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www.fyumotion.com (English)

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。
specializing in the development, production, and sales of single-axis
and multi-axis linear module, motion controllers industrial equipment.

直线运动系统智造商

LINEAR MOTION SYSTEM INTELLIGENT
PRODUCTS MANUFACTURER

二零二零年 3.0

真實擔當
持續精進

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FSK模组	
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三轴直角坐标机器人	
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82项
知识产权
intellectual property rights

19项
资质认证
industry qualification certifications

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

12K+
累计客户资源
accumulated coverage companies

146%
年均增长幅度
Sales growth

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

2011 11

”

“

”

82

“ TUV ”

90

6

CE, ROHS FCC Ip

“

”

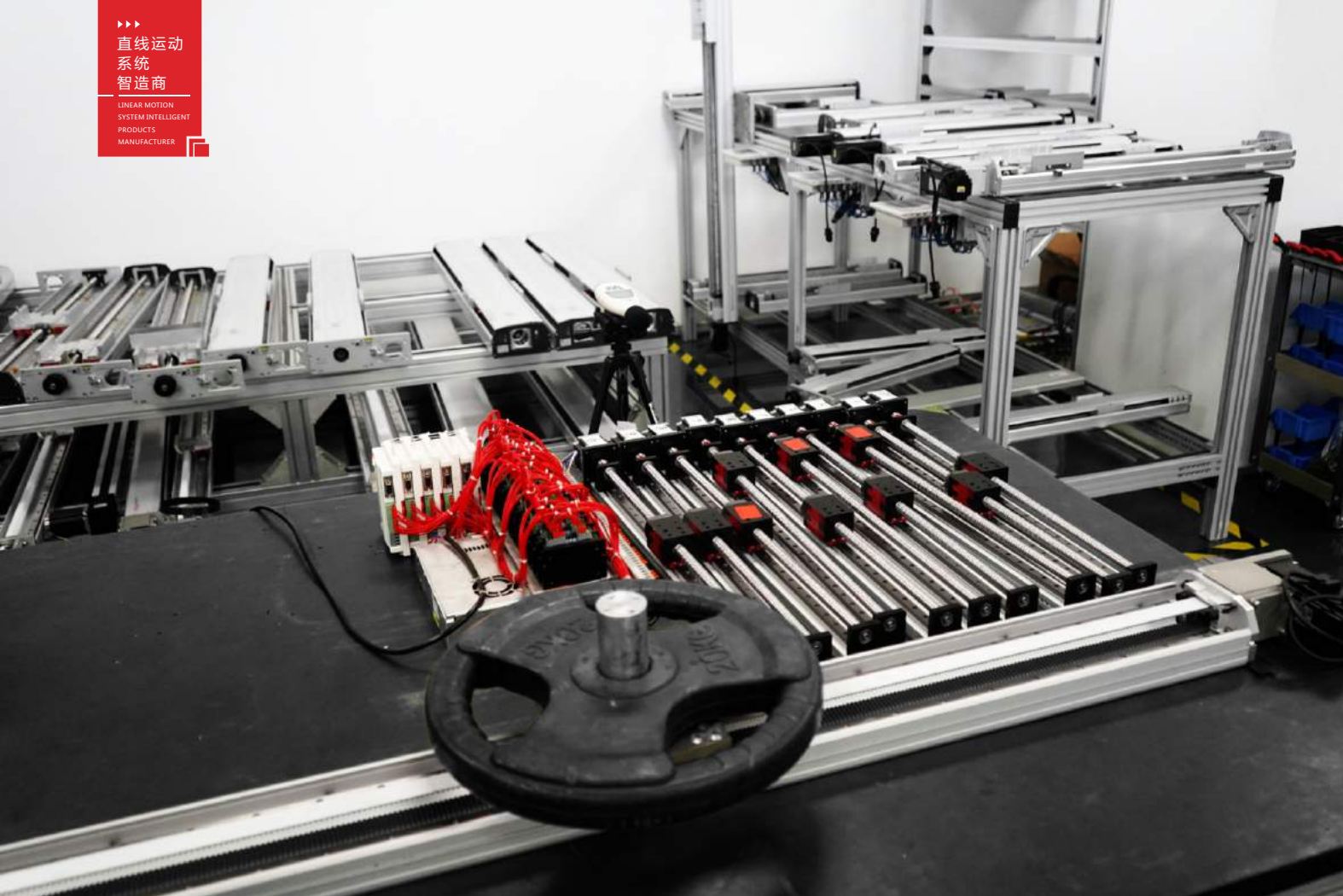
ISO9001 - 2015

76

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, 82 intellectual property rights have been authorized, involving 6 invention patents, utility model, appearance patents and 76 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 and Keep Improving", constantly iteratively optimize products and services to get win-win opportunities with more partners.

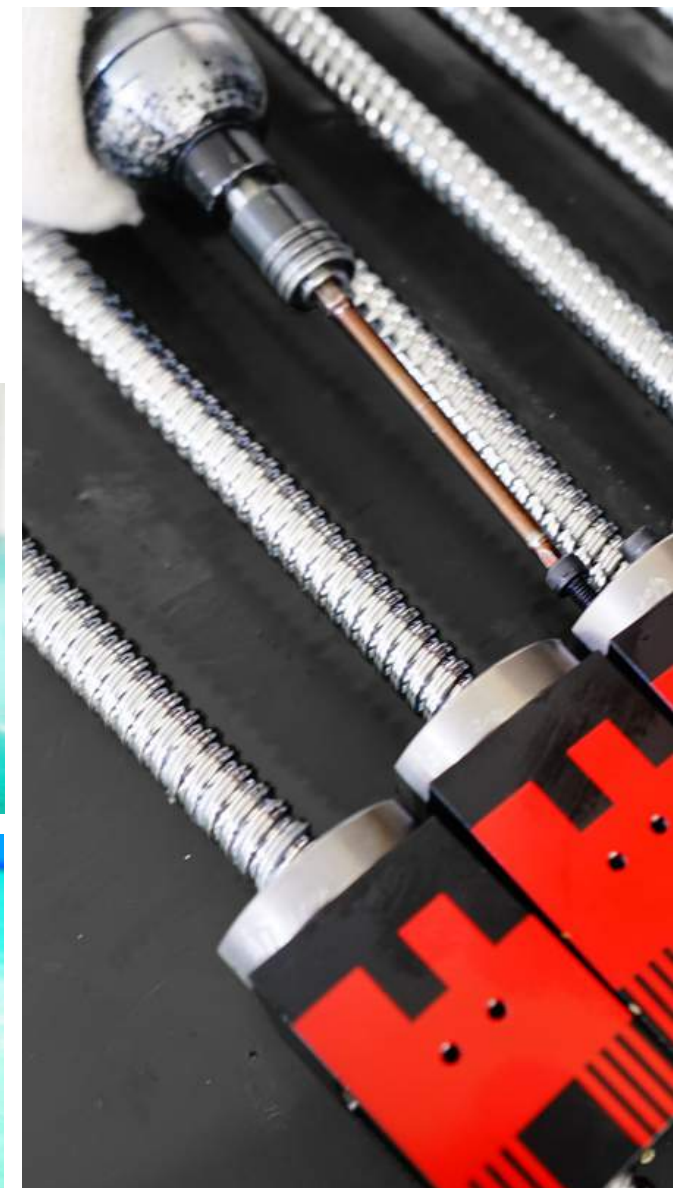
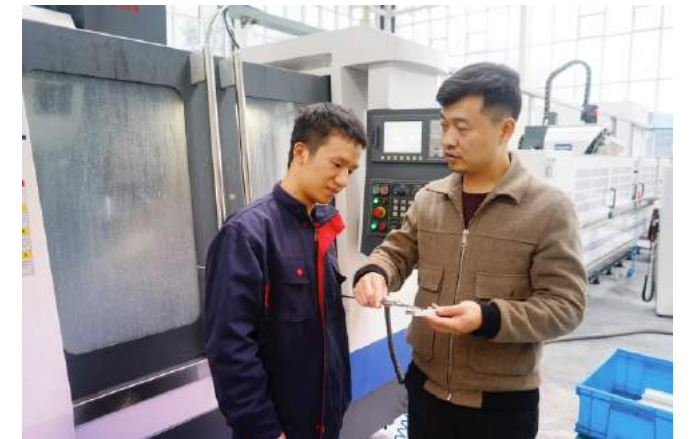


生产工艺

PRODUCTION
PROCESS

80

FUYU has a development perspective of the world, all products are in strict accordance with the production process and standards, the 80 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



FUYU Technology R&D centre located in Chengdu, From finite element analysis structure of device, material analysis to processing technology, assembly technology, detection method, smart software, underlying algorithm etc, and gathered international imported talents, professor, experts of Thousand People Plan of Sichuan province, city young talents plan, technical team of industry elite, the company already have over 80 patents till 2018, provide quick, high quality customization service for customers

2019

80

品质
检验

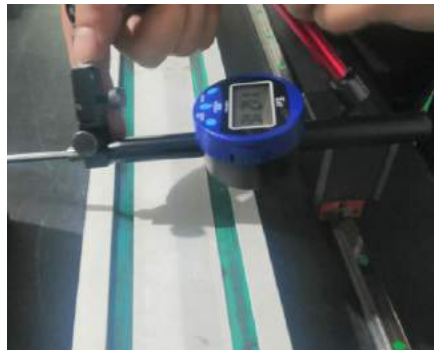
QUALITY
RESTRICTION

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



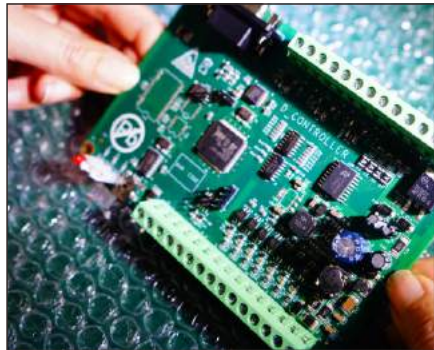
1、检测平行度/等高度
Detect parallelism / equal height



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



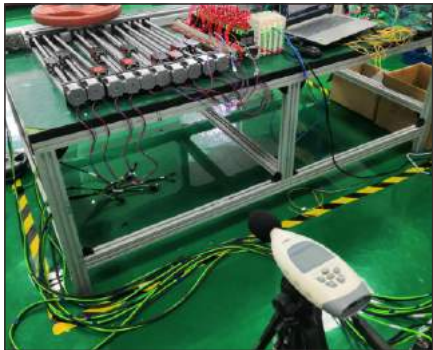
3、检测重复定位精度
Detection of repeated positioning accuracy



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



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.

产品
概述

PATENT
REPORT

公司荣誉 COMPANY HONOR



权威检测 AUTHORITATIVE TESTING



产品认证 PRODUCT CERTIFICATE



公司 资质

COMPANY
QUALIFICATION

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!

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



Loading and unloading manipulator



Laser Engraving



Wall Painting



n95
Mask Edge Banding Machine



Sorter



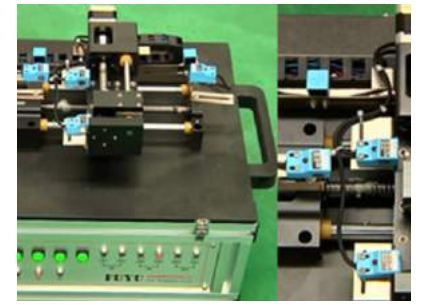
Cutting Machine

应用 行业

CASE
PRESENTATION



Intelligent catering



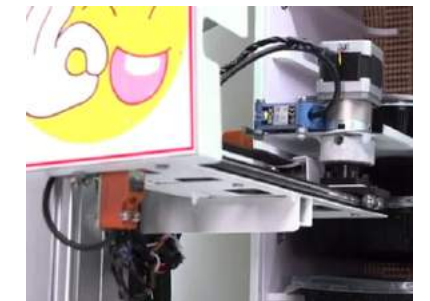
University simulation
experiment platform



3D
3D dynamic screen device



Aligning device for
pick - and - place of IC boards



Vending machine



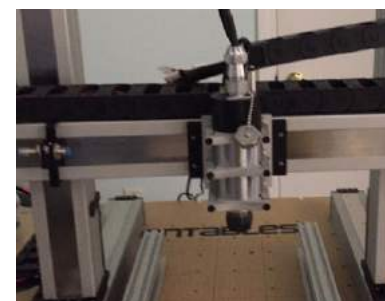
Application of Shangchao module



Smart home



Cutting equipment



Dispensing equipment

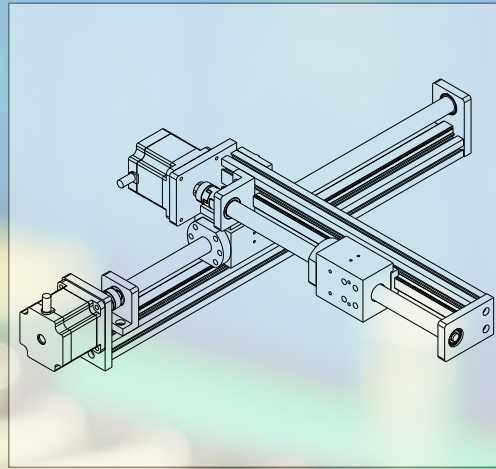


Circuit board spraying
equipment



Handling of electrical
components

FSK模组 FSK LINEAR GUIDE



结构小巧 微型模组 COMPACT AND VERSATILE

Micro screw module, high cost performance, suitable for general environment. 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

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

LED

TFT-LCD LCD panel equipment, semiconductor equipment, led online equipment, solar energy equipment



FSK30 T型直线模组
FSK30 LINEAR MODULE

»» P11

FSK30T型模组

FSK30 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
50~300

垂直最大负载[kg]
Max Vertical Loading
1

水平最大负载[kg]
Max Horizontal Loadings
3

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 Screw 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 28X28
		04	4mm			※ B35 35X35
		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-1A	FY-SPX307	PMT-24V350W	FMDD36D22NOM
	AMC4030		PMT-24V100W	
			PMT-24V50W	
			LRS-100-24	
			LRS-350-24	

FSK30 直线模组-技术参数
FSK30-TECHNICAL PARAMETER

TECHNICAL PARAMETER

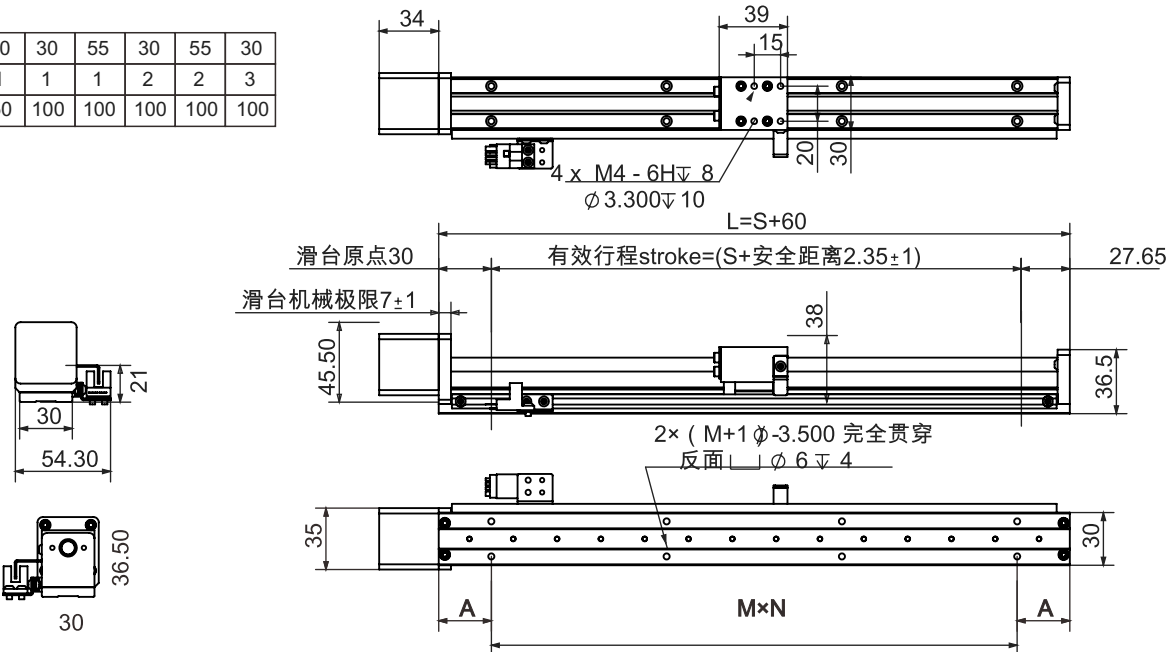
重复定位精度[mm] Position Accuracy	±0.05		
T型丝杆直径[mm] Ladder type Screw Diameter	φ8	φ8	φ8
T型丝杆导程[mm] Stroke	2	4	12
水平最大负载[kg] Max Horizontal Loadings	4		
垂直最大负载[kg] Max Vertical Loading	1		不推荐 not recommend
空载速度[mm/s] Without Loading Speed	100	255	300
水平满载速度[mm/s] Max Horizontal Full Speed	70	130	250
垂直满载速度[mm/s] Max Vertical Full Speed	50	100	不建议垂直
额定加速度[mm/s ²] Rated Acceleration	600		
最大推力[N] Maximum thrust	30		

FSK30 直线模组-尺寸图
FSK30-DIMENSIONAL DRAWING

BC

电机直连 MOTOR EXPOSED

A	30	30	55	30	55	30
M	1	1	1	2	2	3
N	50	100	100	100	100	100

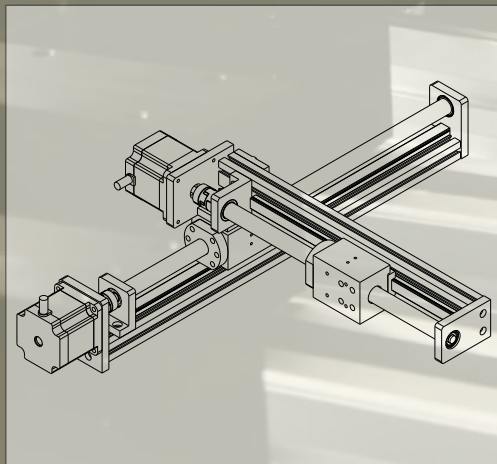


行程[mm] Stroke	50	100	150	200	250	300									
模组总长[mm] Linear Guide Total Length	110	160	210	260	310	360									
重量[kg] Weight	0.7	0.8	0.9	1.0	1.1	1.2									

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

FSL系列模组 FSL LINEAR GUIDE



高质高量 通用性强 SUPERIOR QUALITY AND STRONG VERSATILITY

FSL

FSL series module, good stability, compact structure, and has open and 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

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

LED

FPD

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



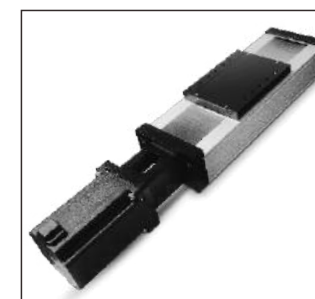
FSL40 直线模组
FSL40 LINEAR MODULE
»» P15



FSL60 直线模组
FSL60 LINEAR MODULE
»» P17



FSL80 直线模组
FSL80 LINEAR MODULE
»» P21



FSL120 直线模组
Fs120 LINEAR MODULE
»» P25

FSL40直线模组

FSL40 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

±0.02

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

FSL40 直线模组-型号表示方式

FSL40-ORDERING METHOD

※为标配电机

FSL40		E300		10	C7		BC	B57		B
丝杆模组-FSL系列 Screw module - FSL series		导程 Screw 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		
FSL40	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		标准行程 Wide(mm)	丝杆驱动 Ball Screw Driven		C7 ±0.02	※ B57 57X57		
		Ø12 50-500						B60 60X102		
		Ø16 50-1000						刹车 brake		
								无刹车不表示 Extra Enquiry If Need Brake		

FSL40 直线模组-搭配一览表

FSL40-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-1A	SN04-N	PMT-24V350W	FMDD50D40NOM
	AMC4030		PMT-24V100W	
			PMT-24V50W	
			LRS-100-24	
			LRS-350-24	

FSL40 直线模组-技术参数

FSL40-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	φ12	φ16	φ16
	滚珠丝杆导程[mm] Ball Screw Stroke	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
	额定加速度[mm/s ²] Rated Acceleration	500		
	最大推力[N] Maximum thrust	471	376	188

FSL40 直线模组-尺寸图

FSL40-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
	L=S+143														滑台机械极限9±1	
	有效行程Stroke (S+安全距离3±1)														滑台机械极限66±1	
	4-M4▽12														底部为 M4 螺母安装槽	
	2-M3▽6 对面位置两孔															
	56															
	15.2															
	70.2															
	45.8															
	79															
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		193	243	293	343	393	443	493	543	593	643	743	843	943	1043	1143
重量[kg] Weight		2.1	2.2	2.4	2.5	2.7	2.8	3.0	3.1	3.3	3.4	3.7	4.0	4.3	4.6	4.9
备注 : 可选配57电机、60电机、台达电机,具体参数请联系我们 The installation length of nut shall be subject to the actual situation																

FSL60直线模组

FSL60 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
±0.02

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

※为标配电机

FSL60	E300	10	C7	BC	B60	B
丝杆模组-FSL系列 Screw module - FSL series	导程 Screw lead	丝杆滑台 Screw Slider	电机位置 Motor position	丝杆滑台 Screw Slider	厂牌 Brand name	
型号 Model	本体宽 (mm) Wide(mm)				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	
			丝杆驱动 Ball Screw Driven		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-1A AMC4030	SN04-N(NPN.NO)	PMT-24V350W LRS-350-24	FMDD50D40NOM

