

HUAHENG

华外慧中 持之以恒
Enduring Excellence Pursuing

伸缩货叉

PALLET FORK



华恒物流事业部
HUAHENG INTELLIGENT LOGISTICS

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— 产品手册 —
Fork Product Manual

华恒伸缩货叉

Huaheng telescopic fork

堆垛机伸缩货叉广泛应用于智能立体库物流自动仓储系统中，常配合自动堆垛机使用，它是立体仓储中堆垛机存取物品的主要取料或送料机构，它具有自动伸缩功能，限位功能！它直接装配在堆垛机上，或固定升降举升机构、移动行走升降平台上，堆垛机穿行于货架之间的巷道中，完成自动存取或移载物品的工作！

The telescopic fork of the stacker is widely used in the intelligent three-dimensional warehouse logistics automatic storage system, often in conjunction with the automatic stacker. It is the main picking or feeding mechanism for the stacker to access items in the three-dimensional warehouse. It has the functions of automatic extension and limit! It is directly installed on a stacker crane, or fixed lifting mechanism or mobile walking lifting platform. The stacker crane passes through the alleys between the shelves to complete the automatic storage or transfer of items!



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长沙华恒机器人系统有限公司成立于2011年，是华恒集团旗下一家智能装备制造公司，致力于智能物流仓储、智能制造生产线和智能物流产品的开发、设计、制造与服务为一体的高新技术企业。

长沙华恒机器人系统有限公司占地约60000平方米，拥有1个办公中心和3个制造车间，及近200名从事工厂自动化物流行业多年的优秀设计开发与服务技术团队，公司已经拥有了多项专利技术证书，证书涵盖智能伸缩货叉、堆垛机、智能立体仓库、软件控制等。

长沙华恒自成立以来，始终重视物流标准产品的技术与加工经验积累，其自主研发制造的伸缩货叉已广泛应用于汽车、第三方物流、医药、重工、军工、印刷、生物农业、食品、3C电子、国家电网、陶瓷、港机、叉车、机加线边库、服装、冷链、新能源等行业知名企业，所涉及的伸缩货叉类型包括：单电机单伸位货叉、单电机双伸位货叉，双电机双伸位货叉及伸缩抱叉，其中大吨位的双伸位货叉在工程机械、港机、军工等重工行业获得一致好评，打破了国产制造双伸位大吨位货叉不稳定挠度高的技术壁垒。

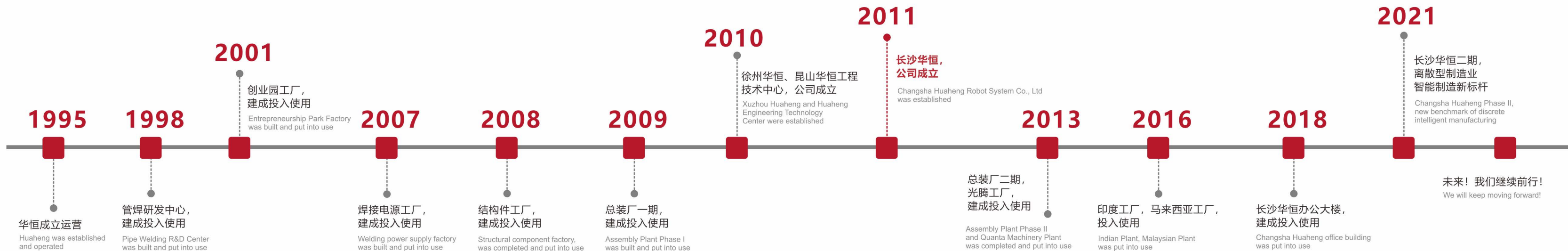
长沙华恒机器人系统有限公司一直秉承“华外慧中、持之以恒”的经营理念，以“创中国品牌、出世界精品”为目标，将持续为广大物流和自动化集成商们提供更优质的物流产品。

Changsha Huaheng Robot System Co., Ltd. was established in 2011, which is an intelligent equipment manufacturing company under Huaheng Group. It is a high-tech enterprise dedicated to the research and development, design, manufacture and service of intelligent logistics warehousing, intelligent manufacturing production lines and intelligent logistics products.

Changsha Huaheng Robot System Co., Ltd. covers an area of about 60,000 square meters, with an office center and three manufacturing workshops, and a team nearly 200 people has been engaged in the design, development and service of factory automation and logistics industry for many years. The company has a number of patent certificates, covering intelligent telescopic forks, stackers, intelligent three-dimensional warehouses, software control, etc.

Since its establishment, Changsha Huaheng has always attached importance to the accumulation of technology and processing experience of logistics standard products. Its self-developed telescopic forks have been widely used in well-known enterprises in automobile, third-party logistics, medicine, heavy industry, military industry, printing, bio-agriculture, food, 3C electronics, state grid, ceramics, port machinery, forklifts, machine-added line storage, clothing, cold chain, new energy and other industries. The types of telescopic forks involved include: single-motor single-deep forks, single-motor double-deep forks, dual-motor double-deep forks and telescopic clamp forks. Among them, the heavy-duty double-deep forks have won unanimous praise in heavy industries such as construction machinery, port machinery and military industry, breaking the technical barrier of high instability of domestic-made heavy-duty double deep forks.

