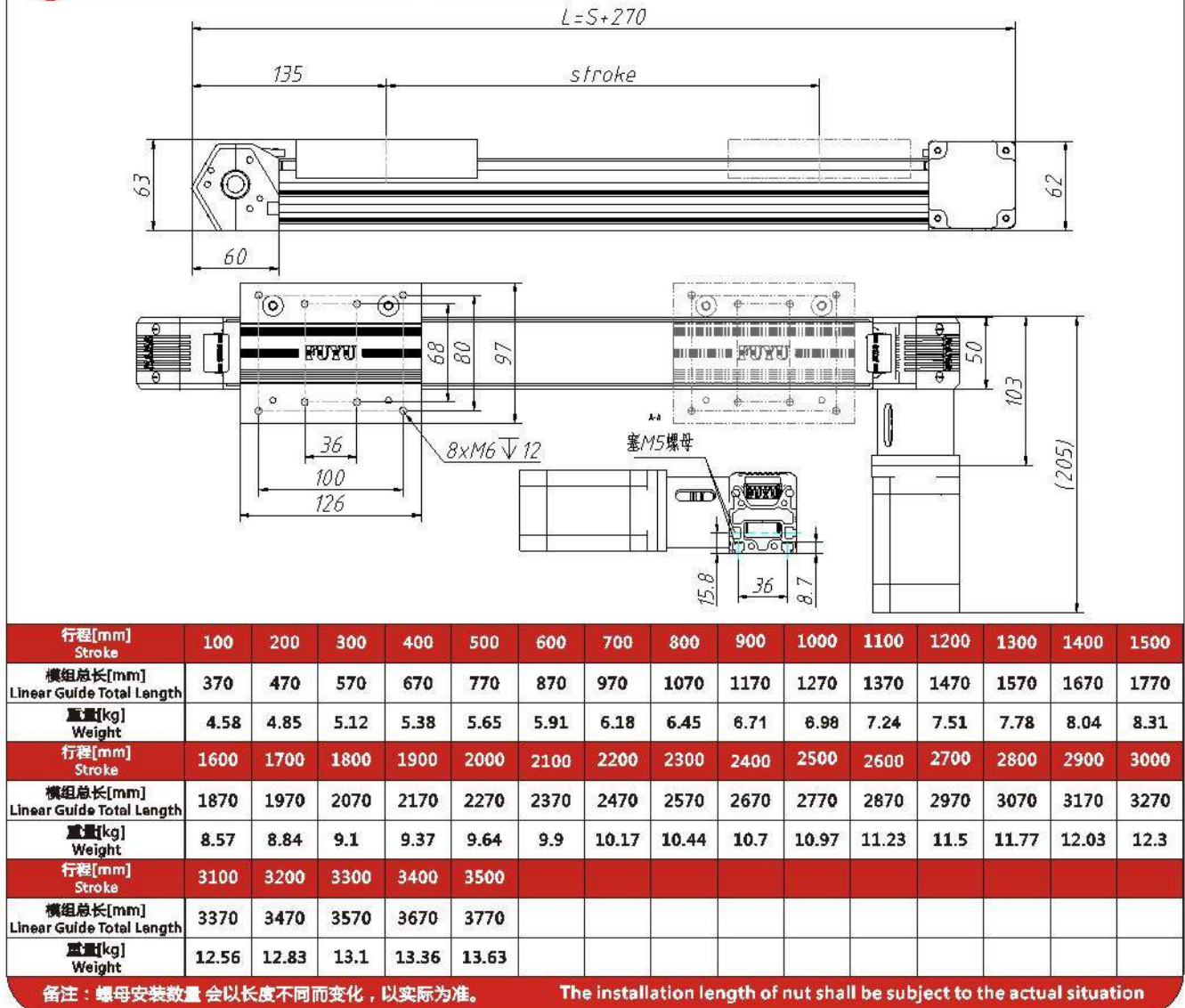
FPB50 直线模组-技术参数
FPB50-TECHNICAL PARAMETER

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



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	导轨 Lead	同步带模组 Synchronous belt module	电机位置 Motor position	厂牌 Brand name	
型号 Model	本体宽 (mm) Wide(mm)	有效行程 Effective trip	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	
		型号 Model	LU 电机左上方 Motor Upper Left	T台达 20:200W	
		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