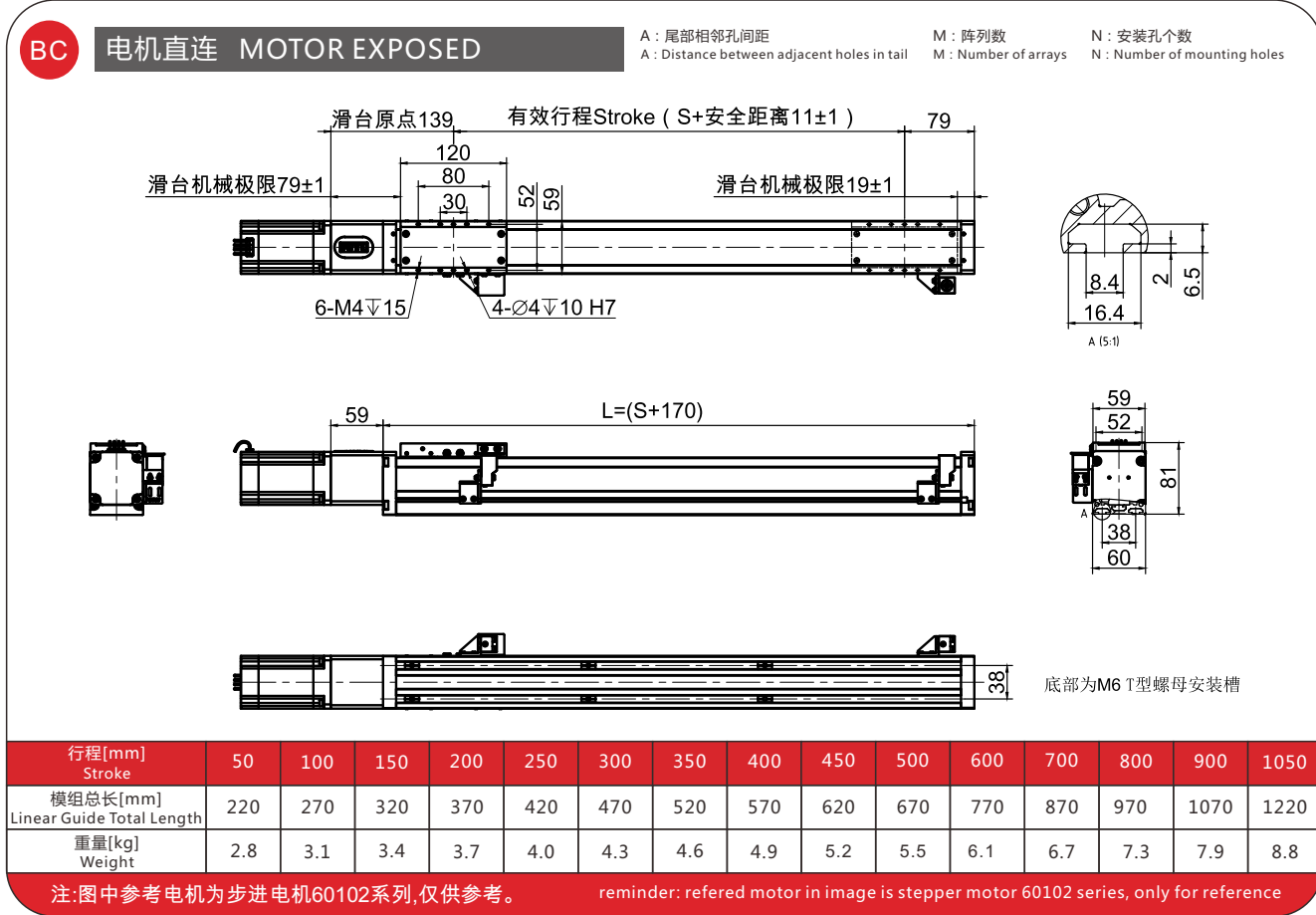
FSL60 直线模组-技术参数

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] Ball Screw Stroke	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	10	10
	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	300
	垂直满载速度[mm/s] Max Vertical Full Speed	80	180	200
	额定加速度[mm/s ²] Rated Acceleration	500		
	最大推力[N] Maximum thrust	376	200	160

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

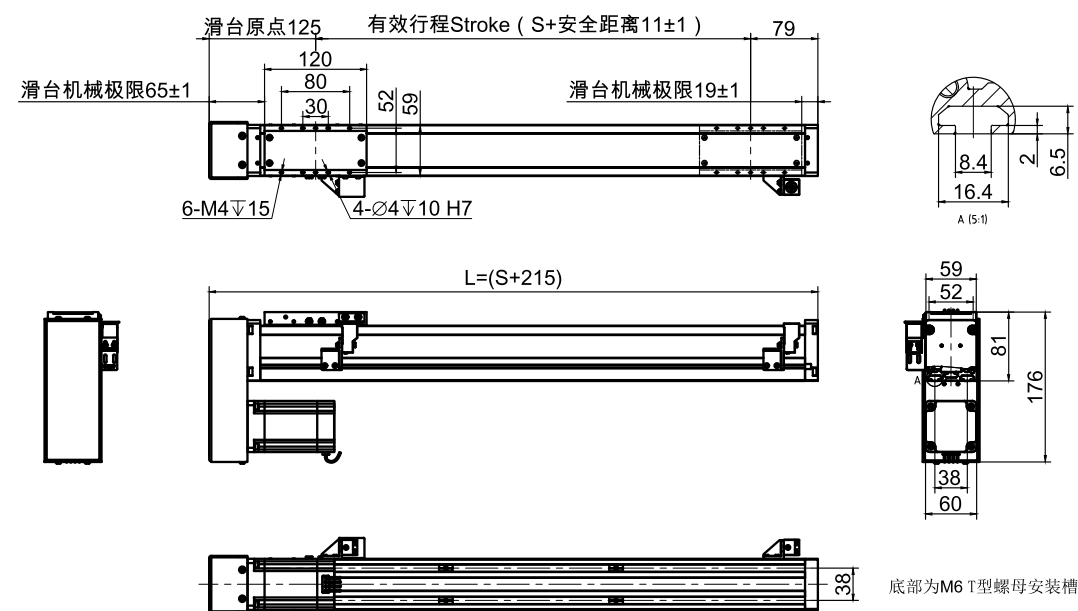
A : Distance between adjacent holes in tail

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

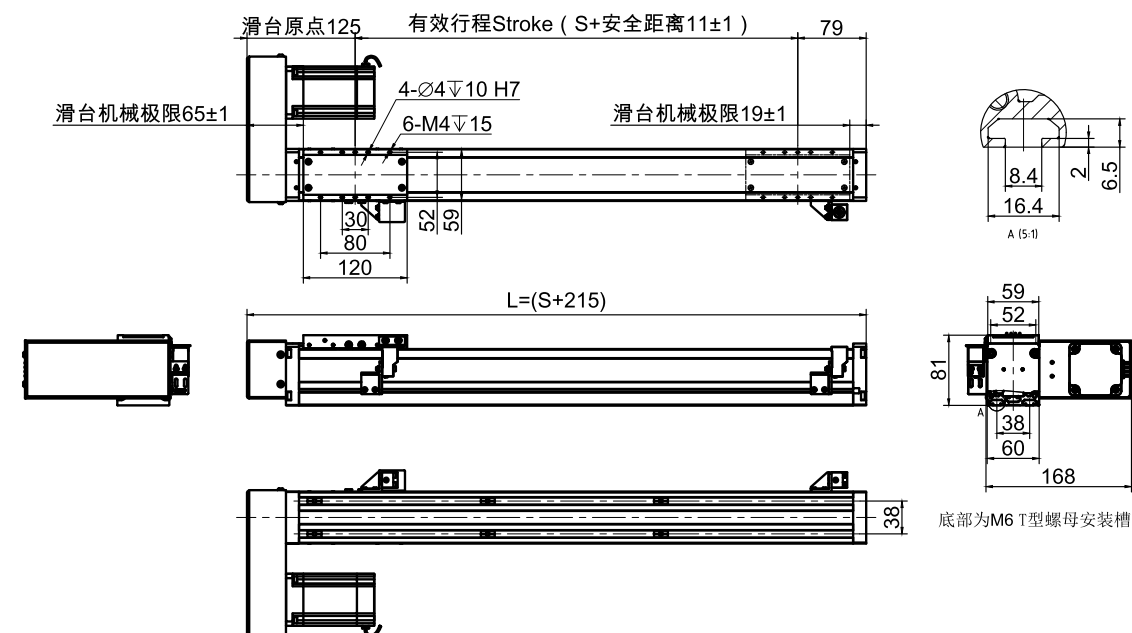
A : Distance between adjacent holes in tail

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

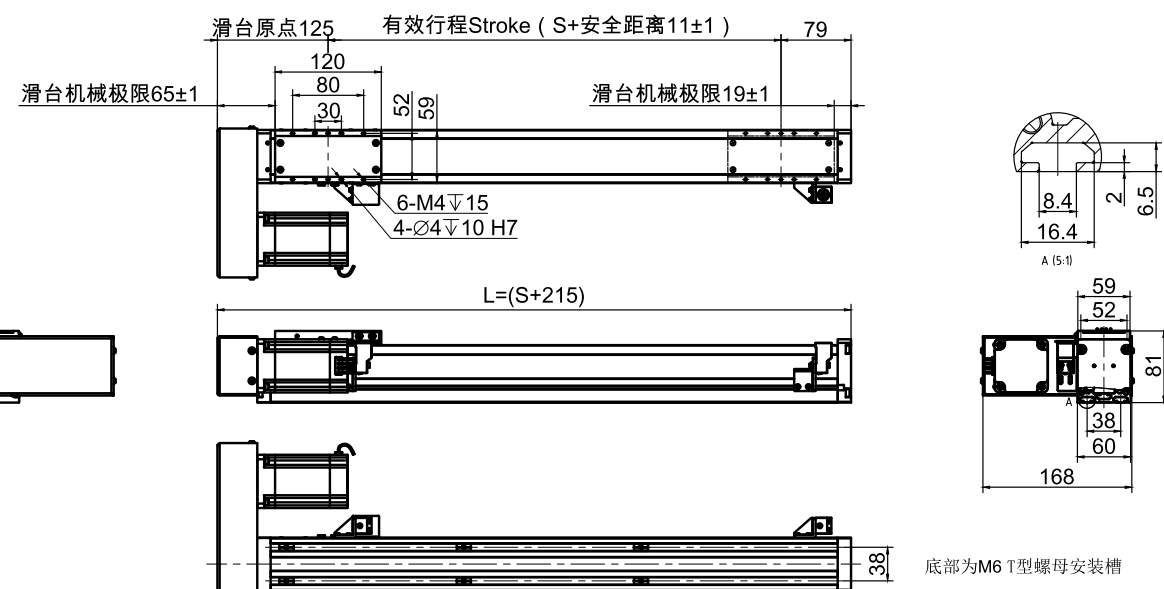
A : Distance between adjacent holes in tail

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



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

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-1A	SN04-N(NPN.NO)	PMT-24V350W	FMDD50D40NOM
	AMC4030		LRS-350-24	

FSL80 直线模组-技术参数

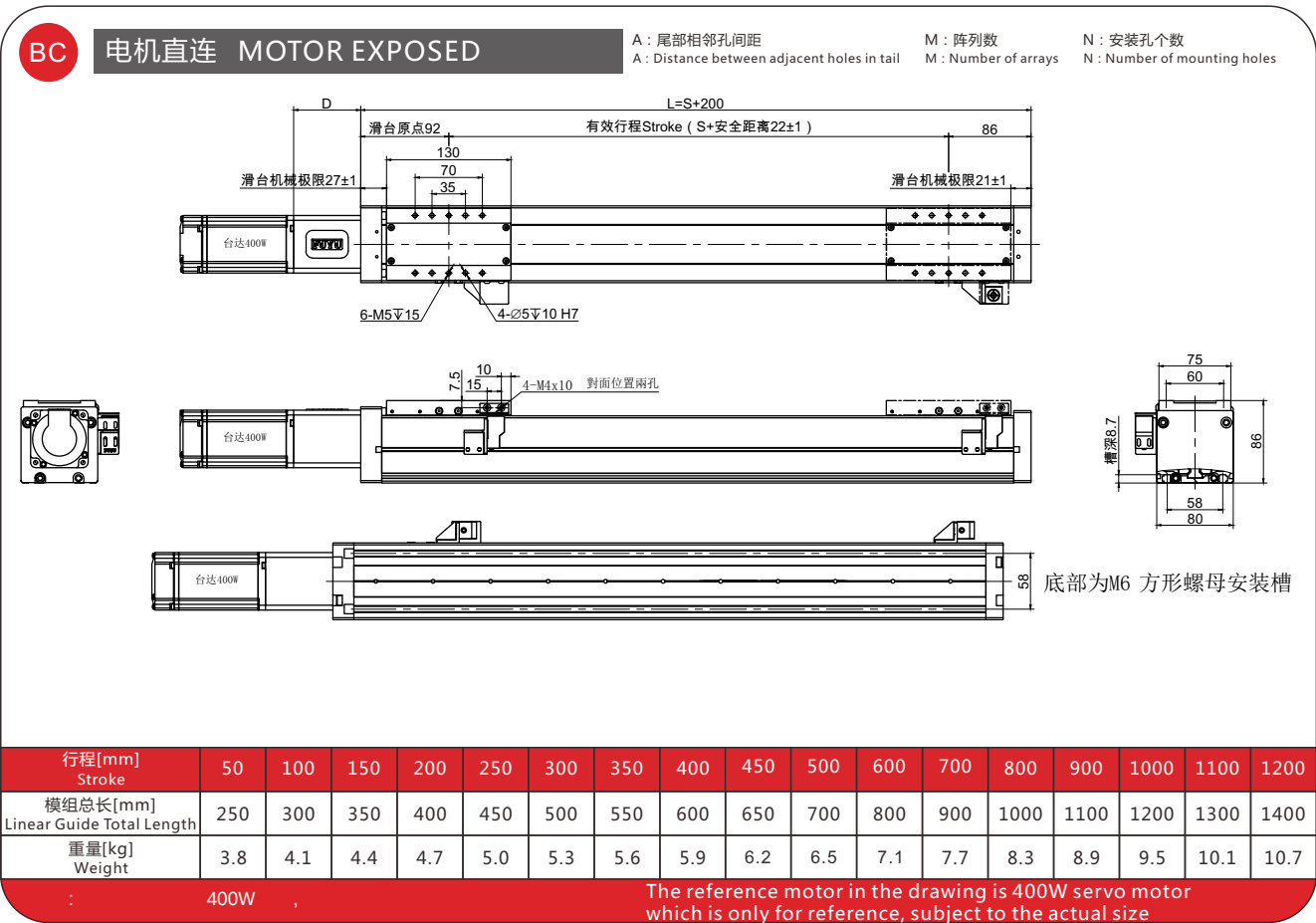
FSL80-TECHNICAL PARAMETER

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] Ball Screw Stroke	10
水平最大负载[kg] Max Honrizontal 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 Honrizontal Full Speed	210
垂直满载速度[mm/s] Max Vertical Full Speed	60
额定加速度[mm/s ²] Rated Acceleration	500
最大推力[N] Maximum thrust	452

FSL80 直线模组-尺寸图

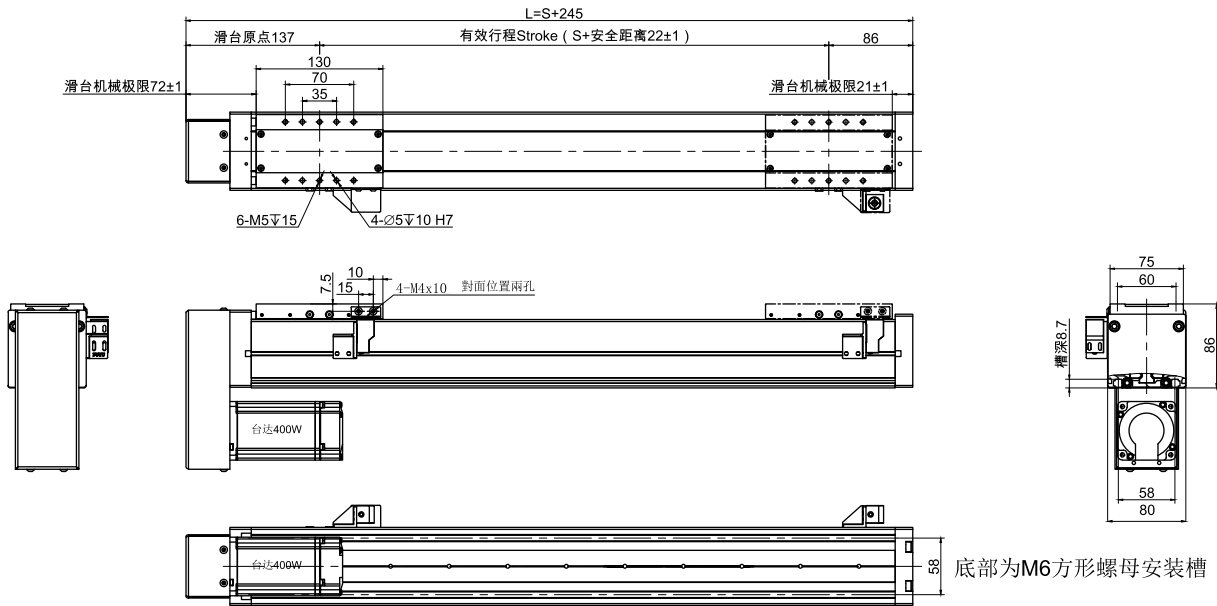
FSL80-DIMENSIONAL DRAWING



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



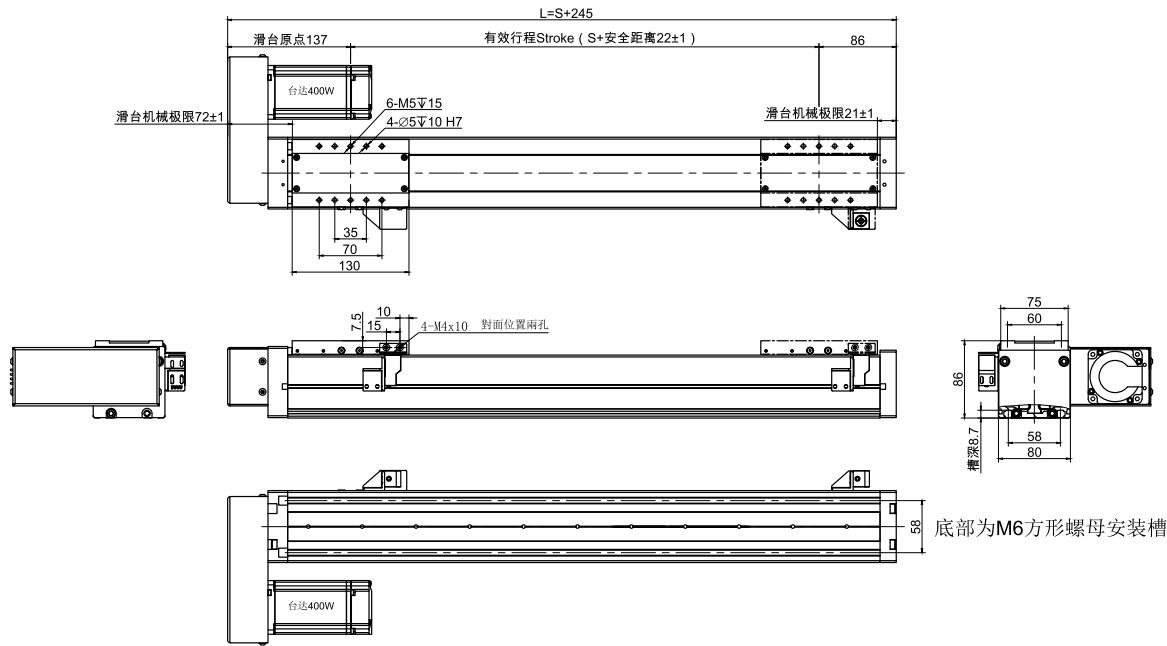
行程[mm] Stroke	50	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1100	1200
模组总长[mm] Linear Guide Total Length	295	345	395	445	495	545	645	695	745	795	845	945	1045	1145	1245	1345	1445
重量[kg] Weight	3.8	4.1	4.4	4.7	5.0	5.3	5.6	5.9	6.2	6.5	7.1	7.7	8.3	8.9	9.5	10.1	10.7

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



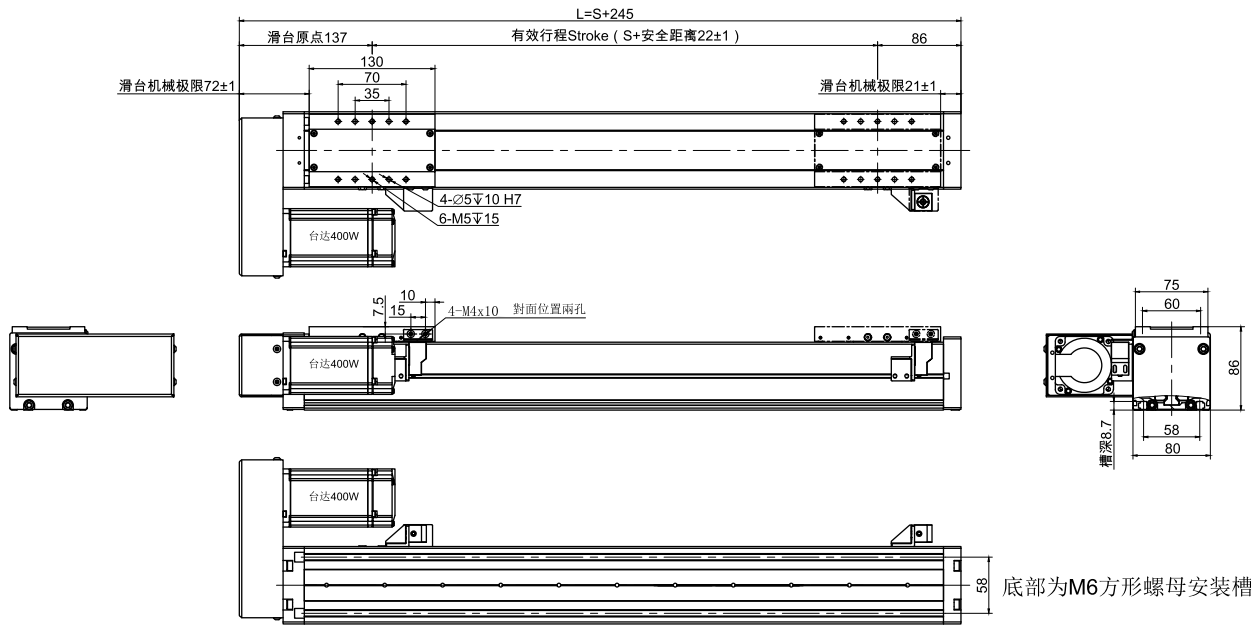
行程[mm] Stroke	50	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1100	1200
模组总长[mm] Linear Guide Total Length	295	345	395	445	495	545	645	695	745	795	845	945	1045	1145	1245	1345	1445
重量[kg] Weight	3.8	4.1	4.4	4.7	5.0	5.3	5.6	5.9	6.2	6.5	7.1	7.7	8.3	8.9	9.5	10.1	10.7