Changsha Huaheng Robot System Co., Ltd. adheres to the spirit and philosophy of "Enduring Excellence Pursuing" with the goal of "creating a Chinese brand and building world-class products", and will continue to provide better logistics products for logistics and automation integrators.



货叉特点

Characteristics of forks



创中国品牌,
Creating a Chinese brand,
出世界精品
Building world-class products

主要部件及功能 / Main components and functions

<p>1 一体式上叉 Integrated upper fork 由高强度板材整体折弯加工而成，简洁美观，强度高 made of high-strength plate that is integrally bent and processed, simple and beautiful, with high strength</p>	<p>2 高强度滚针轴承 High-strength needle roller bearings 按伸缩叉行业要求定制，精度高，阻力小，径向承载能力强，具有高硬度及自调心功能，耐磨抗冲击 customized according to the requirements of the telescopic fork industry, with high precision, low resistance, strong radial load-bearing capacity, high hardness and self-aligning function, wear resistance and impact resistance</p>	<p>3 高分子材料导向块 Polymer material guide block 超高分子聚乙烯，高耐磨、耐冲击，具有自润滑性 ultra-high molecular polyethylene, highly wear-resistant, impact-resistant, and self-lubricating</p>	<p>4 板式链条 Plate chain 抗拉伸，强度高，破坏荷载大，耐疲劳 Tensile resistance, high strength, large damage load, fatigue resistance</p>
<p>5 一体式中叉 Integrated middle fork 采用优质钢材、加工中心一体成型，具有高精度 Made of high-quality steel and integrally formed by a machining center, it has high precision</p>	<p>6 扭力限制器保护 Torque limiter protection 驱动部位配有限扭器，碟簧摩擦片结构，超载时打滑及时断开传动 The driving part is equipped with a torque limiter and a disc spring friction plate structure to promptly disconnect the transmission when slipping when overloaded</p>	<p>7 机械限位保护 Mechanical limit protection 伸缩叉内部配有机械限位，防止超行程脱出 The telescopic fork is equipped with a mechanical limit inside to prevent over-travel disengagement</p>	<p>8 驱动 Drive 可采用变频电机、交流伺服电机配行星减速机等方式提供驱动力 Variable frequency motors, AC servo motors and planetary reducers can be used to provide driving force</p>

真材实料，寿命长久

Real material, long service life



高强钢材
High-strength steel



强劲电机
Powerful motor



负载量大
Large load capacity



运行稳定
Stable operation



支持定制
Support customization

单电机单伸位货叉

Single motor single deep telescopic fork

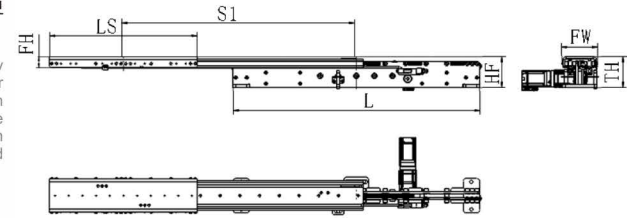


HFTA130×40单电机单伸位货叉多用于周转箱等50kg以下轻型货物，在进叉空间受限环境。叉体宽度仅为130mm，叉体精致小巧，叉身采用铝合金制作，具有更小的重量，一般单叉使用，亦可双叉或多叉联合使用。

HFTA130×40 single motor single extension cargo forks are mostly used for light goods weighing less than 50kg, such as turnover boxes, in environments with limited space for forking. The width of the fork body is only 130mm, and the fork body is exquisite and compact. The fork body is made of aluminum alloy, which has a smaller weight. It is generally used as a single fork, and can also be used in combination with double or multiple forks.

- 空载最大速度: 0-50m/min
No-load maximum speed : 0-50m/min
- 满载最大速度: 0-30m/min
Full load maximum speed : 0-30m/min
- 空载加速度: 1m/s²
No-load acceleration : 1m/s²
- 满载加速度: 0.5m/s²
Full load acceleration : 0.5m/s²

轻型单电机单伸位 (HFTA130×40-H-SM-Z)
Light single motor single deep telescopic fork(HFTA130×40-H-SM-Z)