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

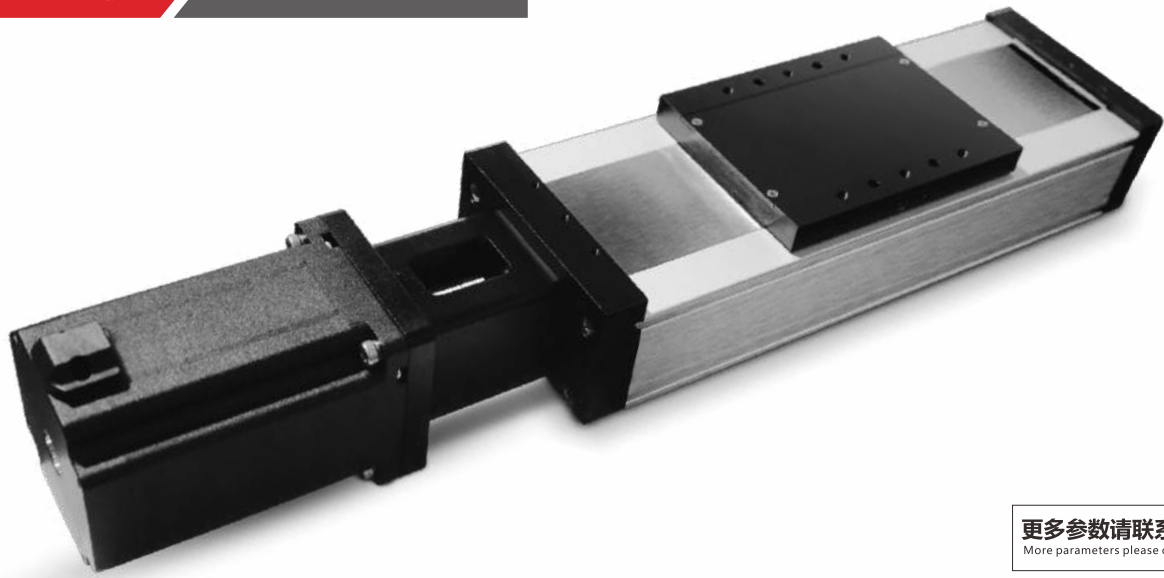


行程[mm] Stroke	50	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1100	1200
模组总长[mm] Linear Guide Total Length	295	345	395	445	495	545	645	695	745	795	845	945	1045	1145	1245	1345	1445
重量[kg] Weight	3.8	4.1	4.4	4.7	5.0	5.3	5.6	5.9	6.2	6.5	7.1	7.7	8.3	8.9	9.5	10.1	10.7

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



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

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-1A	SN04-N(NPN.NO)	PMT-24V350W	FMDT220A48NOM
	AMC4030		LRS-350-24	
			PMT-24V100W	

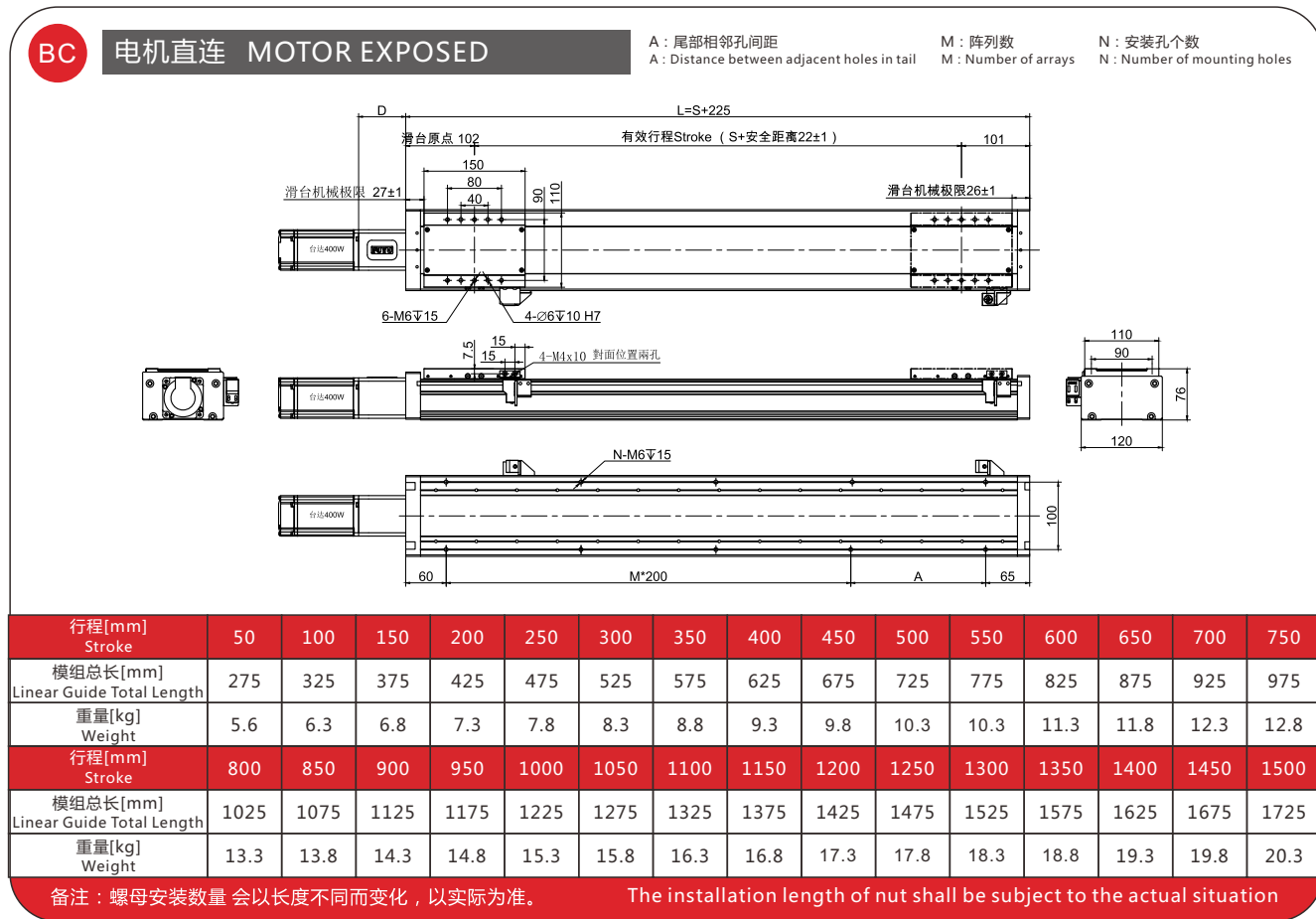
FSL120 直线模组-技术参数

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] Ball Screw Stroke	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	350	500
	额定加速度[mm/s ²] Rated Acceleration	1000	2500
	最大推力[N] Maximum thrust	2050	2050

FSL120 直线模组-尺寸图

FSL120-DIMENSIONAL DRAWING



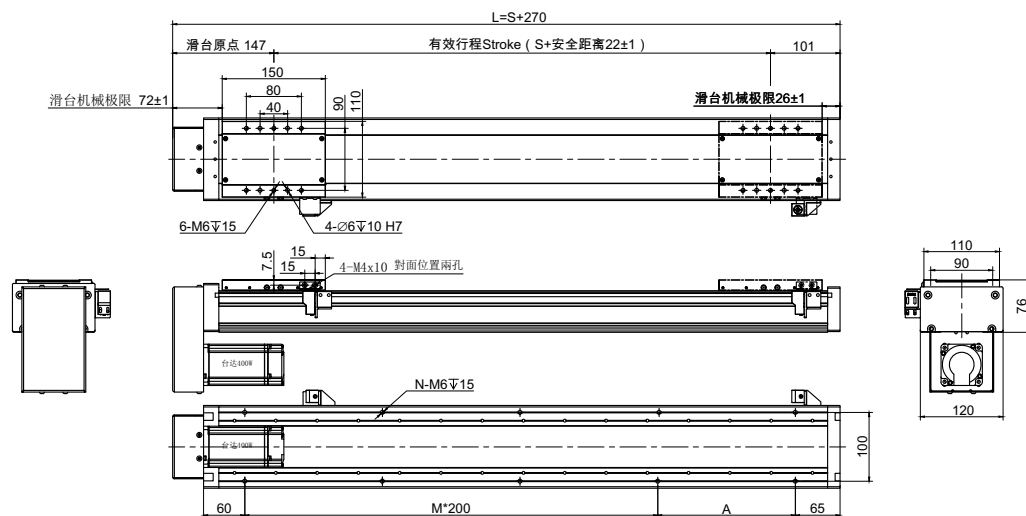
BD

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	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

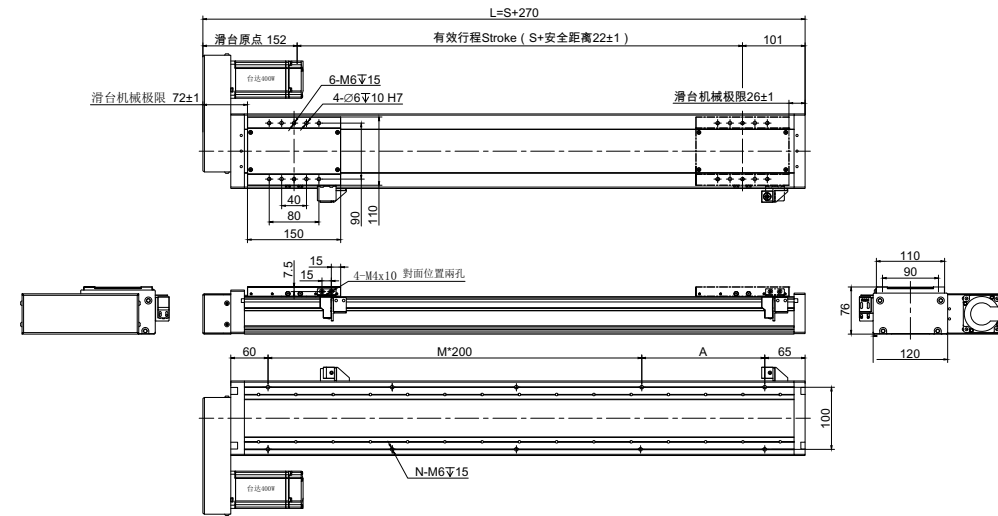
BR

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

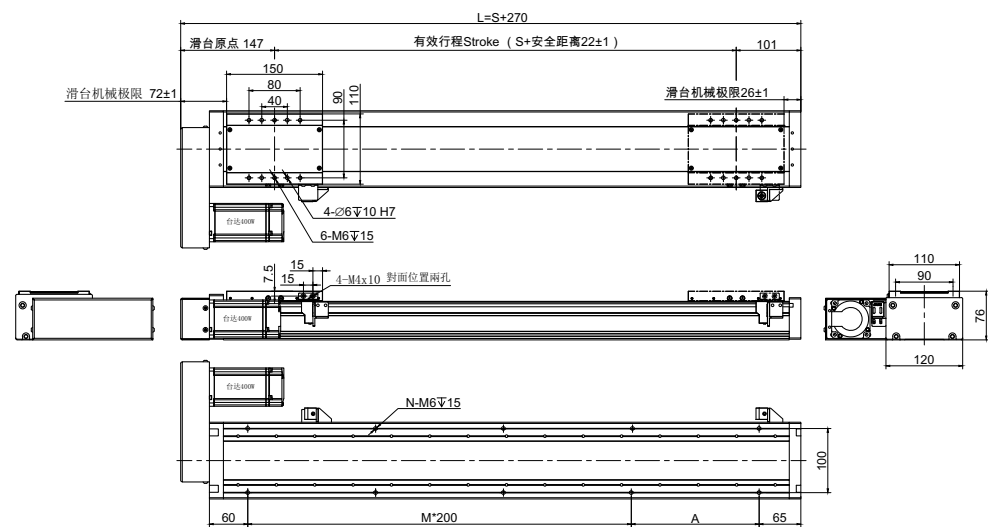
BL

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



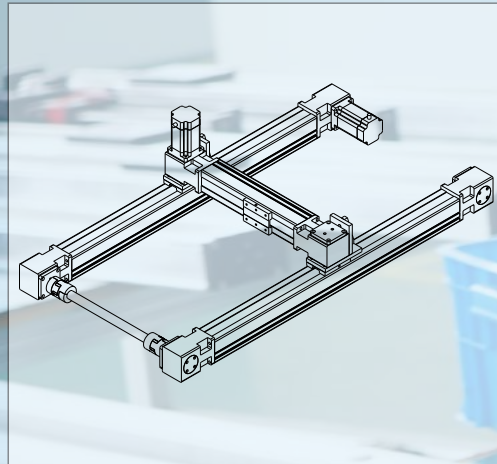
行程[mm] Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750
模组总长[mm] Linear Guide Total Length	320	370	420	470	520	570	620	670	720	770	820	870	920	970	1020
重量[kg] Weight	6.1	6.6	7.0	7.5	7.9	8.4	8.8	9.3	9.7	10.2	10.6	11.1	11.5	12.0	12.4
行程[mm] Stroke	800	850	900	950	1000	1050	1100	1150	1200	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

3900mm

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

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

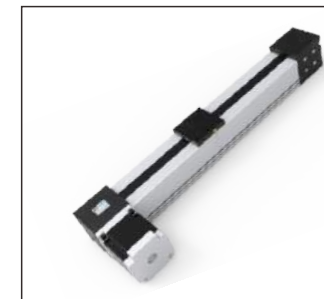
TFT - LCD

CNC

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



FBL60 直线模组
FBL60 LINEAR MODULE
»» P31



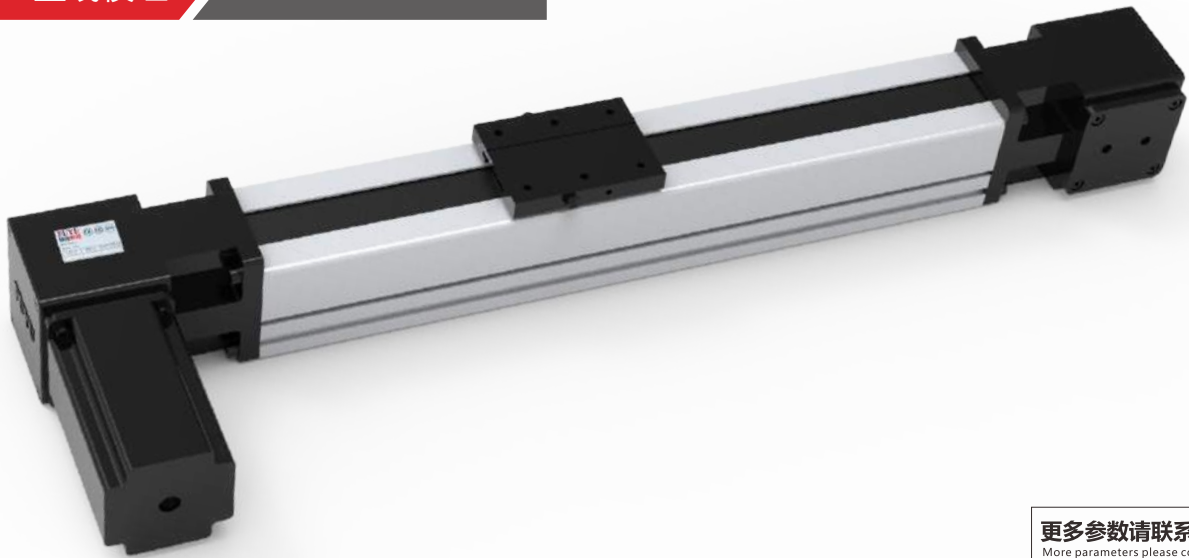
FBL80 直线模组
FBL80 LINEAR MODULE
»» P34



FBL100 直线模组
FBL100 LINEAR MODULE
»» P37

FBL60直线模组

FBL60 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
100~3900

垂直最大负载[kg]
Max Vertical Loading
不推荐
not recommend

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	B
自封式同步带模组-FBL系列 Belt module FBL series		导程 Screw 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-1A	SN04-N(NPN.NO)	PMT-24V350W	FMDD50D40NOM
	AMC4030		LRS-350-24	

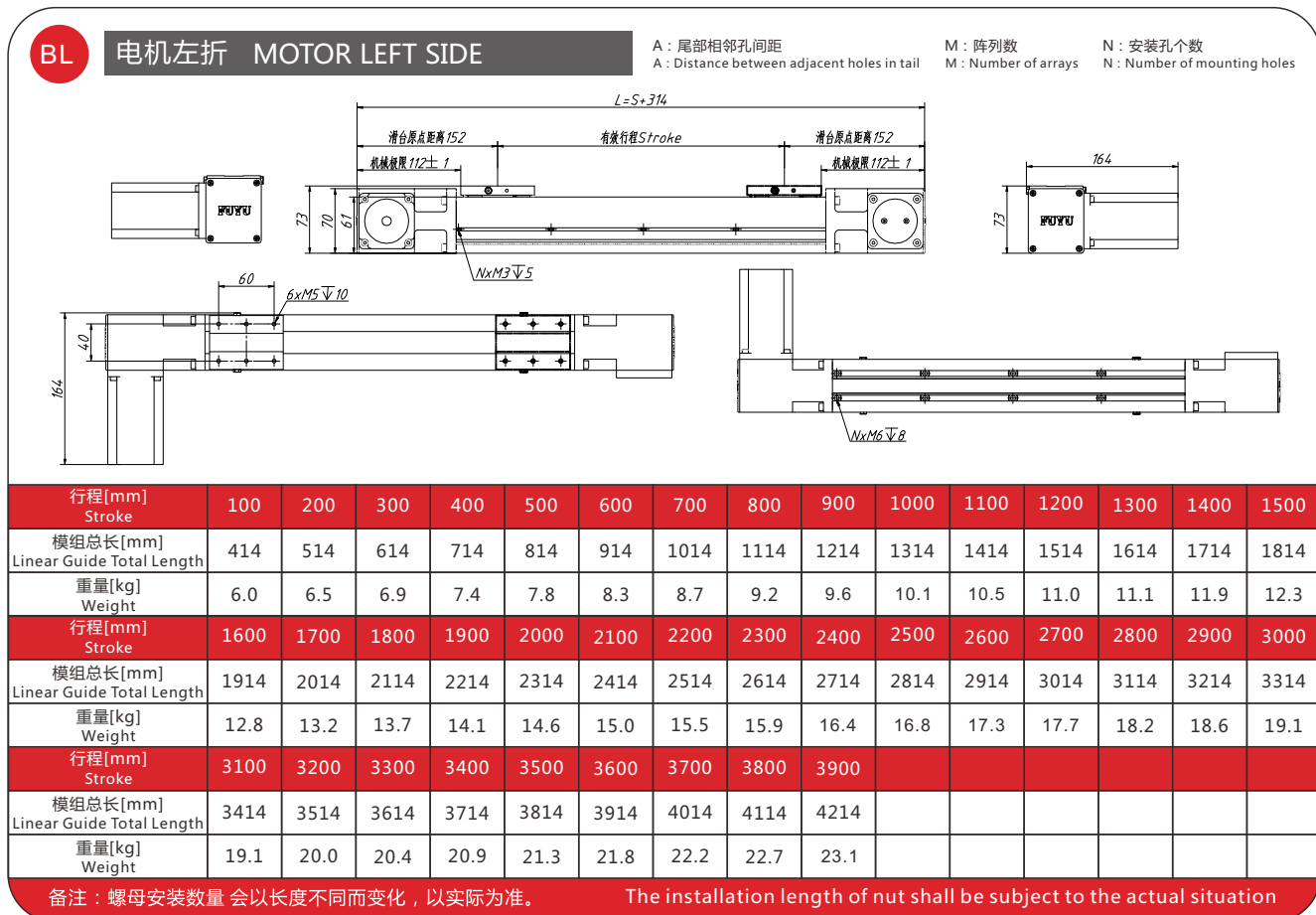
FBL60 直线模组-技术参数

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	135
	水平最大负载[kg] Max Honrizontal Loadings	30
	垂直最大负载[kg] Max Vertical Loading	不推荐 not recommend
	空载速度[mm/s] Without Loading Speed	930
	水平满载速度[mm/s] Max Honrizontal Full Speed	500
	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

FBL60 直线模组-尺寸图

FBL60-DIMENSIONAL DRAWING



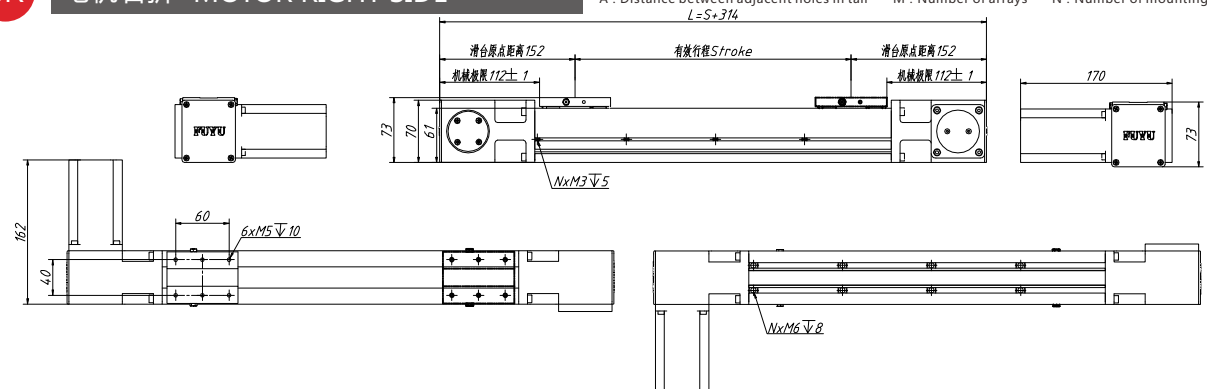
BR

电机右折 MOTOR RIGHT SIDE

A : 尾部相邻孔间距
A : Distance between adjacent holes in tail
 $L=S*3/4$

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

Single rail
单轨

BELT DRIVEN LINEAR GUIDE 同步带模组

FBL80直线模组

FBL80 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

100~3900

垂直最大负载[kg]
Max Vertical Loading

不推荐
not recommend

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		B
自封式同步带模组-FBL系列 Belt module FBL series		导程 Screw 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	
				BR	电机右折 Motor Right Side		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)				※ B86		86X98
		BL80	E100-3900						
							刹车 brake		
							无刹车不表示 Extra Enquiry If Need Brake		

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-1A	SN04-N(NPN.NO)	PMT-24V350W	FMDT220A48NOM
	AMC4030		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 Honrizontal Loadings	30
	垂直最大负载[kg] Max Vertical Loading	不推荐 not recommend
	空载速度[mm/s] Without Loading Speed	3000
	水平满载速度[mm/s] Max Honrizontal Full Speed	1700
	垂直满载速度[mm/s] Max Vertical Full Speed	650
额定加速度[mm/s²] Rated Acceleration		3000
最大推力[N] Maximum thrust		90

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

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

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
不推荐
not recommend

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

※为标配电机

FBL100		E300	89.95	BL		B86	B
双导轨同步带模组 Dual Rail Belt Linear Guide		导程 Screw lead		电机位置 Motor position		厂牌 Brand name	
型号 Model		同步带滑台 Wheel perimeter		丝杆滑台 Screw Slider		伺服电机 Servo motor	
FBL100		89.95mm		BL 电机左折 Motor Left Side		P松下 75:750W	
				BR 电机右折 Motor Right Side		T台达	
						Y安川	
						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	

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-1A	SN04-N(NPN.NO)	PMT-24V350W	FMDT220A48NOM
	AMC4030		LRS-350-24	
			PMT-24V100W	

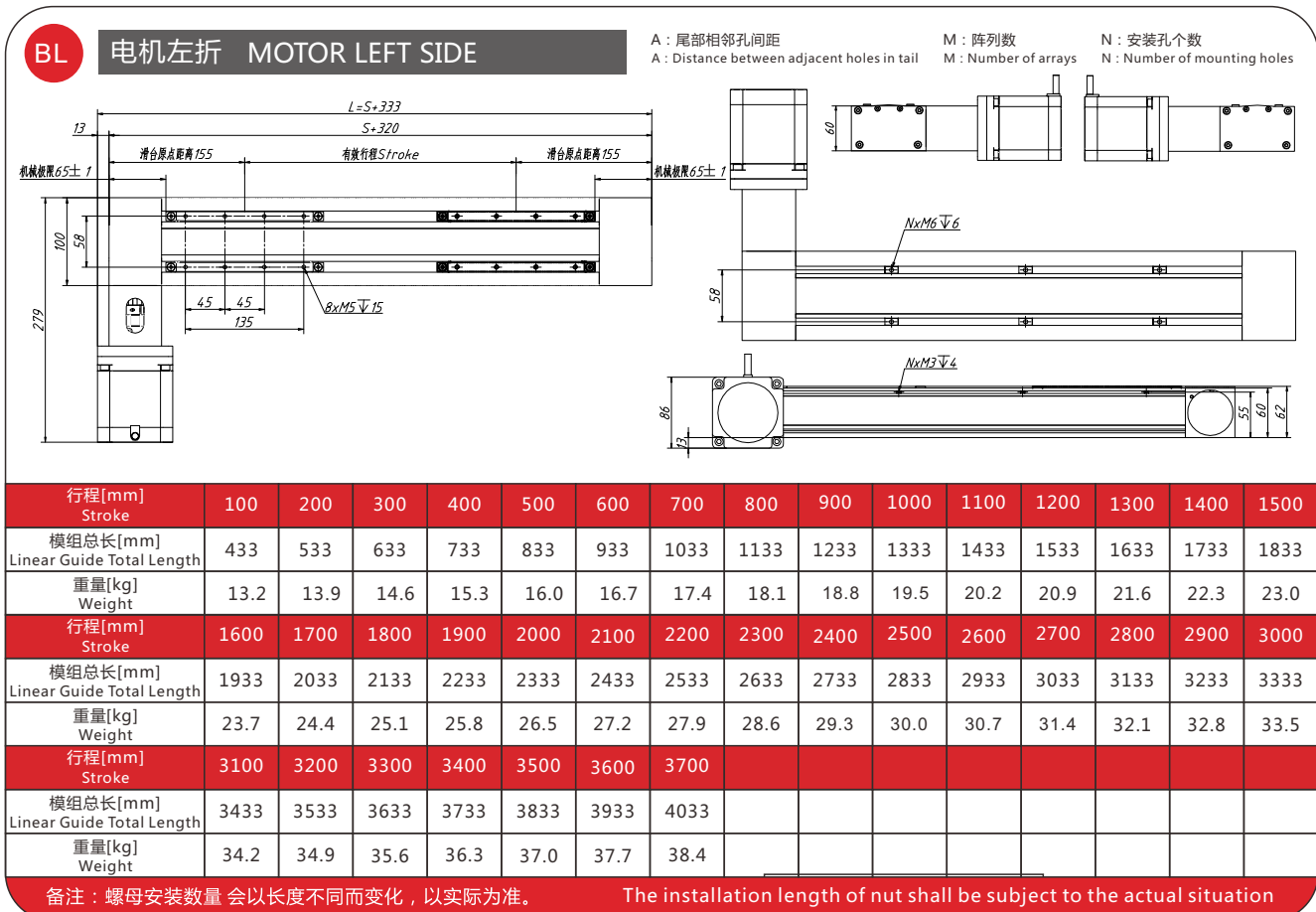
FBL100 直线模组-技术参数

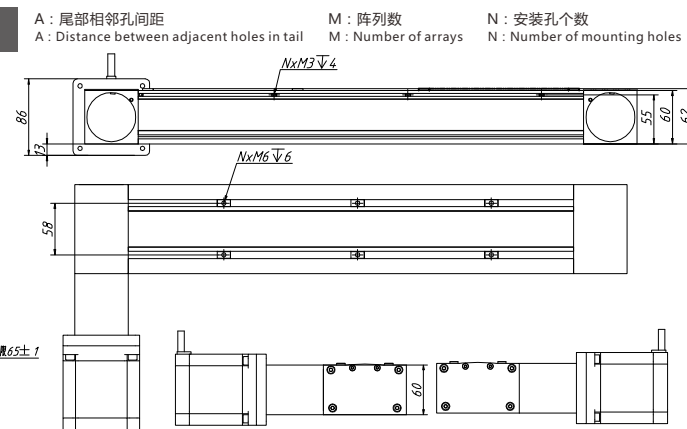
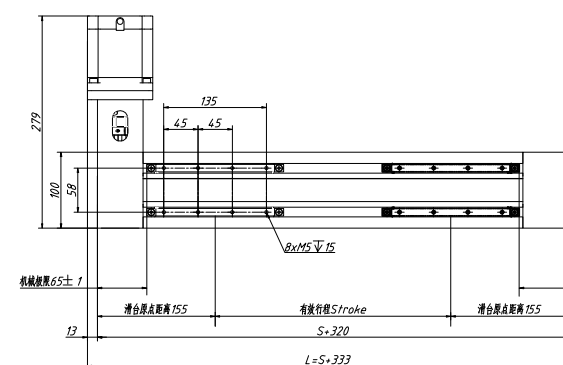
FBL100-TECHNICAL PARAMETER

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	不推荐 not recommend
	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

FBL100 直线模组-尺寸图

FBL100-DIMENSIONAL DRAWING



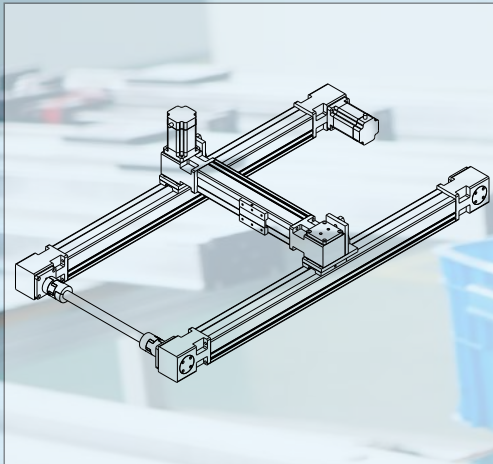


行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
模组总长[mm] Linear Guide Total Length	433	533	633	733	833	933	1033	1133	1233	1333	1433	1533	1633	1733	1833
重量[kg] Weight	13.2	13.9	14.6	15.3	16.0	16.7	17.4	18.1	18.8	19.5	20.2	20.9	21.6	22.3	23.0
行程[mm] Stroke	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
模组总长[mm] Linear Guide Total Length	1933	2033	2133	2233	2333	2433	2533	2633	2733	2833	2933	3033	3133	3233	3333
重量[kg] Weight	23.7	24.4	25.1	25.8	26.5	27.2	27.9	28.6	29.3	30.0	30.7	31.4	32.1	32.8	33.5
行程[mm] Stroke	3100	3200	3300	3400	3500	3600	3700								
模组总长[mm] Linear Guide Total Length	3433	3533	3633	3733	3833	3933	4033								
重量[kg] Weight	34.2	34.9	35.6	36.3	37.0	37.7	38.4								

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

FPB系列模组 FPB LINEAR GUIDE



低噪音 轻量化 LOW NOISE LIGHTWEIGHT

FPB

3500mm

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

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

CNC

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



FPB45 直线模组
FPB45 LINEAR MODULE
»» P43



FPB50 直线模组
FPB50 LINEAR MODULE
»» P46

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
不推荐
not recommend

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

FPB45		E300	80	L			B57	B
双导轨同步带模组 Dual Rail Belt Linear Guide		导程 Screw 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	
FPB45	45	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	57X57
							B60	60X102
							刹车 brake	
							无刹车不表示 Extra Enquiry If Need Brake	

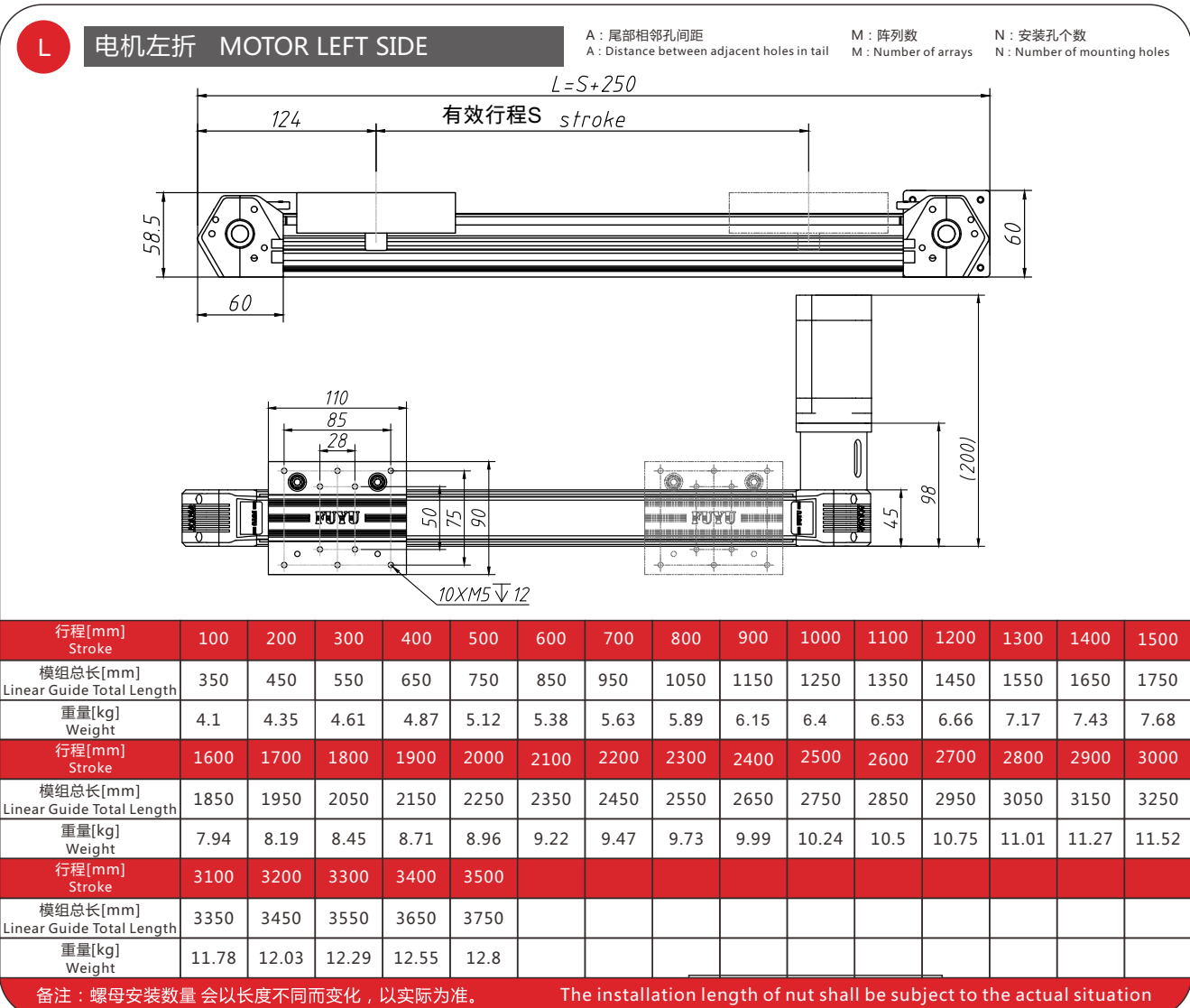
FPB45直线模组-搭配一览表
FPB45-COLLOCATION LIST

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-1A	SN04-N(NPN.NO)	PMT-24V350W	FMDD50D40NOM
	AMC4030		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] Module lead		80				
	400W伺服电机 Servo motor	负载Load[kg]	0	5		10	
		速度Speed[mm/s]	0-4000	0-800	800-2000	2000-4000	0-800
		噪声Noise[dB]	≤65	≤55	≤60	≤70	≤55
		负载Load[kg]	10		15		
		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]	0-3000	0-600	600-1200	0-400	400-800
		噪声Noise[dB]	≤70	≤55	≤70	≤55	≤70

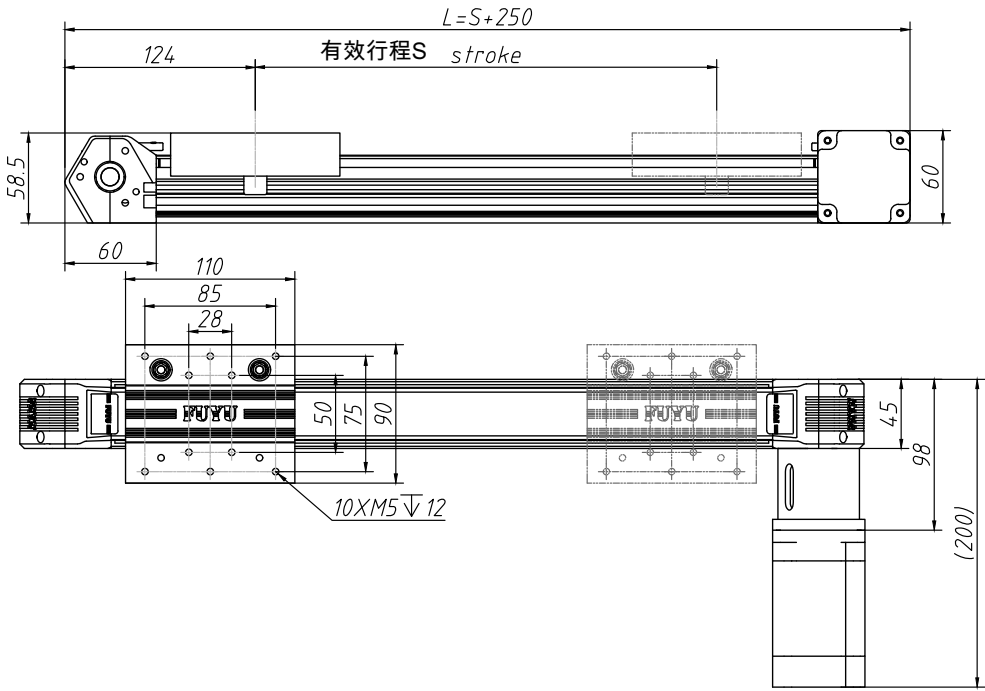
FPB45 直线模组-尺寸图
FPB45-DIMENSIONAL DRAWING



R

电机左折 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

不推荐
not recommend

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	B
双导轨同步带模组 Dual Rail Belt Linear Guide		导程 Screw 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)	95mm	有效行程 Effective trip	同步带滑台 Belt slide		伺服电机 Servo motor	
FPB50	50		型号 Model	L	电机左方 Motor Left	P松下 10:100W	
			标准行程 Stroke(mm)	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 57X57	
						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

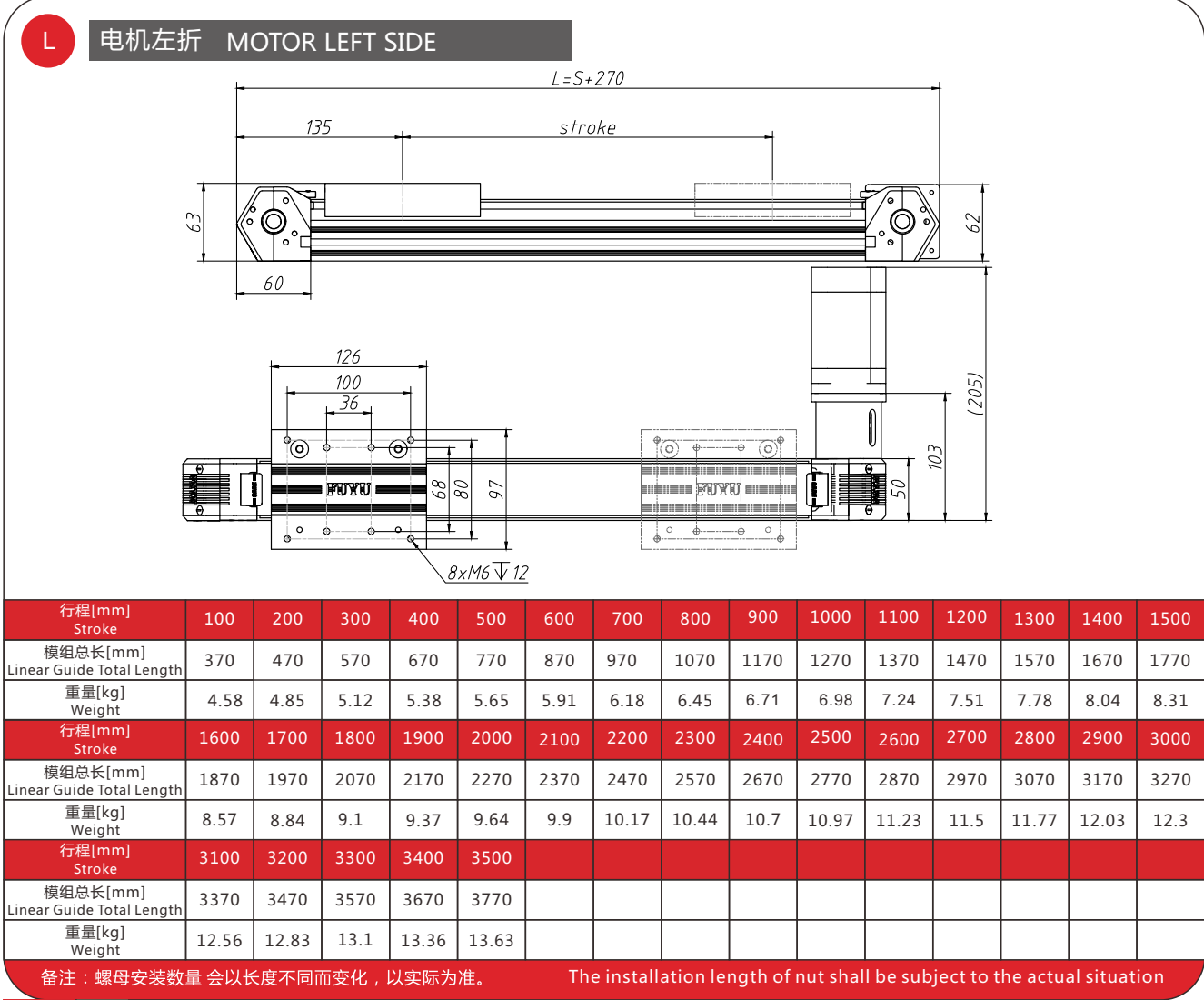
FPB50-COLLOCATION LIST

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-1A	SN04-N(NPN.NO)	PMT-24V350W	FMDD50D40NOM
	AMC4030		LRS-350-24	
			PMT-24V100W	