FH叉体厚度(mm) FH fork thickness(mm)	LS上叉长度(mm) LS upper fork length(mm)	L叉体长度(mm) L fork length(mm)	S1最大行程(安全行程mm) S1 maximum stroke(safety stroke)	TH叉体总高度(mm) TH fork total height(mm)	HF安装高度(mm) HF installation height(mm)	FW叉体宽度(mm) FW fork width(mm)	Q负载(kg) Q load(kg)	负载挠度(mm)±10% Load disturbance(mm)±10%	空载挠度(mm)±10% No-load disturbance(mm)±10%
40	400	400	450+30	113	113	130	50	3	≤2
		500	550+30				50	4	
		500	550+30				50	5	
		600	650+30				50	6	
		600	650+30				50	6	
		600	720+30				50	8	
	550	600	700+30				120	7	
		600	750+30				120	7	
		700	750+30				120	8	
		700	800+30				120	9	
		800	800+30				120	9	
		800	850+30				120	9	
	600	700	800+30				120	8	
		700	850+30				120	10	
		750	850+30				120	10	
		800	910+30				120	11	
		800	850+30				120	9	
		800	910+30				120	11	
	650	700	800+30				35	8	
		700	850+30				35	10	
		800	850+30				35	11	
		800	910+30				28	10	
		900	950+30				20	10	
		900	1010+30				18	11	
700	750	800+30	35	8					
	750	850+30	30	8					
	800	950+30	30	12					
	800	1000+30	20	11					
	900	1010+30	20	12					
	900	1200+30	10	15					
750	800	950+30	20	9					
	800	1000+30	20	11					
	900	950+30	20	9					
	900	1010+30	20	11					
	900	1010+30	20	11					
	900	1200+30	10	13					
800	800	950+30	20	9					
	900	1010+30	20	11					
	900	1010+30	20	11					
	900	1010+30	20	11					
	900	1010+30	20	11					
	900	1200+30	10	13					
900	900	950+30	20	9					
	900	1000+30	20	11					
	900	1010+30	20	11					
	900	1010+30	20	11					
	900	1010+30	20	11					
	900	1200+30	10	13					

单电机单伸位货叉

Single motor single deep telescopic fork



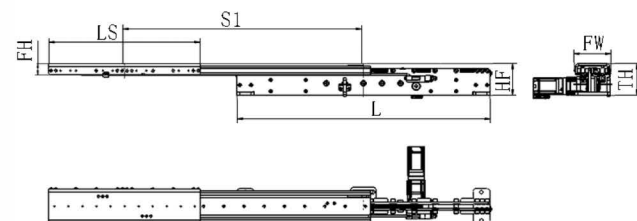
HFTA42单电机单伸位货叉多用于周转箱等轻型货物的自动化仓库存储。叉体精致小巧，一般单叉使用，亦可双叉或多叉联合使用。

The utilization of this equipment is extensive in the automated storage systems for lightweight goods like turnover boxes. The fork body is delicate and compact, typically employed as a single fork but can also be used in combination with double forks or multiple forks.

- 空载最大速度: 0-50m/min
No-load maximum speed : 0-40m/min
- 满载最大速度: 0-30m/min
Full load maximum speed : 0-30m/min
- 空载加速度: 1m/s²
No-load acceleration : 1m/s²
- 满载加速度: 0.5m/s²
Full load acceleration : 0.5m/s²

轻型单电机单伸位 (HFTA42-H-SM-Z)

Light single motor single deep telescopic fork(HFTA42-H-SM-Z)



FH叉体厚度(mm) FH fork thickness(mm)	LS上叉长度(mm) LS upper fork length(mm)	L叉体长度(mm) L fork length(mm)	S1最大行程(安全行程mm) S1 maximum stroke(safety stroke)	TH叉体总高度(mm) TH fork total height(mm)	HF安装高度(mm) HF installation height(mm)	FW叉体宽度(mm) FW fork width(mm)	Q负载(kg) Q load(kg)	负载挠度(mm)±10% Load disturbance(mm)±10%	空载挠度(mm)±10% No-load disturbance(mm)±10%					
42	400	400	450+30	125	125	180-600	150	2	≤4					
		500	550+30				150	2						
	500	500	550+30				150	2		≤4				
		600	650+30				150	4						
	550	600	650+30				150	4			≤4			
		600	720+30				150	5						
	600	700	750+30				150	6				≤4		
		750	860+30				150	9						
	650	700	810+30				120	5					≤4	
		750	860+30				120	7						
	650	800	850+30				120	7						≤4
			910+30				120	9						
	700	700	750+30				120	5	≤4					
		750	860+30				120	6						
	700	800	850+30				120	6		≤4				
			910+30				120	7						
	750	800	850+30				120	7			≤3			
			910+30				120	7						
	750	900	950+30				120	7				≤3		
			1010+30				120	9						
	800	800	910+30				120	7					≤3	
			950+30				120	7						
	800	900	1010+30				120	9						≤3
			1050+30				120	9						
800	1000	1110+30	120	11	≤3									
		1110+30	120	11										
900	900	1010+30	120	9		≤4								
		1110+30	120	9										
900	1000	1110+30	120	13			≤4							
		1210+30	100	10										
1000	1000	1110+30	90	13				≤4						
		1210+30	80	15										
1100	1100	1210+30							≤4					
		1310+30												