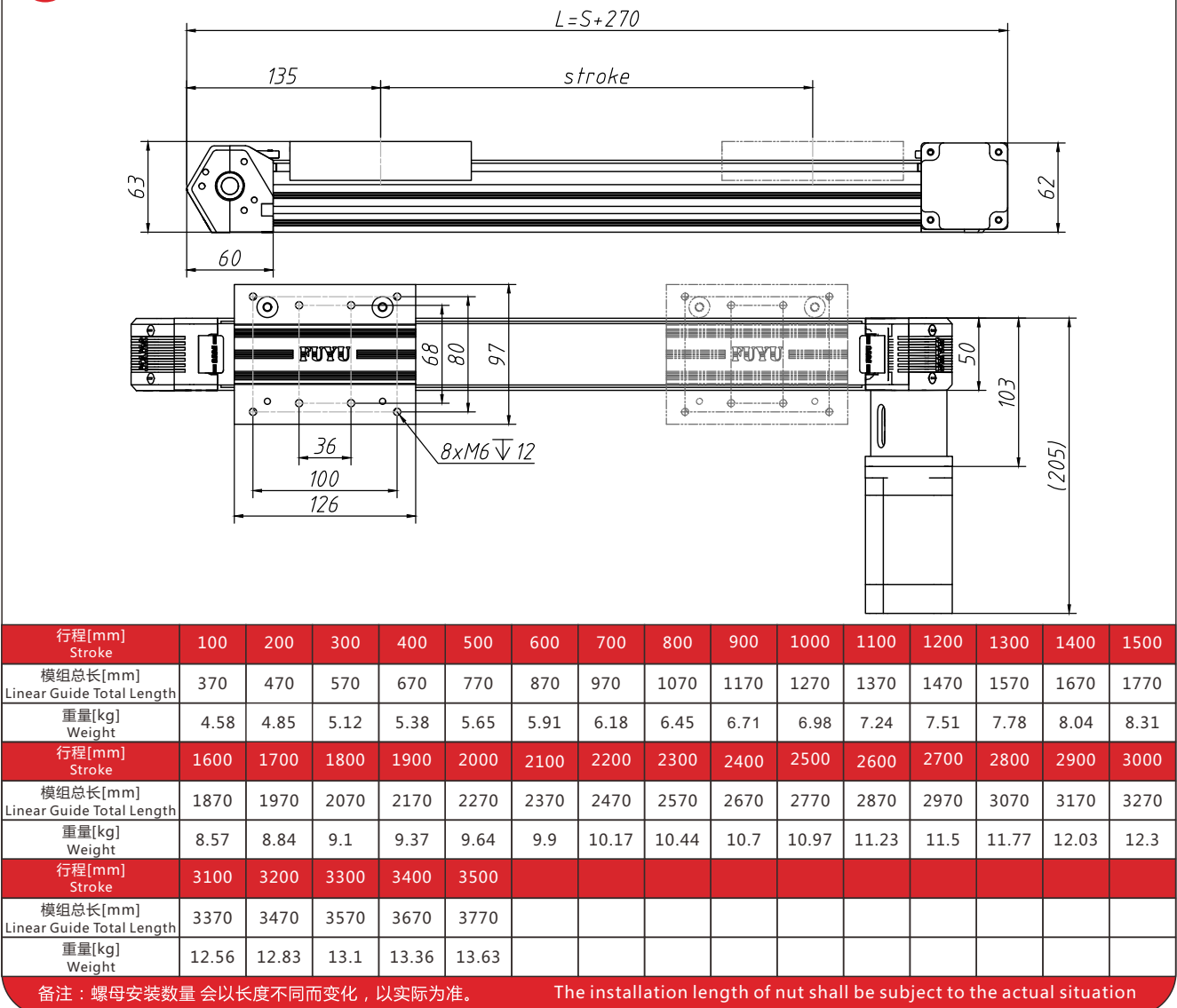
FPB50 直线模组-技术参数
FPB50-TECHNICAL PARAMETER

TECHNICAL PARAMETER	重复定位精度[mm] Position Accuracy		±0.05					
	导程[mm] Module lead		95					
	400W伺服电机 Servo motor	负载Load[kg]	0	5			10	
		速度Speed[mm/s]	0-4000	0-1000	1000-2000	2000-3500	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]	0-3000	0-600	600-1200	0-400	400-800	0-250
噪声Noise[dB]		≤70	≤55	≤70	≤55	≤70	≤55	

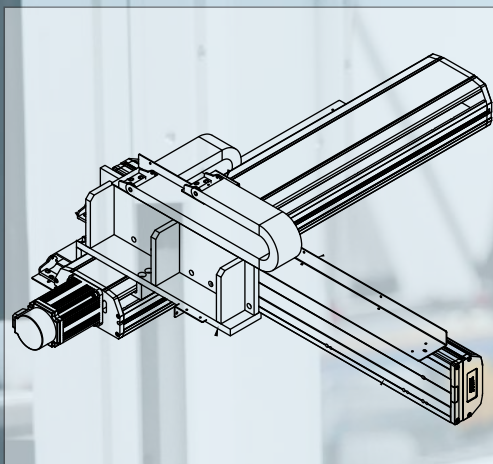
FPB50 直线模组-尺寸图
FPB50-DIMENSIONAL DRAWING



R 电机右折 MOTOR RIGHT SIDE



FTH系列模组 FTH LINEAR GUIDE



高精度 高刚性 HIGH PRECISION HIGH RIGIDITY

FTH
0.01mm

±

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

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

2.应用范围 APPLICATION AREA

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

LED

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



FTH10 直线模组
FTH10 LINEAR MODULE
»» P51



FTH14 直线模组
FTH14 LINEAR MODULE
»» P55



FTH17 直线模组
FTH17 LINEAR MODULE
»» P59

FTH10直线模组

FTH10 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

±0.02

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	B
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 T台达 Y安川 M三菱		
FTH10	102				M	电机内置 Motor hidden in	步进电机 Stepping motor B60 60X102		
导程 Screw lead		丝杆精度 Screw rod accuracy			BC	电机直连 Motor Exposed			
丝杆模组 Screw module		丝杆滑台 Screw Slider			BL	电机左折 Motor Left Side			
		C7			BR	电机右折 Motor Right Side			
05	05mm	有效行程 Effective Stroke			BD	电机下折 Motor Down Side	刹车 brake		
10	10mm								
20	20mm						无刹车不表示 Extra Enquiry If Need Brake		
		FTH10	50~1050						

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-1A	SPX303Z(NPN-NO)
	AMC4030	

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/皮带规格 Ball Screw/Belt 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	71		
	加速度[mm/s] Accelerated Speed	500		

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

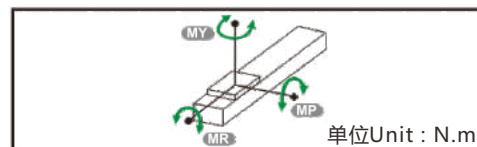
水平安装 Horizontal installation		A	B	C
导程 5 LEAD	30kg	550	45	45
	40kg	400	30	30
	50kg	300	25	24
导程 10 LEAD	15kg	530	85	80
	25kg	300	50	45
	30kg	250	40	35
导程 20 LEAD	5kg	530	85	80
	10kg	300	50	45
	20kg	160	35	30

侧挂安装 Wall installation		A	B	C
导程 5 LEAD	25kg	52	55	670
	35kg	35	35	455
	50kg	21	25	770
导程 10 LEAD	10kg	125	135	770
	20kg	58	61	385
	30kg	160	185	565
导程 20 LEAD	6kg	160	185	565
	12kg	76	88	275
	20kg	45	50	160

垂直安装 Vertical installation		A	C
导程 5 LEAD	5kg	310	310
	8kg	200	200
	15kg	110	110
导程 10 LEAD	4kg	350	350
	10kg	140	140
导程 20 LEAD	2kg	550	550
	5kg	220	220

FTH10 直线模组-静态容许负载

FTH10-STATIC LOADING MOMENT



单位Unit : N.m

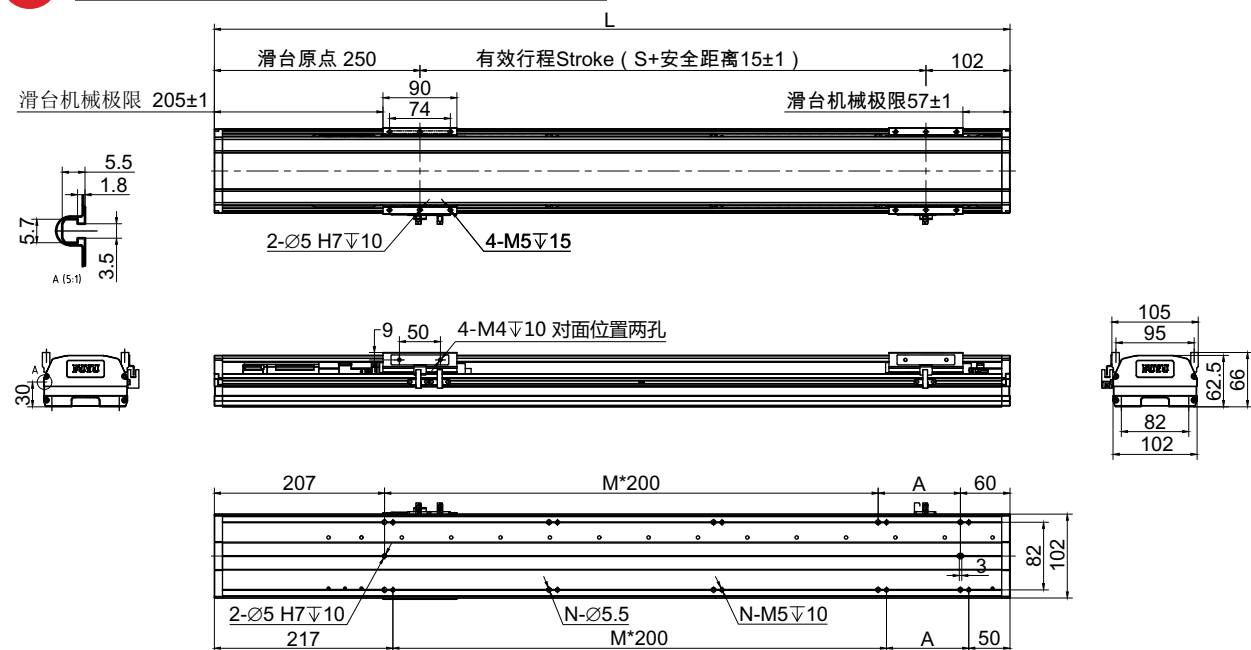
MY	110
MP	110
MR	120

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

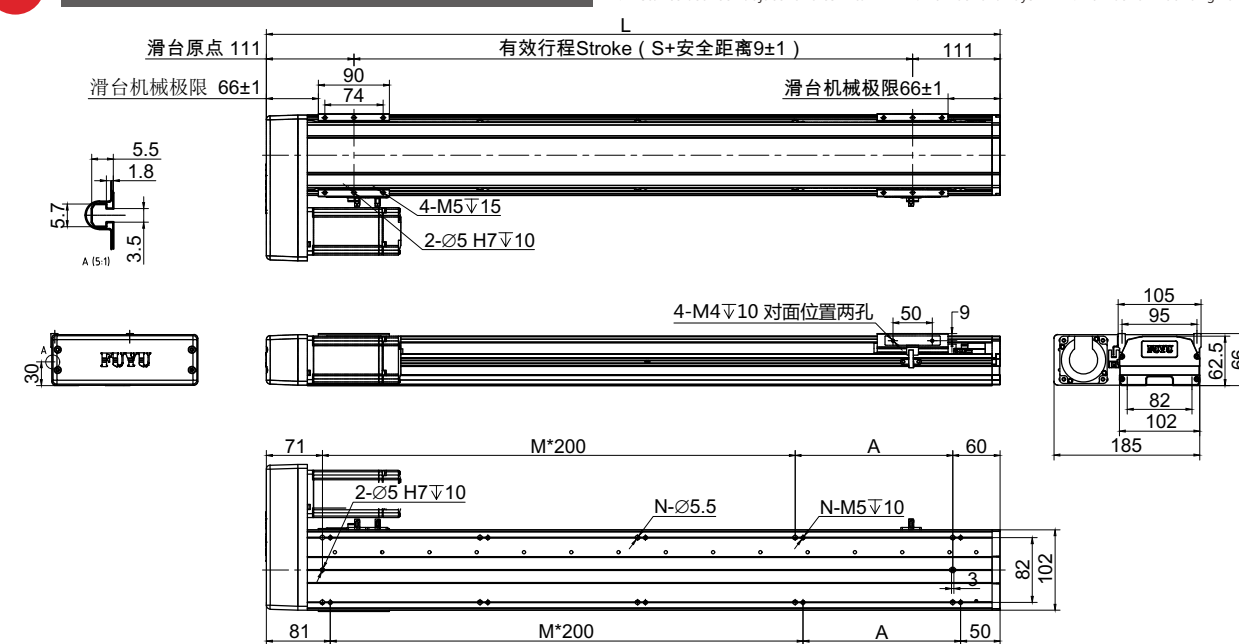
注:图中参考电机为台达400W,仅供参考

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

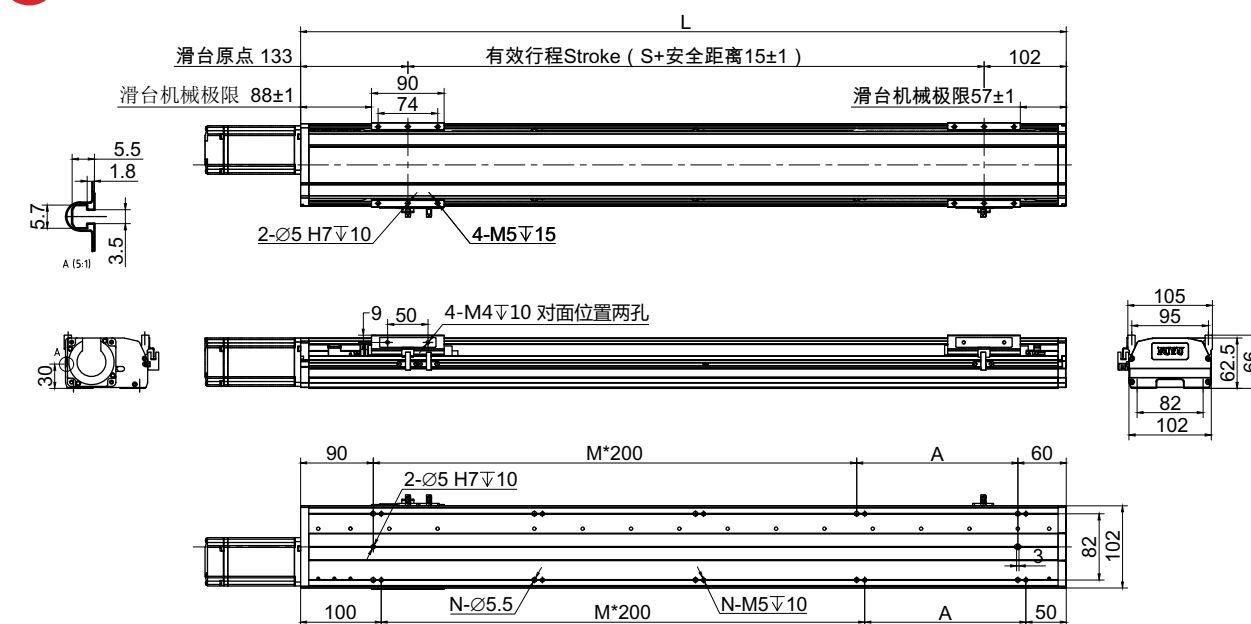
注:图中参考电机为台达400W,仅供参考

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

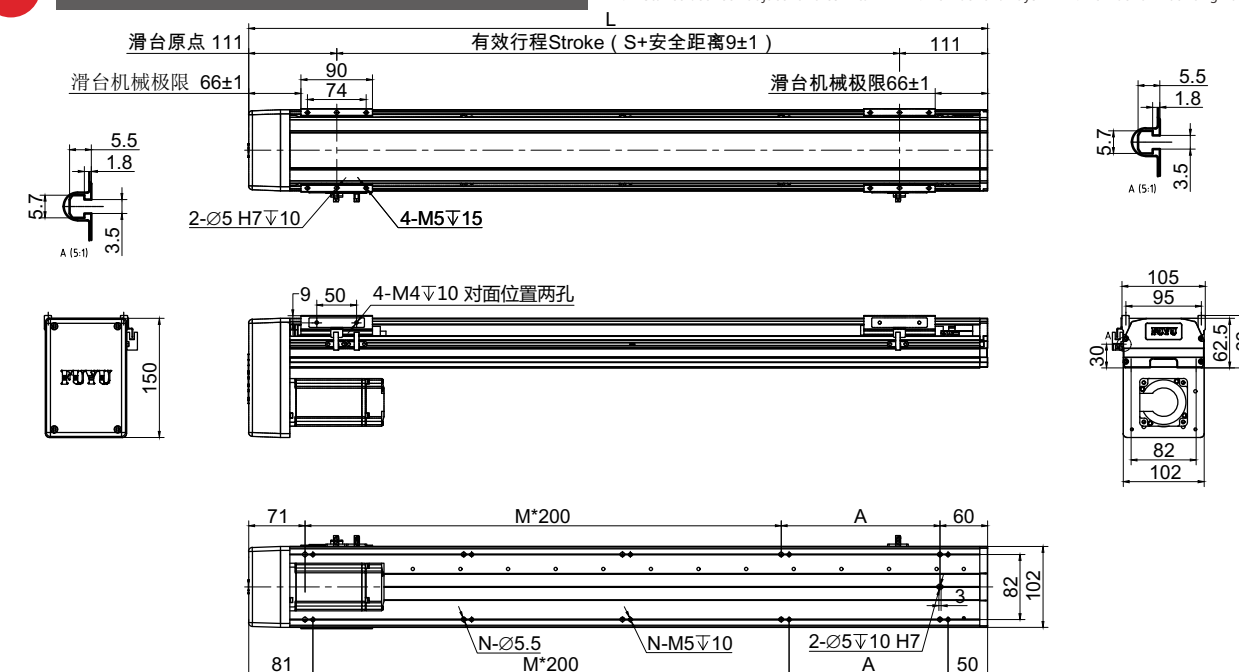
注:图中参考电机为台达400W,仅供参考

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

FTH14直线模组

FTH14 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

±0.02

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		B
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						
型号 Model		本体宽 (mm) Wide(mm)		丝杆滑台 Screw Slider						
FTH14		135								
导程 Screw lead		丝杆精度 Screw rod accuracy								
丝杆模组 Screw module		丝杆滑台 Screw Slider								
05		05mm								
10		10mm								
20		20mm								
		有效行程 Effective Stroke								
		FTH14		50~1250						

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-1A	SPX303Z(NPN-NO)
	AMC4030	

FTH14 直线模组-技术参数

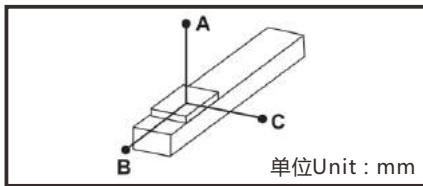
FTH14-TECHNICAL PARAMETER

TECHNICAL PARAMETER

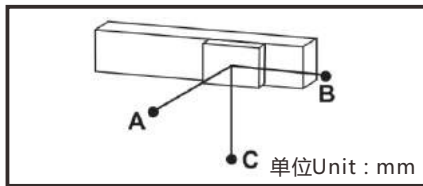
重复定位精度[mm] Position Accuracy	±0.02		
导轨规格 Guide Type	双轨W15xH12.5		
丝杆/皮带规格 Ball Screw/Belt Type	16/20		
导程 (mm) Lead	5	10	20
最大速度[mm/s] Max Speed	250	500	1000
水平额定负载[kg] Horizontal Rated Load	110	90	40
垂直额定负载[kg] Vertical Rated Load	30	25	10
额定负载噪声[dB] Rated Load Noise	70		
加速度[mm/s] Accelerated Speed	500		

FTH14 直线模组-容许负载扭矩

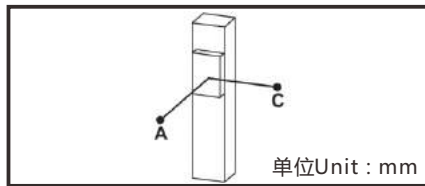
FTH14-ALLOWABLE LOAD TORQUE



单位Unit : mm



单位Unit : mm



单位Unit : mm

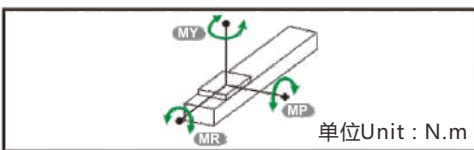
水平安装 Horizontal installation		A	B	C
导程 5 LEAD	60kg	2512	242	232
	80kg	1811	172	164
	110kg	1300	118	115
导程 10 LEAD	30kg	2727	470	430
	50kg	1577	266	242
	90kg	830	136	125
导程 20 LEAD	10kg	2304	1222	1028
	22kg	1443	540	451
	40kg	880	283	238

侧挂安装 Wall installation		A	B	C
导程 5 LEAD	55kg	257	269	2883
	75kg	178	186	2000
	110kg	114	118	1275
导程 10 LEAD	35kg	363	395	2368
	55kg	218	238	1445
	90kg	124	136	833
导程 20 LEAD	12kg	854	1019	2552
	20kg	500	596	1588
	40kg	235	281	874

垂直安装 Vertical installation		A	C
导程 5 LEAD	15kg	1118	1118
	22kg	770	770
	30kg	563	563
导程 10 LEAD	10kg	1500	1500
	14kg	1072	1072
	25kg	599	599
导程 20 LEAD	4kg	2980	2980
	10kg	1190	1190

FTH14 直线模组-静态容许负载

FTH14-STATIC LOADING MOMENT



单位Unit : N.m

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

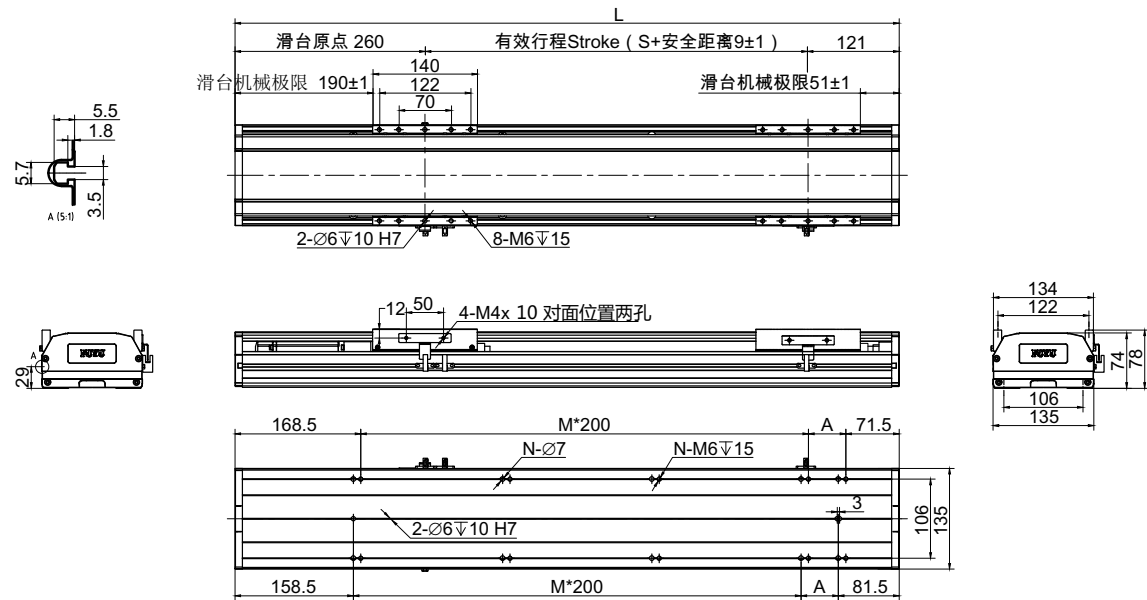
M

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

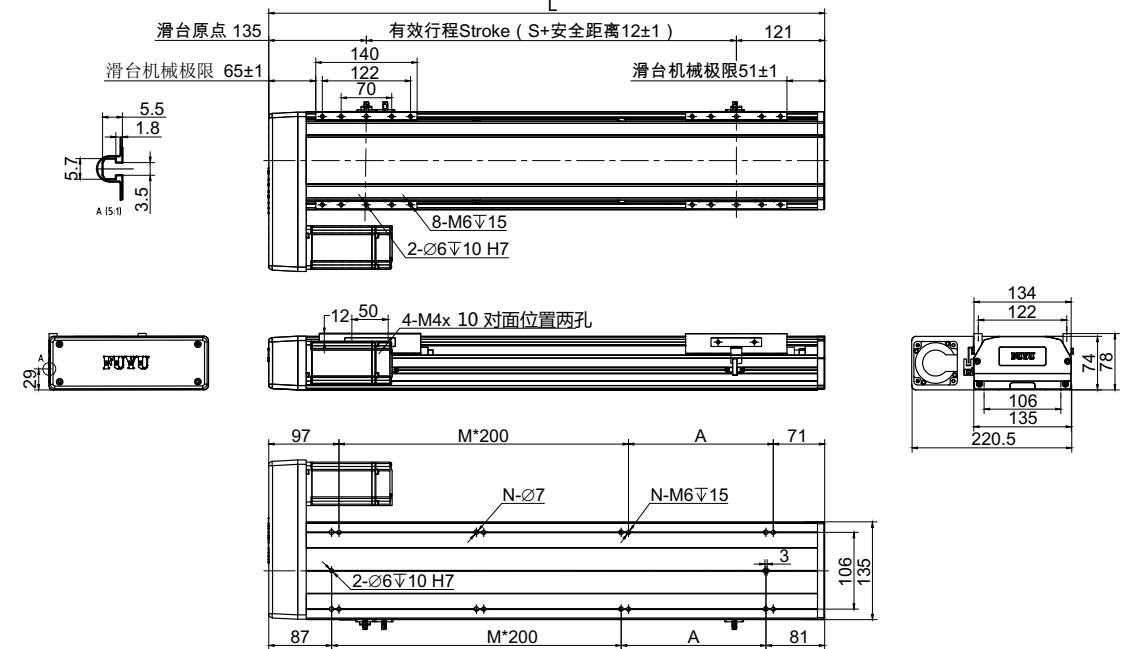
注:图中参考电机为台达400W,仅供参考

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

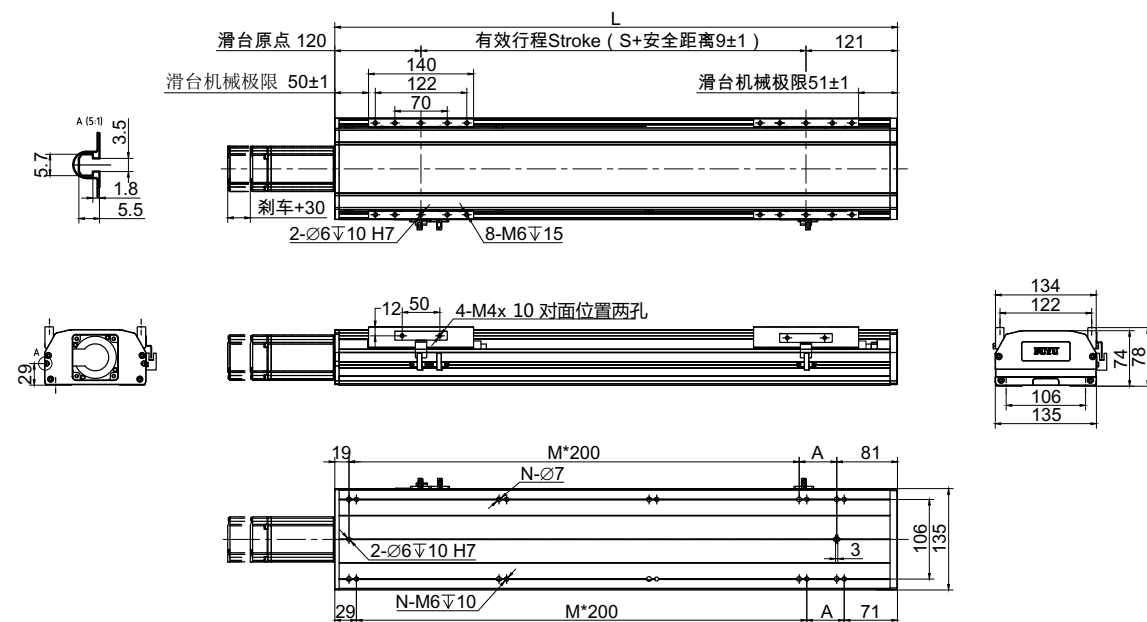
BC

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

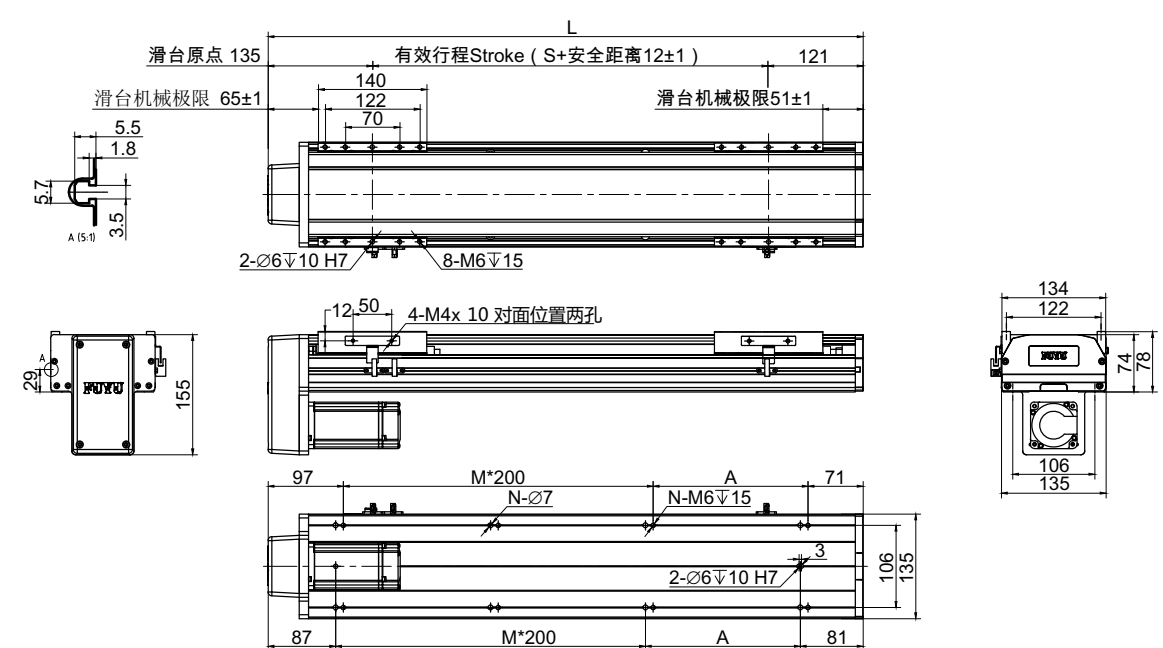
BD

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



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	B
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					
型号 Model	本体宽 (mm) Wide(mm)	L	标配丝杆 standard ball screw	丝杆滑台 Screw Slider					
FTH17	170	丝杆精度 Screw rod accuracy		M	电机内置 Motor hidden in	伺服电机 Servo motor			
导程 Screw lead		丝杆滑台 Screw Slider		BC	电机直连 Motor Exposed	P松下 40:400W			
丝杆模组 Screw module		C7		BL	电机左折 Motor Left Side	T台达 75:750W			
05	05mm	有效行程 Effective Stroke		BR	电机右折 Motor Right Side	Y安川			
10	10mm	FTH17		BD	电机下折 Motor Down Side	M三菱			
20	20mm	50~1500		步进电机 Stepping motor					
25	25mm			B60 60X102					
				B86 86X128					
				刹车 brake					
				无刹车不表示 Extra Enquiry If Need Brake					

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-1A	FY-SPX307
	AMC4030	

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/皮带规格 Ball Screw/Belt 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	82			
	加速度[mm/s] Accelerated Speed	500			

FTH17 直线模组-容许负载扭矩
FTH17-ALLOWABLE LOAD TORQUE

单位Unit : mm

单位Unit : mm

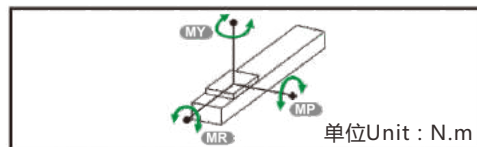
单位Unit : mm

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

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

垂直安装 Vertical installation		A	C
导程 5 LEAD	20kg	1368	1368
	30kg	911	911
	50kg	546	546
导程 10 LEAD	15kg	1618	1618
	25kg	970	970
	40kg	606	606
导程 20 LEAD	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

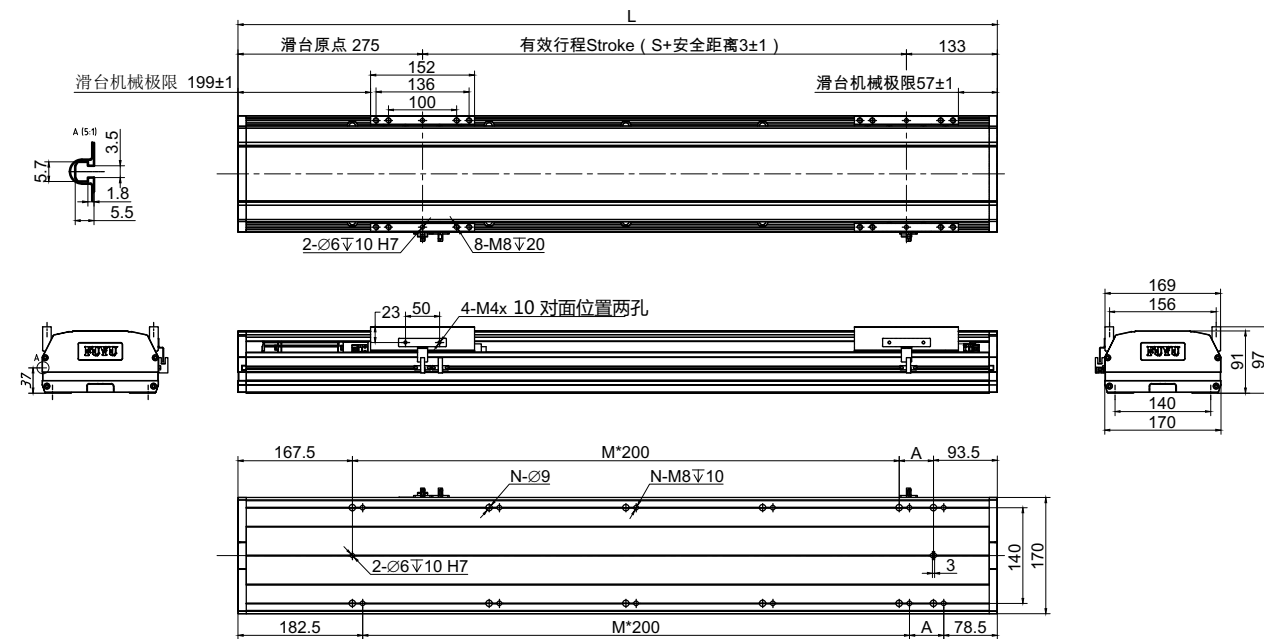
M

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

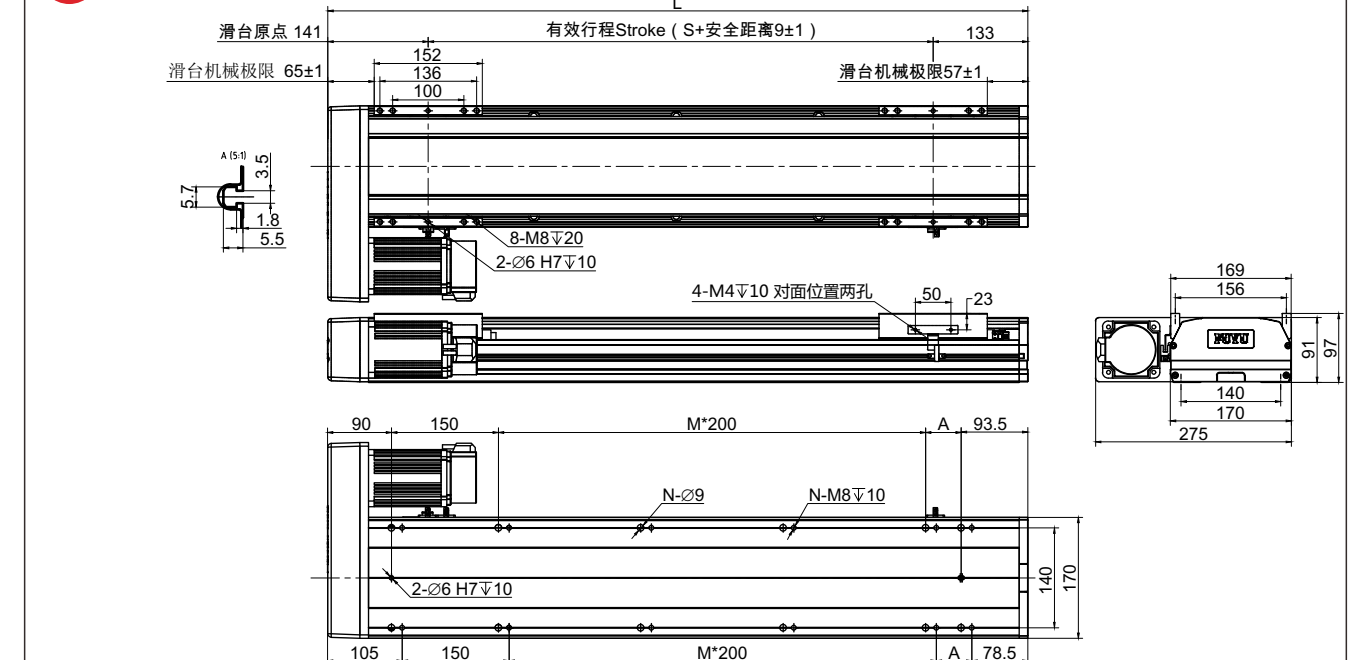
BLR

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

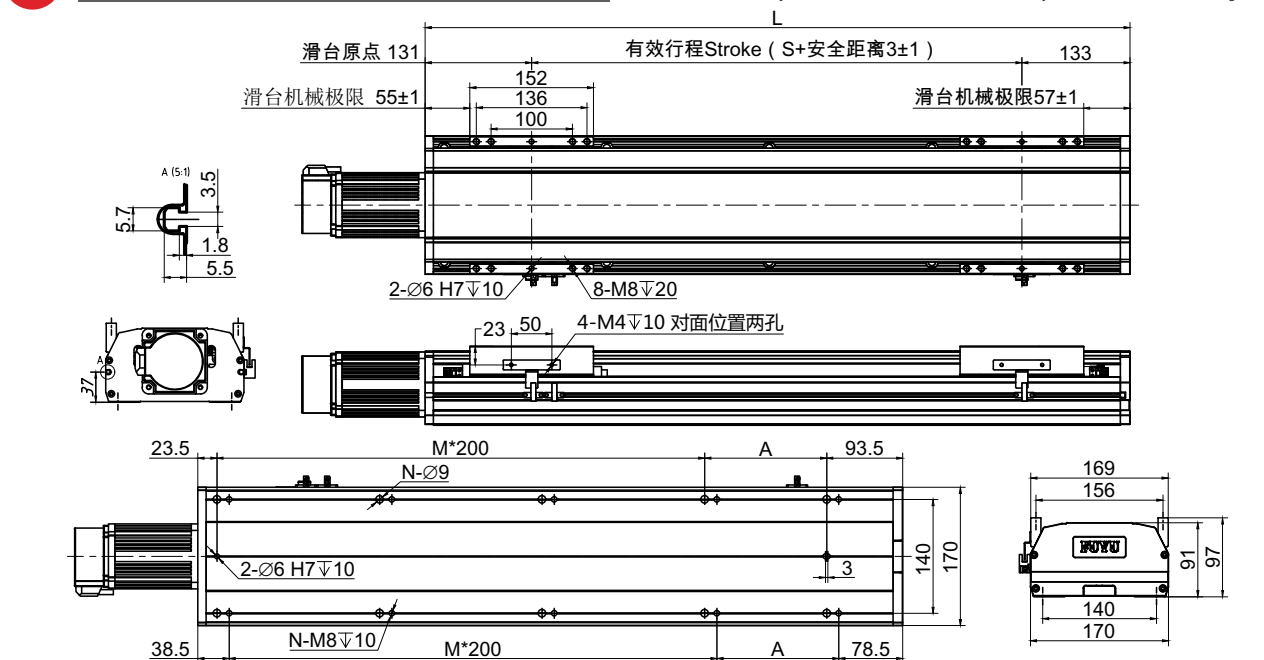
BC

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

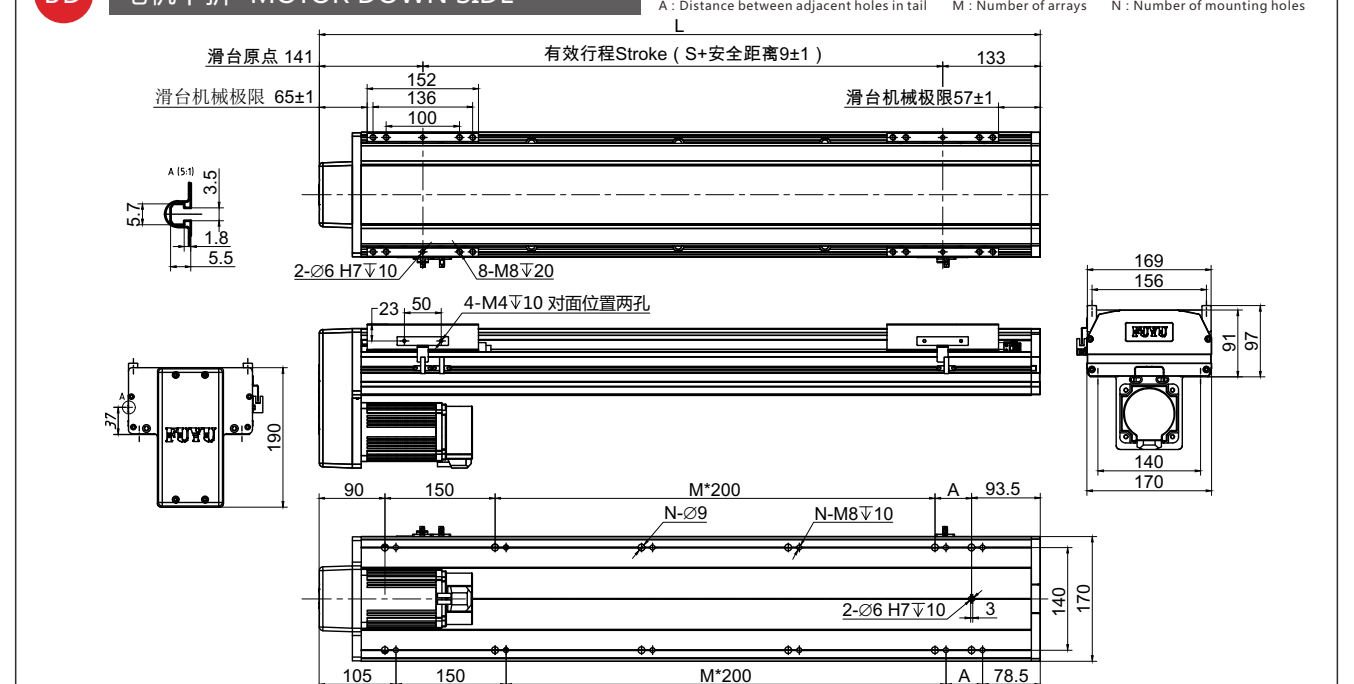
BD

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

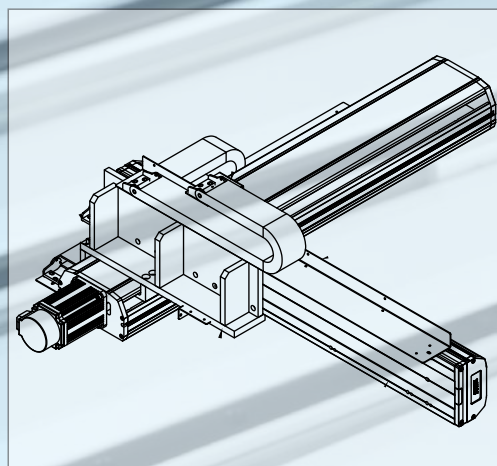


行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
模组总长[mm] Linear Guide Total Length	383	483	583	683	783	883	983	1083	1183	1283	1383	1483	1583	1683	1783
重量[kg] Weight	10.1	11.7	13.3	14.9	16.5	18.1	19.7	21.3	22.9	24.5	26.1	27.7	29.3	30.9	32.5