单电机单伸位货叉

Single motor single deep telescopic fork



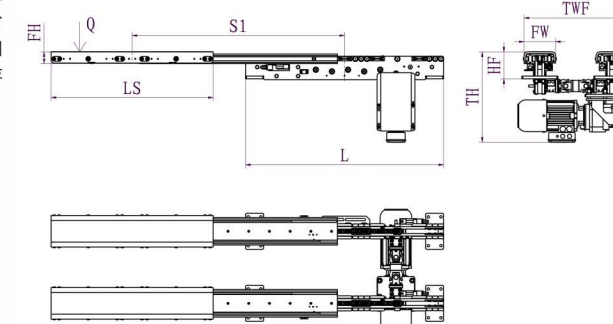
HFTB175×65 系列单伸位货叉是最常用货叉型号之一，一般单叉使用，亦可双叉或多叉联合使用。这个系列货叉多用于 1200mm 和 1300mm 系列的标准托盘的自动化立体仓库存储。

This fork is one of the most commonly used fork models, usually used as a single fork, or as a combination of two or more forks. This series of forks are mostly used for automated warehouse storage of standard pallets in the 1200mm and 1300mm series.

- 空载最大速度: 0-40m/min
No-load maximum speed : 0-40m/min
- 满载最大速度: 0-30m/min
Full load maximum speed : 0-30m/min
- 空载加速度: 1m/s²
No-load acceleration : 1m/s²
- 满载加速度: 0.5m/s²
Full load acceleration : 0.5m/s²

单电机单伸位 (HFTB175×65-H-SM-ZZ)

Single motor single deep telescopic fork(HFTB175×65-H-SM-ZZ)



FH叉体厚度(mm) FH fork thickness(mm)	LS上叉长度(mm) LS upper fork length(mm)	L叉体长度(mm) L fork length(mm)	S1最大行程(安全行程mm) S1 maximum stroke(safety stroke)	TH叉体总高度(mm) TH fork total height(mm)	HF安装高度(mm) HF installation height(mm)	TWF叉体宽度(mm) TWF fork width(mm)	FW叉体宽度(mm) FW fork width(mm)	Q负载(kg) Q load(kg)	负载挠度(mm)±10% Load disturbance(mm)±10%	空载挠度(mm)±10% No-load disturbance(mm)±10%			
65	800	800	900+30	515	149	≥580	175	1200	6	≤2			
			950+30					1200	8				
			1200+30					1000	20				
		900	900					950+30	1200		7	≤3	
								1000+30	1200		9		
								1200+30	1200		18		
	900	1000	900					1000+30	1200	8	≤3		
								1050+30	1200	11			
								1250+30	1100	18			
		1000	1000					1000	1050+30	1200		8	≤4
									1100+30	1200		11	
									1300+30	1200		18	
	1000	1100	1000					1050+30	1200	11	≤4		
								1150+30	1200	13			
								1300+30	1100	19			
		1100	1100					1100	1250+30	1200		15	≤4
									1350+30	1100		19	
									1500+30	1200		16	
	1100	1200	1100					1250+30	1200	22	≤4		
								1350+30	1200	17			
								1400+30	1100	20			
		1200	1200					1200	1500+30	1200		20	≤4
									1600+30	1100		19	
									1700+30	1200		21	
	1200	1300	1200					1400+30	1200	20	≤4		
								1500+30	1200	20			
								1600+30	800	20			
		1300	1300					1300	1400+30	1000		18	≤4
									1450+30	1000		21	
									1550+30	700		19	
	1300	1400	1400					1500+30	900	21	≤4		
								1550+30	800	21			
								1600+30	800	23			
		1400	1400					1400	1650+30	700		22	≤4
									1700+30	600		21	
									1750+30	600		24	
1400	1500	1500	1700+30	500	24	≤5							
			1750+30										
			1850+30										

单电机单伸位货叉

Single motor single deep telescopic fork



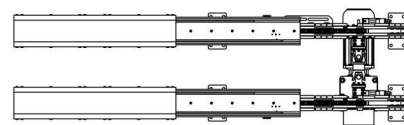
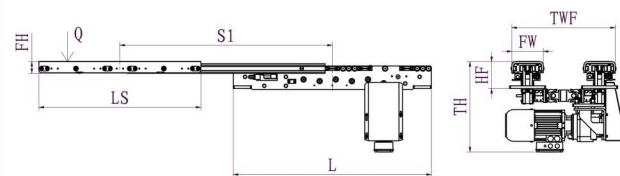
HFTB180×70 系列单伸位货叉，比 HFTB175×65 系列负载力稍强的系列。这个系列货叉多用于 <1500kg 标准托盘的自动化立体仓库存储。

HFTB180×70 series Single deep telescopic fork, which is slightly stronger than the HFTB 175X65 series. This series of forks are mostly used for automated stereo warehouse storage of <1500kg standard tray.