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
0.05mm

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

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

LED

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



FTB10 直线模组
FTB10 LINEAR MODULE
»» P65



FTB14 直线模组
FTB14 LINEAR MODULE
»» P69



FTB17 直线模组
FTB17 LINEAR MODULE
»» P73

FTB10直线模组

FTB10 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
不推荐
not recommend

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	B
FTB盖板式同步带模组 FTH cover plate belt linear guide		传动材料类别 Transmission material category		电机联结形式 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	
		导程 Screw 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		
		35	35mm	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	
		FTB10	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		

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-1A	SPX303Z(NPN-NO)
	AMC4030	

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
	丝杆/皮带规格 Ball Screw/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	不推荐 not recommend
	额定负载噪声[dB] Rated Load Noise	55
	加速度[mm/s] Accelerated Speed	1000

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

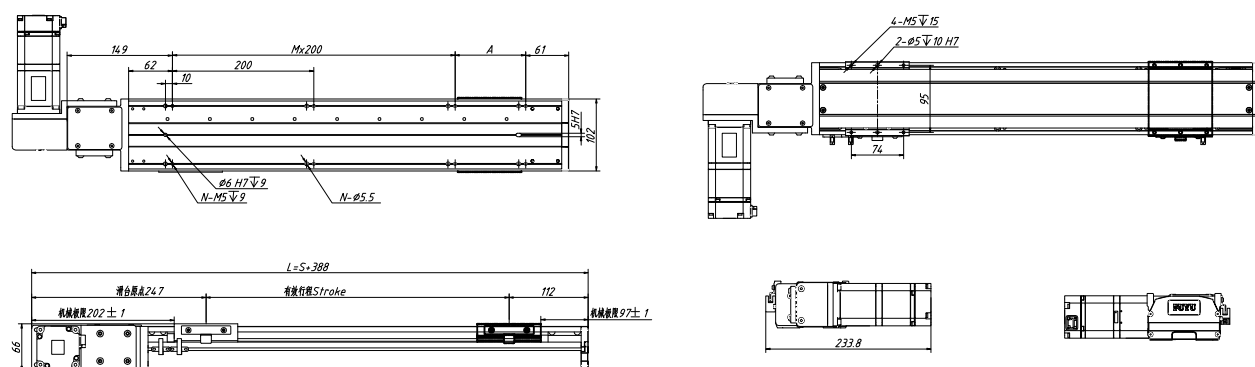
L

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	488	588	688	788	888	988	1088	1188	1288	1388	1488	1588	1688	1788	1888	1988	2088	2188
重量[kg] Weight	5.6	6.2	6.9	7.5	8.2	8.8	9.5	10.1	10.8	11.4	12.1	12.7	13.4	14.0	14.7	15.3	16.0	16.6
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	17.3	17.9	18.6	19.2	19.9	20.5	21.2	21.8	22.5	23.1	23.8	24.4	25.1	25.7	26.4	27.0	27.7	

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

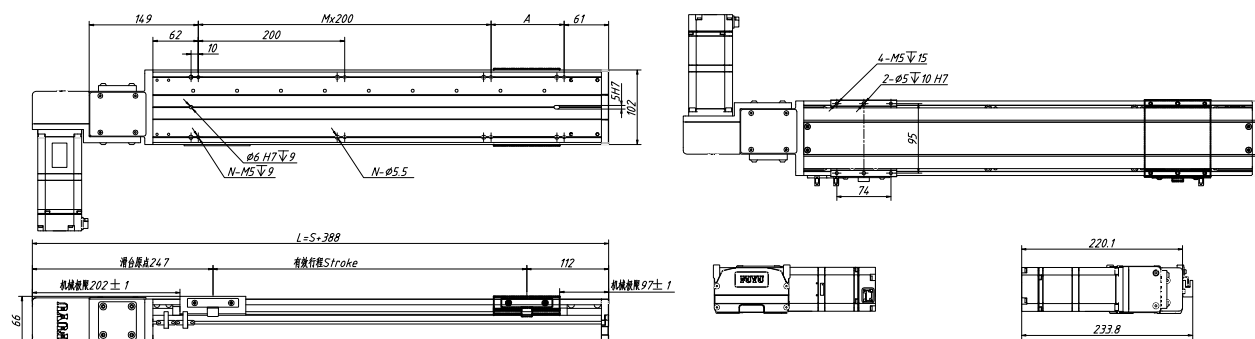
R

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	488	588	688	788	888	988	1088	1188	1288	1388	1488	1588	1688	1788	1888	1988	2088	2188
重量[kg] Weight	5.6	6.2	6.9	7.5	8.2	8.8	9.5	10.1	10.8	11.4	12.1	12.7	13.4	14.0	14.7	15.3	16.0	16.6
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	17.3	17.9	18.6	19.2	19.9	20.5	21.2	21.8	22.5	23.1	23.8	24.4	25.1	25.7	26.4	27.0	27.7	

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

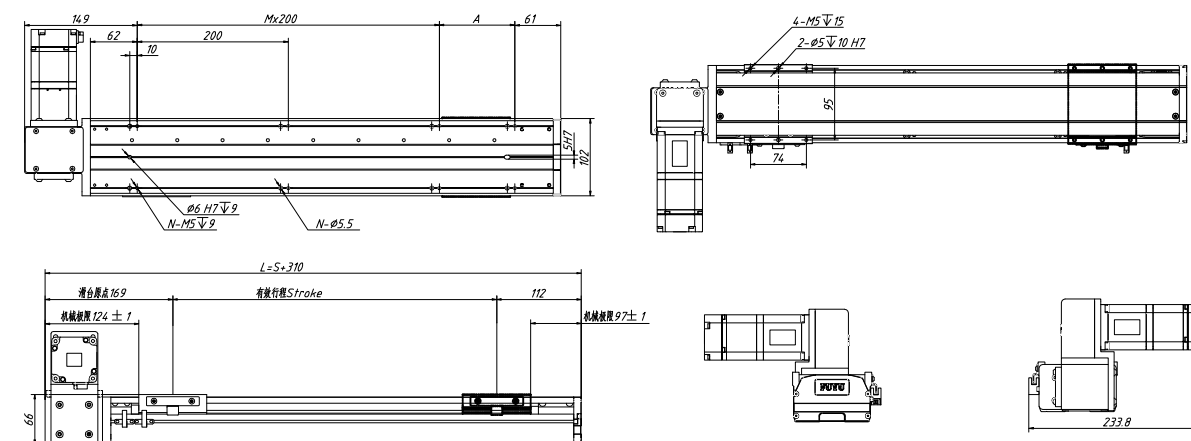
LU

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	5.6	6.2	6.9	7.5	8.2	8.8	9.5	10.1	10.8	11.4	12.1	12.7	13.4	14.0	14.7	15.3	16.0	16.6
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	17.3	17.9	18.6	19.2	19.9	20.5	21.2	21.8	22.5	23.1	23.8	24.4	25.1	25.7	26.4	27.0	27.7	

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

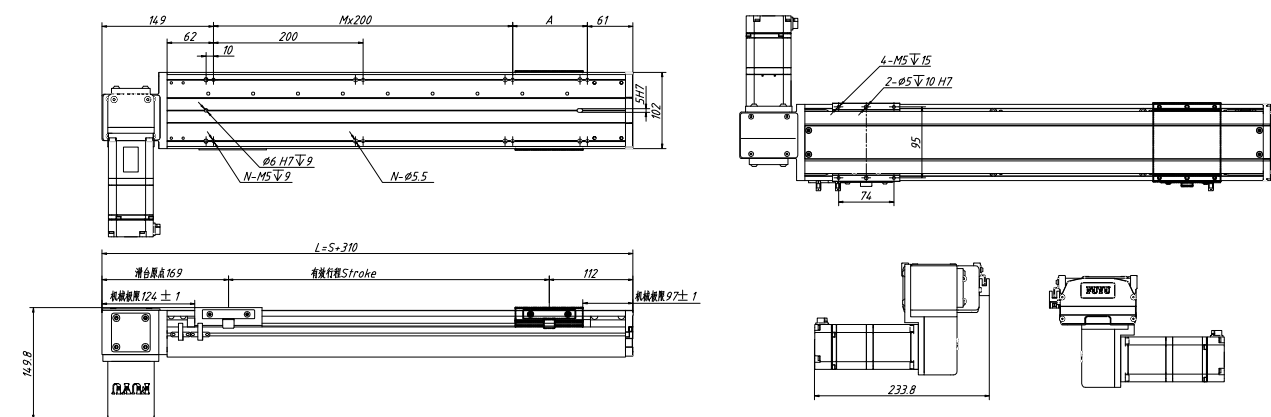
RD

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	5.6	6.2	6.9	7.5	8.2	8.8	9.5	10.1	10.8	11.4	12.1	12.7	13.4	14.0	14.7	15.3	16.0	16.6
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	17.3	17.9	18.6	19.2	19.9	20.5	21.2	21.8	22.5	23.1	23.8	24.4	25.1	25.7	26.4	27.0	27.7	

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

FTB14直线模组

FTB14 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

不推荐
not recommend

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	B
FTB盖板式同步带模组 FTH cover plate belt linear guide		传动材料类别 Transmission material category		电机联结形式 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 Screw 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-1A	FY-SPX307
	AMC4030	

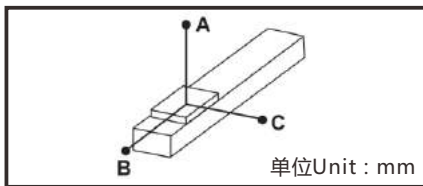
FTB14 直线模组-技术参数

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
	丝杆/皮带规格 Ball Screw/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	不推荐 not recommend
	额定负载噪声[dB] Rated Load Noise	55
	加速度[mm/s] Accelerated Speed	1000

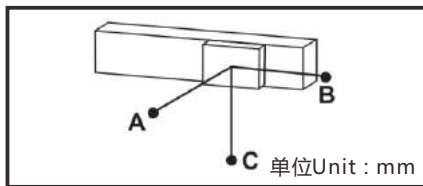
FTB14 直线模组-容许负载扭矩

FTB14-ALLOWABLE LOAD TORQUE



单位Unit : mm

水平安装 Horizontal installation	A	B	C
10kg	1795	690	540
20kg	860	330	260
25kg	670	260	200



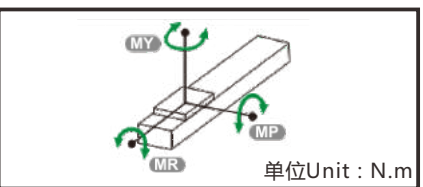
单位Unit : mm

侧挂安装 Wall installation	A	B	C
15kg	50	450	1180
18kg	290	370	970
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

FTB17直线模组

FTB17 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

不推荐
not recommend

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	B
FTB盖板式同步带模组 FTH cover plate belt linear guide		传动材料类别 Transmission material category		电机联结形式 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	
		导程 Screw 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	
		FTB17	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		

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-1A	FY-SPX307
	AMC4030	

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
	丝杆/皮带规格 Ball Screw/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	不推荐 not recommend
	额定负载噪声[dB] Rated Load Noise	58
	加速度[mm/s] Accelerated Speed	1000

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

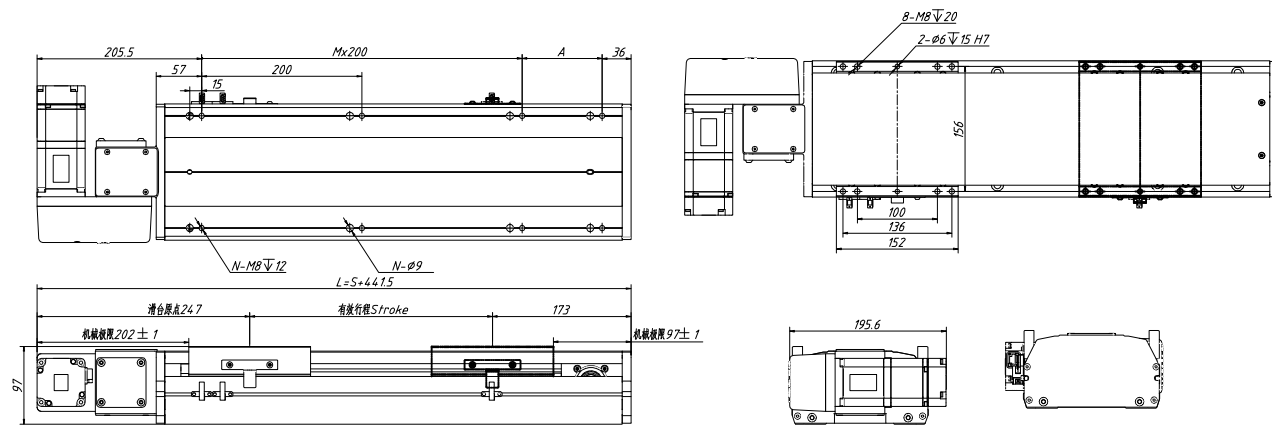
BL

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	21.1	22.6	24.0	25.5	26.9	28.3	29.8	31.2	32.7	34.1	35.5	37.0	38.4	39.9	41.3	42.7	44.2	45.6
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	47.1	48.5	49.9	51.4	52.8	54.3	55.7	57.1	58.6	60.0	61.5	62.9	64.3	65.8	67.2	68.7	70.1	

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

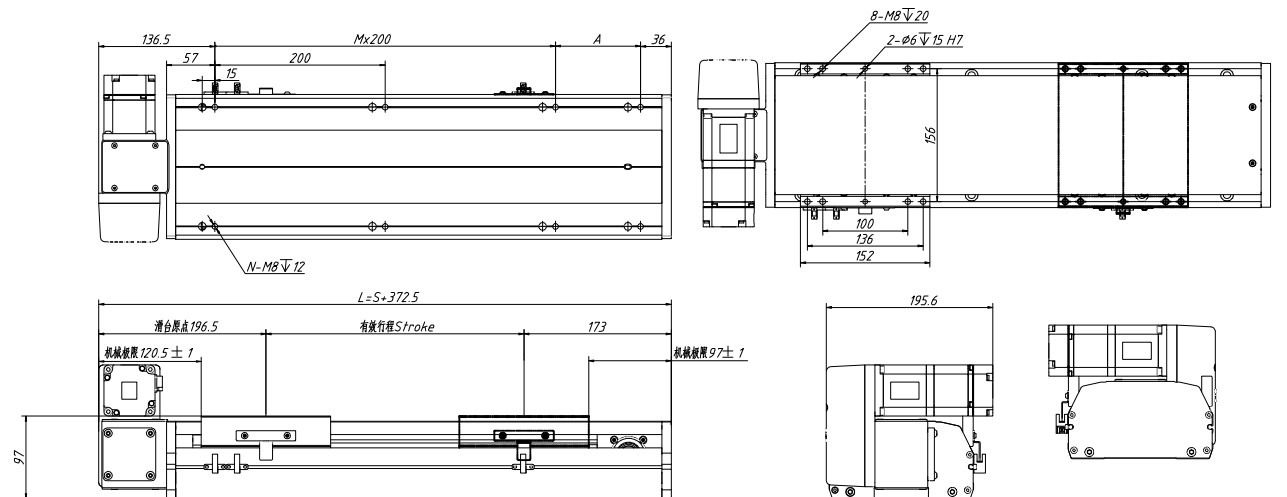
LU

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	21.1	22.6	24.0	25.5	26.9	28.3	29.8	31.2	32.7	34.1	35.5	37.0	38.4	39.9	41.3	42.7	44.2	45.6
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	47.1	48.5	49.9	51.4	52.8	54.3	55.7	57.1	58.6	60.0	61.5	62.9	64.3	65.8	67.2	68.7	70.1	

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

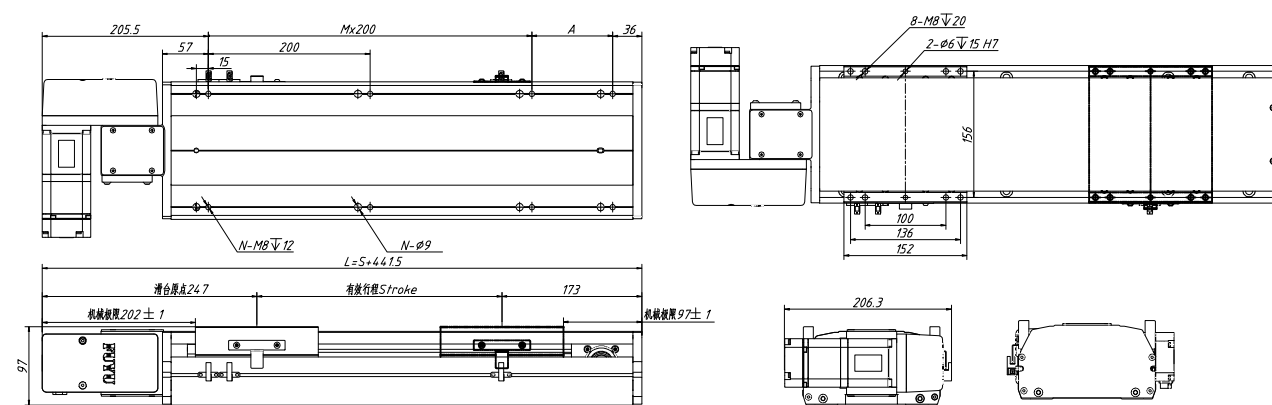
BR

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	21.1	22.6	24.0	25.5	26.9	28.3	29.8	31.2	32.7	34.1	35.5	37.0	38.4	39.9	41.3	42.7	44.2	45.6
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	47.1	48.5	49.9	51.4	52.8	54.3	55.7	57.1	58.6	60.0	61.5	62.9	64.3	65.8	67.2	68.7	70.1	

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

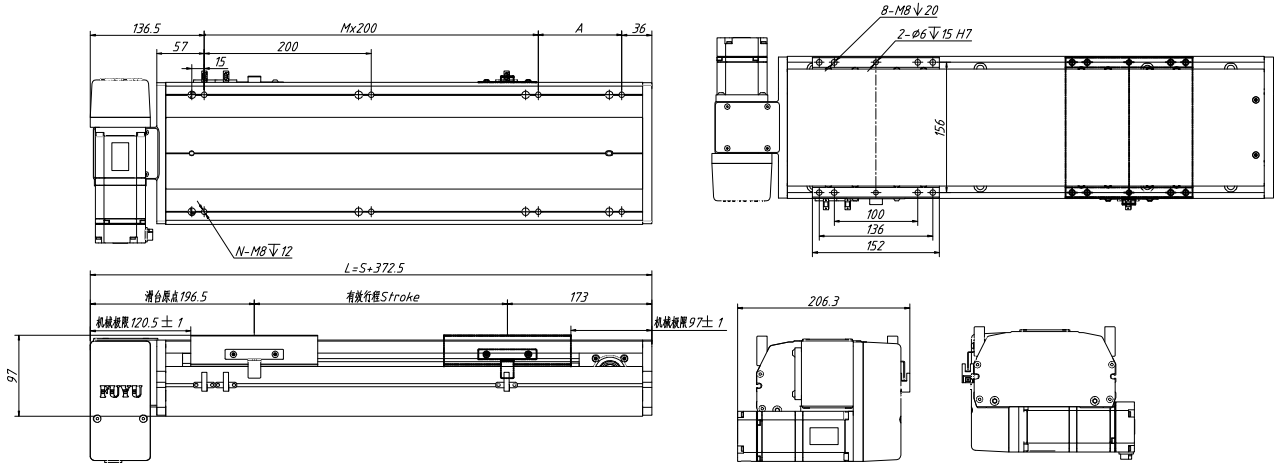
RD

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

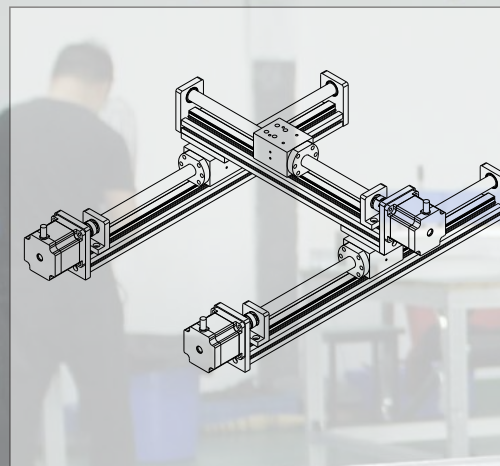


行程[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
模组总长[mm] Linear Guide Total Length	472.5	572.5	672.5	772.5	872.5	972.5	1072.5	1172.5	1272.5	1372.5	1472.5	1572.5	1672.5	1772.5	1872.5	1972.5	2072.5	2172.5
重量[kg] Weight	21.1	22.6	24.0	25.5	26.9	28.3	29.8	31.2	32.7	34.1	35.5	37.0	38.4	39.9	41.3	42.7	44.2	45.6
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	47.1	48.5	49.9	51.4	52.8	54.3	55.7	57.1	58.6	60.0	61.5	62.9	64.3	65.8	67.2	68.7	70.1	

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

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



通用性强 VERSATILITY

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.