- 空载最大速度: 0-40m/min
No-load maximum speed : 0-40m/min
- 满载最大速度: 0-30m/min
Full load maximum speed : 0-30m/min
- 空载加速度: 1m/s²
No-load acceleration : 1m/s²
- 满载加速度: 0.5m/s²
Full load acceleration : 0.5m/s²

单电机单伸位 (HFTB180×70-H-SM-2Z)

Single motor single deep telescopic fork(HFTB180×70-H-SM-2Z)



FH叉体厚度(mm) FH fork thickness(mm)	LS上叉长度(mm) LS upper fork length(mm)	L叉体长度(mm) L fork length(mm)	S1最大行程(安全行程 mm) S1 maximum stroke(safety stroke)	TH叉体总高度(mm) TH fork total height(mm)	HF安装高度(mm) HF installation height(mm)	TWF叉体宽度(mm) TWF fork width(mm)	FW叉体宽度(mm) FW fork width(mm)	Q负载(kg) Q load(kg)	负载挠度(mm)±10% Load disturbance(mm)±10%	空载挠度(mm)±10% No-load disturbance(mm)±10%	
70	1000	1000	1000	1150+30	515	152	≥580	180	1500	12	≤2
			1100	1250+30					1500	14	≤3
			1200	1350+30					1500	17	
	1100	1200	1350+30	1500					18	≤4	
			1200	1300+30					1500		16
			1200	1350+30					1500		20
	1200	1200	1400+30	1500					21		
			1450+30	1300					21		
			1400+30	1500					20		
			1450+30	1300					20		
			1400+30	1500					21		
			1450+30	1300					20		
	1300	1300	1400+30	1000					20		
			1450+30	1200					20		
			1550+30	1000					19		
	1400	1400	1500+30	850					21		
			1550+30	850					20		
			1650+30	700					21		
	1500	1500	1650+30	700					20		
			1750+30	650					22		
	1600	800	1750+30	550					23		≤5
	1700	1700	1850+30	350					23		
	1800	1800	1950+30								
	2000	2000	2150+30								

单电机单伸位货叉

Single motor single deep telescopic fork



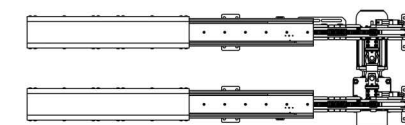
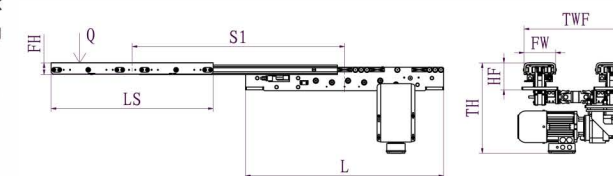
HFTB180×80 系列单伸位货叉，具有更强的承载能力。这个系列货叉多用于 1500kg-2000kg 标准托盘的自动化立体仓库存储。

HFTB180×80 series single deep fork has stronger carrying capacity. This series of forks are mostly used for automated stereo warehouse storage of 1500kg-2000kg standard tray.

- 空载最大速度: 0-40m/min
No-load maximum speed : 0-40m/min
- 满载最大速度: 0-30m/min
Full load maximum speed : 0-30m/min
- 空载加速度: 1m/s²
No-load acceleration : 1m/s²
- 满载加速度: 0.5m/s²
Full load acceleration : 0.5m/s²

单电机单伸位 (HFTB180×80-H-SM-2Z)

Single motor single deep telescopic fork(HFTB180×80-H-SM-2Z)



FH叉体厚度(mm) FH fork thickness(mm)	LS上叉长度(mm) LS upper fork length(mm)	L叉体长度(mm) L fork length(mm)	S1最大行程(安全行程 mm) S1 maximum stroke(safety stroke)	TH叉体总高度(mm) TH fork total height(mm)	HF安装高度(mm) HF installation height(mm)	TWF叉体宽度(mm) TWF fork width(mm)	FW叉体宽度(mm) FW fork width(mm)	Q负载(kg) Q load(kg)	负载挠度(mm)±10% Load disturbance(mm)±10%	空载挠度(mm)±10% No-load disturbance(mm)±10%			
80	1000	1000	1000	1150+30	530	152	≥580	180	2000	10	≤3		
			1100	1250+30					2000	12			
			1200	1350+30					2000	15			
	1100	1200	1350+30	1100					1250+30	2000	13	≤4	
			1200	1300+30					2000	15			
			1200	1350+30					2000	14			
	1200	1200	1400+30	1200					1300+30	2000	16		
			1450+30	1200					1350+30	2000	19		
			1400+30	1300					1450+30	2000	17		
			1450+30	1400+30					1550+30	2000	20		
			1400+30	1400					1550+30	1500	18		
			1450+30	1300					1450+30	1350	20		
	1300	1300	1400+30	1600					1750+30	1200	21		≤5
			1450+30	1700					1850+30	1000	21		
			1550+30	1800					1950+30	850	22		
	1400	1400	1500+30	1900					2050+30	700	22		
			1550+30	2000					2100+30	600	21		
			1650+30	2000					2150+30	500	20		
	1500	1500	1650+30	2000					2250+30	500	23		≤6
			1750+30	2350+30					400	23			
	2100	2100	2250+30	400					20				
	2200	2200	2350+30	400					23				
	2300	2300	2450+30	300					22	≤7			
	2400	2400	2550+30	300					25	≤8			
2500	2500	2650+30	200	24	≤10								

单电机单伸位货叉

Single motor single deep telescopic fork



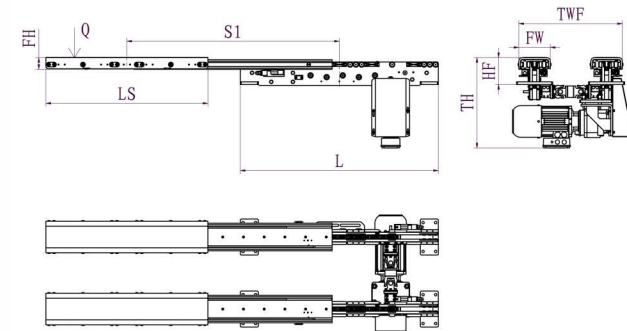
HFTB180×85 系列单伸位货叉，作为 HFTB180×80 系的加强版具有更强的承载能力。这个系列货叉多用于 1750kg-2500kg 标准托盘的自动化立体仓库存储。

The HFTB180 × 85 series single extension fork, as a reinforced version of the HFTB180 × 80 series, has stronger load-bearing capacity. This series of forks is mostly used for automated three-dimensional warehouse storage of 1750kg-2500kg standard pallets.

- 空载最大速度：0-40m/min
No-load maximum speed : 0-40m/min
- 满载最大速度：0-30m/min
Full load maximum speed : 0-30m/min
- 空载加速度：1m/s²
No-load acceleration : 1m/s²
- 满载加速度：0.5m/s²
Full load acceleration : 0.5m/s²

单电机单伸位 (HFTB180×85-H-SM-2Z)

Single motor single deep telescopic fork(HFTB180×85-H-SM-2Z)



FH叉体厚度(mm) FH fork thickness(mm)	LS上叉长度(mm) LS upper fork length(mm)	L叉体长度(mm) L fork length(mm)	S1最大行程(安全行程 mm) S1 maximum stroke(safety stroke)	TH叉体总高度(mm) TH fork total height(mm)	HF安装高度(mm) HF installation height(mm)	TWF叉体宽度(mm) TWF fork width(mm)	FW叉体宽度(mm) FW fork width(mm)	Q负载(kg) Q load(kg)	负载挠度(mm)±10% Load disturbance(mm)±10%	空载挠度(mm)±10% No-load disturbance(mm)±10%	
85	1000	1000	1150+30	535	157	≥580	180	2500	10	≤3	
		1100	1250+30					2500	12		
		1200	1350+30					2500	15		
	1100	1100	1250+30					2500	13	≤4	
		1200	1350+30					2500	15		
	1200	1200	1300+30					2500	14		
		1200	1350+30					2500	16		
		1300	1450+30					2500	19		
	1300	1300	1400+30					2500	17		≤5
			1450+30					2500	20		
	1400	1400	1550+30					1850	18		
	1500	1500	1650+30					1650	20		
	1600	1600	1750+30					1500	21		
	1700	1700	1850+30					1250	21		
	1800	1800	1950+30					1060	22		
	1900	1900	2050+30					870	22		
	2000	2000	2100+30					750	21		
	2000	2000	2150+30					625	20	≤6	
			2250+30					625	23		
			2350+30					500	23		
2250+30			500	20							
2100	2100	2250+30	500	23							
2200	2200	2350+30	375	22							
2300	2300	2450+30	375	25							
2400	2400	2550+30	250	24							
2500	2500	2650+30									

单电机单伸位货叉

Single motor single deep telescopic fork



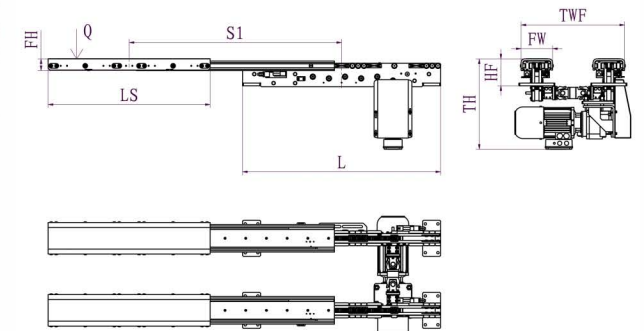
HFTB180×90 系列单伸位货叉，具有更强的承载能力。这个系列货叉多用于 2000kg-2800kg 标准托盘的自动化立体仓库存储，具有更大的伸长度。

HFTB180 × 90 series single deep fork has stronger carrying capacity. This series of forks are mostly used for automated stereo warehouse storage of 2000kg-2800kg standard tray, which has a larger extension. ehouse storage of 1500kg-2000kg standard tray.