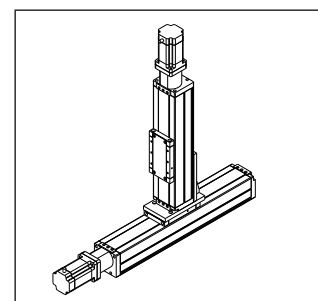
二轴直角坐标机器人 TWO-AXIS CARTESIAN COORDINATE ROBOT

技术特点 TECHNICAL FEATURES

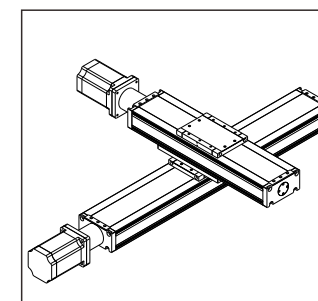
1. 可选配件 OPTIONAL ACCESSORIES

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

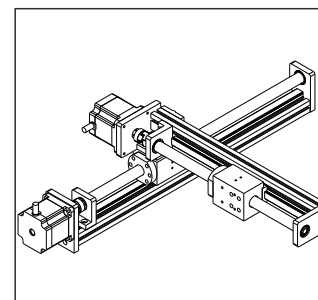
2. 二轴结构 APPLICATION AREA



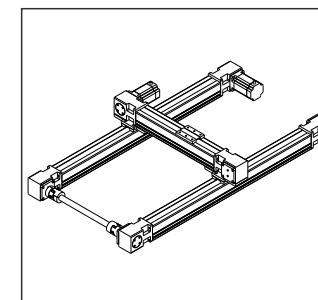
XY-T型直线模组
XY-T LINEAR MODULE



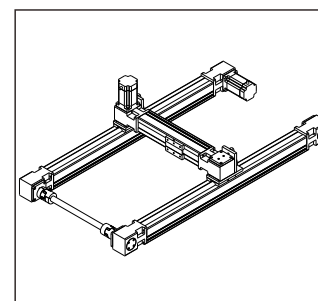
XY-S型直线模组
XY-S LINEAR MODULE



XY-X型直线模组
XY-X LINEAR MODULE

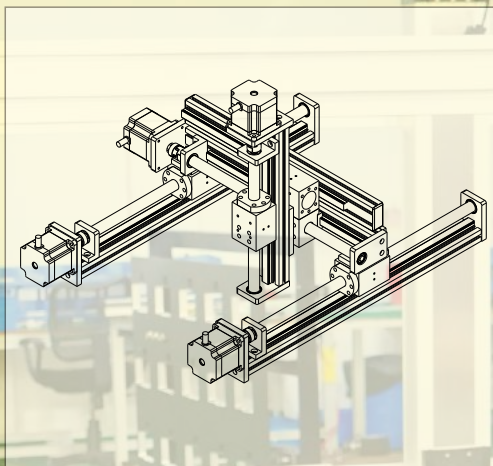


XY-H1 直线模组
XY-H1 LINEAR MODULE



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

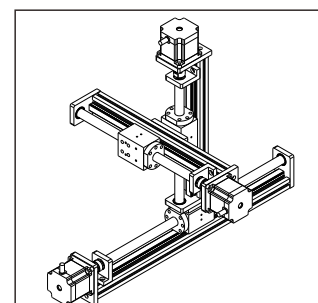
The universal assembly scheme of the three-axis linear module can promote linear motion to planar or curved motion, greatly improve the convenience of use, and effectively reduce the customer's equipment assembly man-hours.

技术特点 TECHNICAL FEATURES

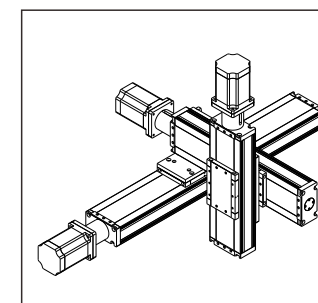
1. 可选配件 OPTIONAL ACCESSORIES

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

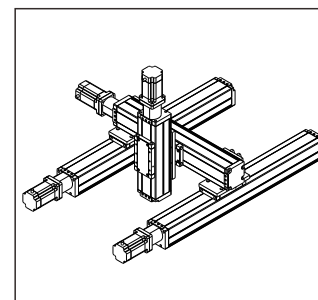
2. 三轴结构 APPLICATION AREA



XYZ-T型直线模组
XYZ-T LINEAR MODULE

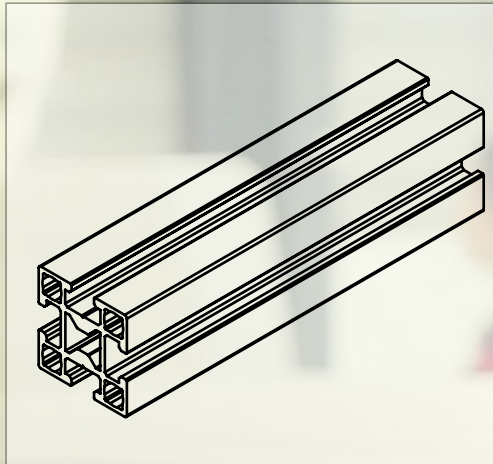


XYZ-X型直线模组
XYZ-X LINEAR MODULE



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

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

6061/6063 40x40 40x60 40x80

Materials is 6061/6063 and can be divided into three sizes: 40x40, 40x60, 40x80

2. 型材特点 LOAD SCHEDULE

/Corrosion resistance

/Conductivity

/Thermal conductivity rate

/Non-ferromagnetic

/Machinability

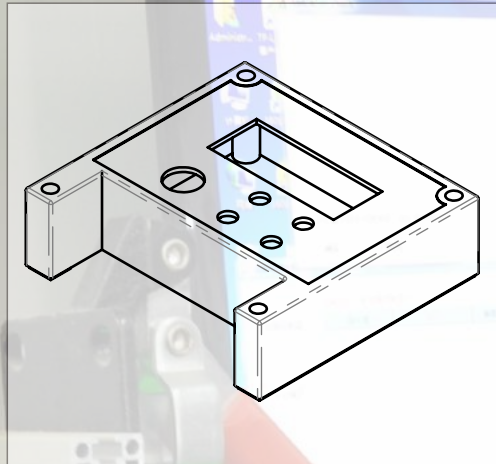
/Formability

3. 应用范围 APPLICATION AREA

CCD / IC
/ /

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.

控制器 CONTROLLER



操作简单 性能优异

SIMPLE OPERATION AND EXCELLENT PERFORMANCE

ARM CPU

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

FIC

single axis controller, three axis controller, touch screen

2.产品特点 LOAD SCHEDULE

/ / /

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

,

It is mainly used in single axis and multi axis controller to drive the module to perform movement.



FSC-1A 控制器
FSC-1A CONTROLLER

»» P83



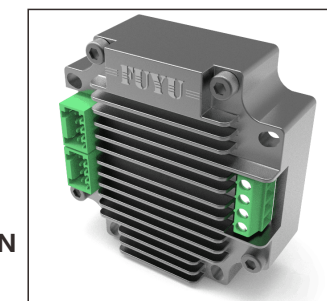
AMC-4030 控制器
AMC-4030 CONTROLLER

»» P84



AMC4030 触摸屏
AMC-4030 TOUCH SCREEN

»» P85



FIC驱控一体控制器
AMC-4030 TOUCH SCREEN

»» P86



AXIS CONTROLLER

| 单轴控制器

FSC - 1A

FSC - 1

FSC-1A controller use original imported high speed intelligent chip as platform, has its original FSC-1 stability, reliability and strong anti-interference, fit to kinds of terrible environments, controller's used on reciprocates motion movement,length limit,speed control of sensor controlling

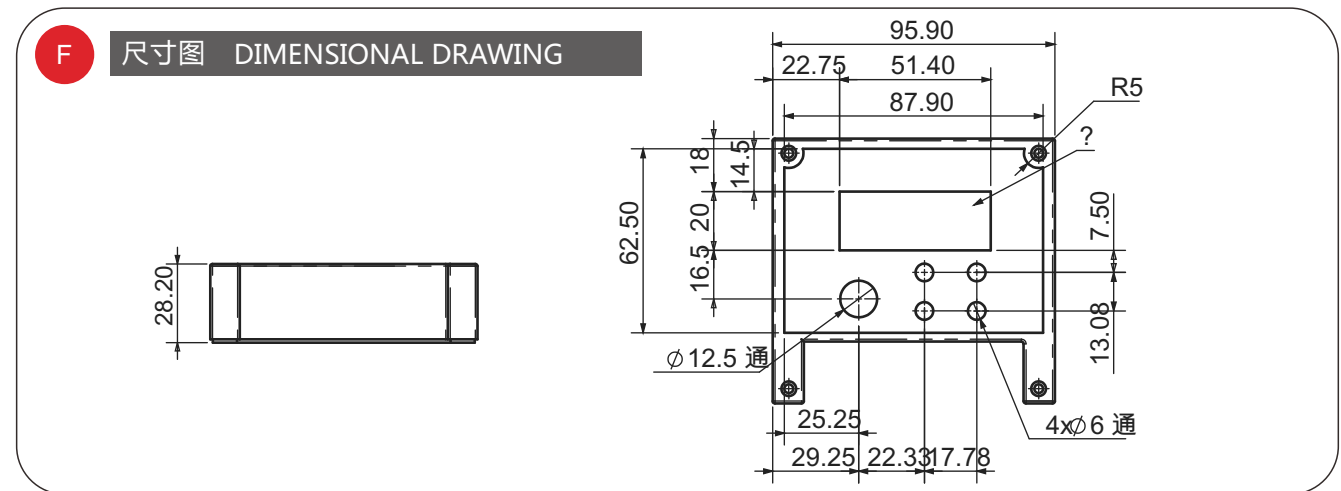
FSC-1A 单轴控制器-技术参数

FSC-1A-TECHNICAL PARAMETER

TECHNICAL PARAMETER	型号 Type	FSC-1A
	供电方式 Power Supply Mode	DC9-32V供电(Supplied with DC9-32V)
	功耗 Power Consumption	< 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	(Not Supported Yet)
	软件操作系统 System	Android 9.0 内存2G以上(With More Than 2GB Storage)

FSC-1A 单轴控制器-尺寸图

FSC-1A-DIMENSIONAL DRAWING



THREE AXIS CONTROLLER

| 三轴控制器

AMC4030

3

ARM

CPU

The AMC4030 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.

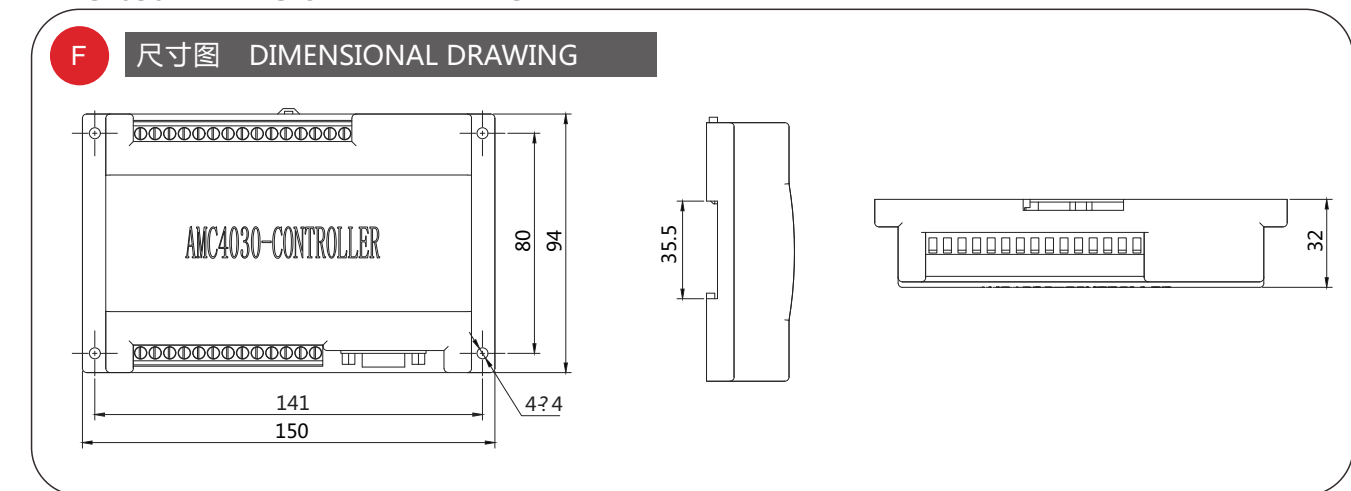
AMC4030 三轴控制器-技术参数

AMC4030-TECHNICAL PARAMETER

TECHNICAL PARAMETER	型号 Type	AMC4030
	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	串口、USB
	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	232、USB

AMC4030 三轴控制器-尺寸图

AMC4030-DIMENSIONAL DRAWING





AMC4030 3-axis touch screen
| AMC4030三轴触摸屏

AMC4030

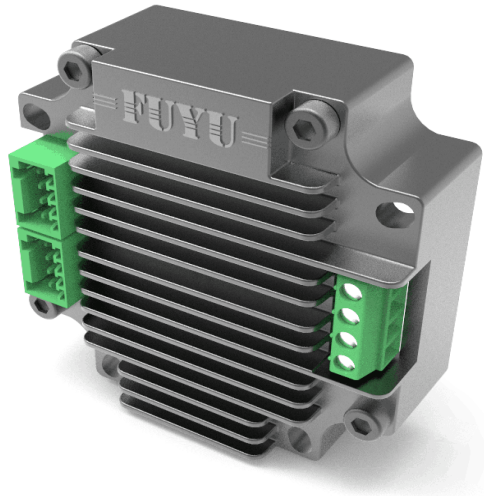
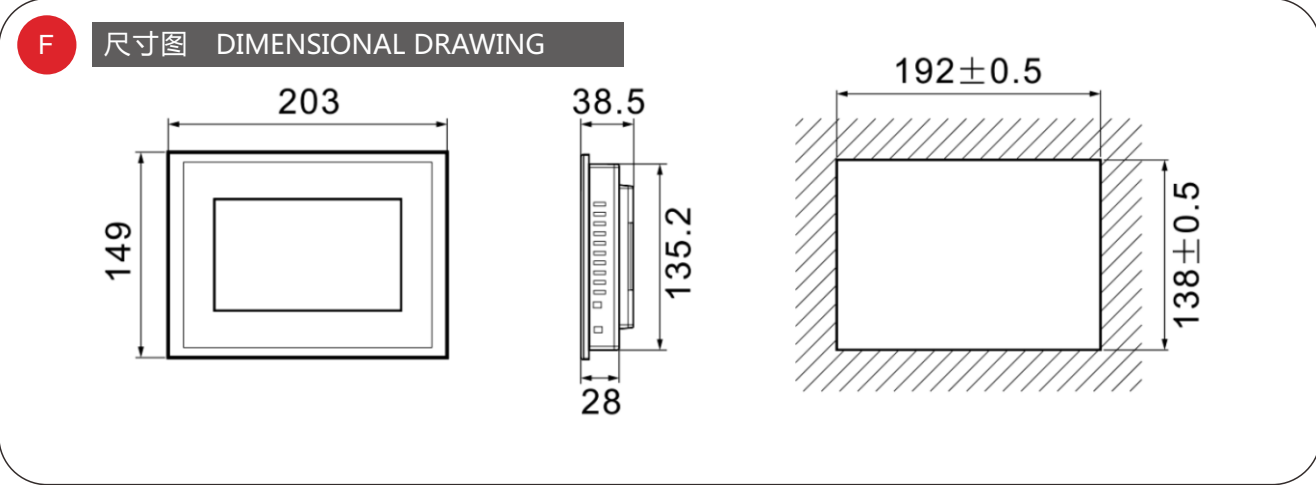
AMC4030

The AMC4030 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.

AMC4030 三轴运动控制器-技术参数
AMC4030-TECHNICAL PARAMETER

TECHNICAL PARAMETER	型号 Type	AMC4030
	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

AMC4030 三轴运动控制器-尺寸图
AMC4030-DIMENSIONAL DRAWING



FIC Drive Controller
| FIC驱控器

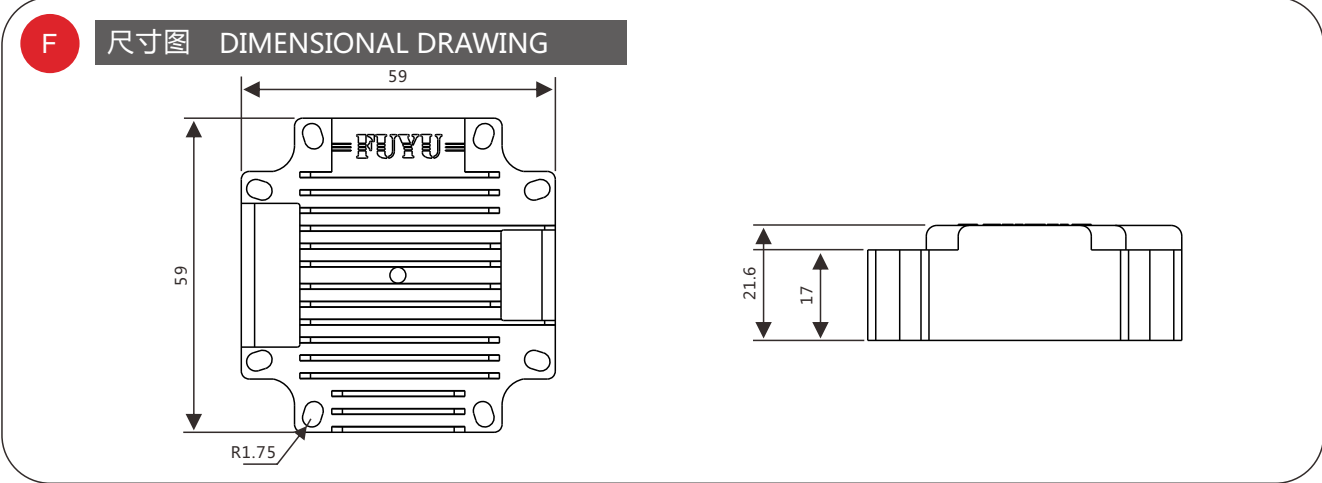
FIC		32
ARM	57	
4A	32	

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



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-1A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



AMC4030三轴控制器

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

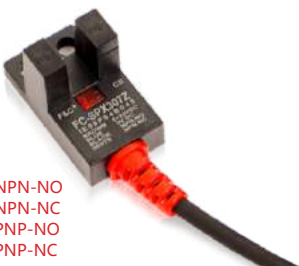
控制器 Controller



AMC4030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 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



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



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。

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

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

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

联轴器 coupler



FLK20-3035-0810

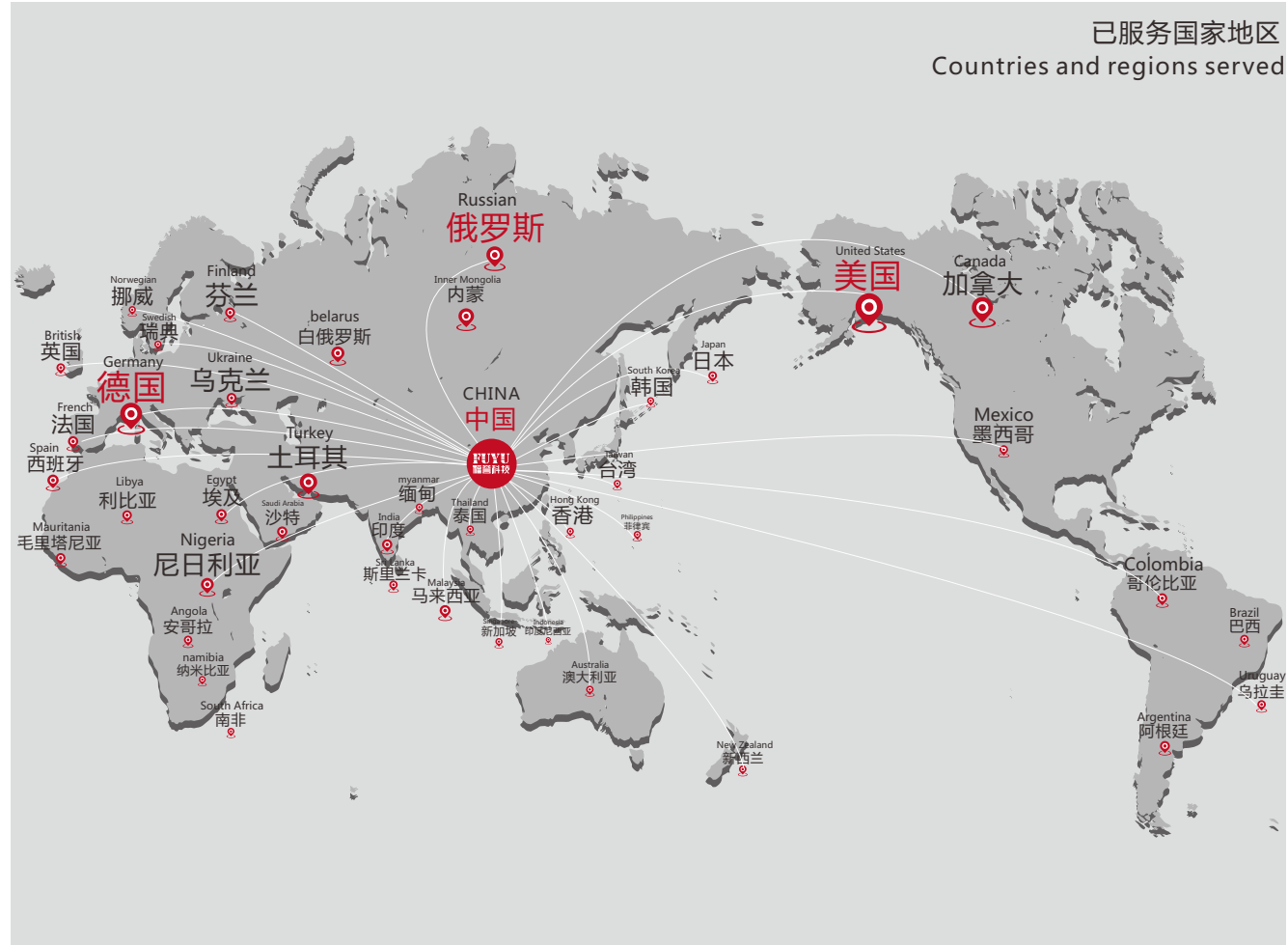
夹紧式有键槽的连接的动力
传动，摩擦夹紧力矩避免或
减少正反转的齿隙，也减少
了键槽的表面应力，可适合
正反转使用。

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

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

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：+028-65058998
技术支持邮箱：info@fuyuautomation.com
Technical Support Tel: +028-65058998
Technical support email: info@fuyuautomation.com

产品设计

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

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.

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售后服务邮箱：zjl@fuyuautomation.com

After-sales service Tel: +86-19940597791

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!