- 空载最大速度：0-40m/min
No-load maximum speed : 0-40m/min
- 满载最大速度：0-30m/min
Full load maximum speed : 0-30m/min
- 空载加速度：1m/s²
No-load acceleration : 1m/s²
- 满载加速度：0.5m/s²
Full load acceleration : 0.5m/s²

单电机单伸位 (HFTB180×90-H-SM-2Z)

Single motor single deep telescopic fork(HFTB180×90-H-SM-2Z)



FH叉体厚度(mm) FH fork thickness(mm)	LS上叉长度(mm) LS upper fork length(mm)	L叉体长度(mm) L fork length(mm)	S1最大行程(安全行程 mm) S1 maximum stroke(safety stroke)	TH叉体总高度(mm) TH fork total height(mm)	HF安装高度(mm) HF installation height(mm)	TWF叉体宽度(mm) TWF fork width(mm)	FW叉体宽度(mm) FW fork width(mm)	Q负载(kg) Q load(kg)	负载挠度(mm)±10% Load disturbance(mm)±10%	空载挠度(mm)±10% No-load disturbance(mm)±10%	
90	1000	1000	1150+30	535	170	≥580	180	2800	9	≤3	
		1100	1250+30					2800	10		
		1200	1350+30					2800	12		
	1100	1100	1250+30					2800	10	≤4	
		1200	1350+30					2800	12		
	1200	1200	1300+30					2800	11		
		1200	1350+30					2800	13		
		1300	1450+30					2800	17		
	1300	1300	1400+30					2800	14		≤5
			1450+30					2800	16		
	1400	1400	1550+30					2500	18		
	1500	1500	1650+30					2500	21		
	1600	1600	1750+30					2000	21		
	1700	1700	1850+30					1800	21		
	1800	1800	1950+30					1500	22		
	1900	1900	2050+30					1200	22		
	2000	2000	2100+30					1000	21		
	2000	2000	2150+30					800	20	≤6	
			2250+30					800	23		
			2350+30					750	23		
2250+30			750	20							
2100	2100	2250+30	700	21							
2200	2200	2350+30	600	22							
2300	2300	2450+30	500	21							
2400	2400	2550+30	400	21							
2500	2500	2650+30									

单电机单伸位货叉

Single motor single deep telescopic fork



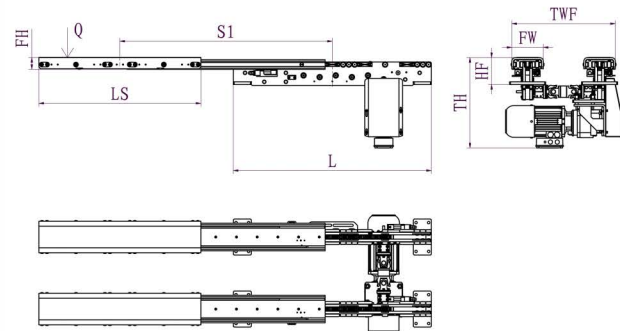
HFTC230×100 系列是一款重载型的单伸位货叉，在重型或者大型机械结构件制造行业等有广泛应用。这个系列货叉多用于 2000kg-4000kg 标准托盘的自动化立体仓库存储。也可多叉使用，用于超宽超重货物的搬运。

The HFTC230 × 100 series is a heavy-duty single extension fork, widely used in the manufacturing industry of heavy-duty or large mechanical structural components. This series of forks is mostly used for automated three-dimensional warehouse storage of 2000kg-4000kg standard pallets. It can also be used with multiple forks for handling oversized and overweight goods.

- 空载最大速度：0-40m/min
No-load maximum speed : 0-40m/min
- 满载最大速度：0-30m/min
Full load maximum speed : 0-30m/min
- 空载加速度：0.5m/s²
No-load acceleration : 0.5m/s²
- 满载加速度：0.5m/s²
Full load acceleration : 0.5m/s²

单电机单伸位 (HFTC230×100-H-SM-2Z)

Single motor single deep telescopic fork(HFTC230×100-H-SM-2Z)



FH叉体厚度(mm) FH fork thickness(mm)	LS上叉长度(mm) LS upper fork length(mm)	L叉体长度(mm) L fork length(mm)	S1最大行程(安全行程mm) S1 maximum stroke(safety stroke)	TH叉体总高度(mm) TH fork total height(mm)	HF安装高度(mm) HF installation height(mm)	TWF叉体宽度(mm) TWF fork width(mm)	FW叉体宽度(mm) FW fork width(mm)	Q负载(kg) Q load(kg)	负载挠度(mm)±10% Load disturbance(mm)±10%	空载挠度(mm)±10% No-load disturbance(mm)±10%
100	1100	1200	1350+30	576(减速机竖装 Vertical installation of reducer) /	189	≥710	239	4000	12	≤4
			1350+30					4000	11	
	1200	1300	1400+30					4000	12	
			1450+30					4000	13	
	1300	1400	1500+30					4000	14	
			1550+30					4000	16	
	1400	1500	1600+30					4000	14	
			1650+30					4000	19	
	1500	1600	1700+30					3800	19	
			1750+30					3500	20	
	1600	1700	1800+30					3200	20	
			1850+30					3000	21	
	1700	1800	1900+30					2800	20	
			1950+30					2500	21	
	1800	1900	2100+30					2000	22	
			2050+30					2000	20	
	1900	2000	2200+30					1500	20	
			2100+30					1800	20	
	2000	2100	2200+30					1500	20	
			2300+30					1200	19	
	2100	2200	2400+30					1000	19	
			2500+30					800	19	
	2200	2300	2250+30					1600	22	
			2500+30					850	20	
2300	2400	2350+30	1200	20						
		2600+30	700	21						
2400	2500	2450+30	1000	20						
		2550+30	850	21						
2500	2600	2650+30	750	21						
		2750+30	600	21						
2600	2750+30	2850+30	500	22						
		2950+30	400	22						
2750+30	2750+30	3050+30	300	21						
		3200+30	300	25						
2750+30	2750+30	2750+30	500	20						
		2750+30	500	20						

单电机单伸位货叉

Single motor single deep telescopic fork



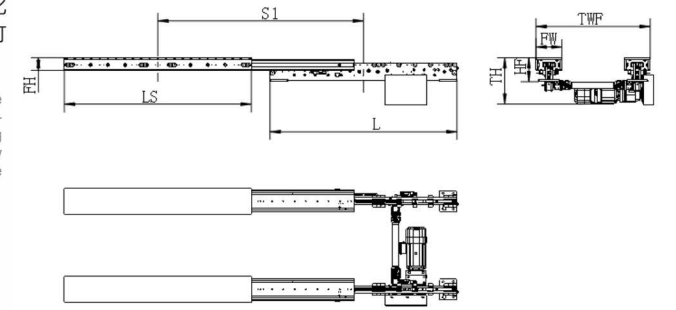
HFTC250×120 系列是一款重载型的单伸位货叉，多用于 2500kg-4500kg 标准托盘的自动化立体仓库存储。可用于长行程低挠度的场合。可多叉联动用于大型机械和大型板材的搬运。

The HFTC250 × 120 series fork is a heavy-duty single deep fork, which is mostly used for automated three-dimensional warehouse storage for 2500kg-4500kg standard tray. It can be used for the occasion of low deflection. It can be used by multi-fork linkage for large-scale machinery and large plates.

- 空载最大速度：0-40m/min
No-load maximum speed : 0-40m/min
- 满载最大速度：0-30m/min
Full load maximum speed : 0-30m/min
- 空载加速度：0.5m/s²
No-load acceleration : 0.5m/s²
- 满载加速度：0.5m/s²
Full load acceleration : 0.5m/s²

单电机单伸位 (HFTC250×120-H-SM-2Z)

Single motor single deep telescopic fork(HFTC250×120-H-SM-2Z)



FH叉体厚度(mm) FH fork thickness(mm)	LS上叉长度(mm) LS upper fork length(mm)	L叉体长度(mm) L fork length(mm)	S1最大行程(安全行程mm) S1 maximum stroke(safety stroke)	TH叉体总高度(mm) TH fork total height(mm)	HF安装高度(mm) HF installation height(mm)	TWF叉体宽度(mm) TWF fork width(mm)	FW叉体宽度(mm) FW fork width(mm)	Q负载(kg) Q load(kg)	负载挠度(mm)±10% Load disturbance(mm)±10%	空载挠度(mm)±10% No-load disturbance(mm)±10%
120	1500	1500	1650+30	455	231	≥735	250	4500	11	≤4
			1750+30					4500	13	
	1600	1600	1850+30					4500	15	
			1950+30					4500	18	
	1700	1700	2050+30					4500	20	
			2150+30					4000	21	
	1800	1800	2200+30					3500	21	
			2300+30					3000	21	
	1900	1900	2400+30					2800	23	
			2500+30					2200	22	
	2000	2000	2600+30					2000	24	
			2700+30					3000	19	
	2100	2100	2250+30					2650	20	
			2350+30					2300	19	
	2200	2200	2450+30					2300	19	
			2550+30					2000	23	
	2300	2300	2650+30					2000	24	
			2750+30					1500	24	
	2400	2400	2850+30					1200	23	
			2950+30					1000	23	
	2500	2500	3050+30					900	24	
			3150+30					900	24	

单电机单伸位货叉

Single motor single deep telescopic fork



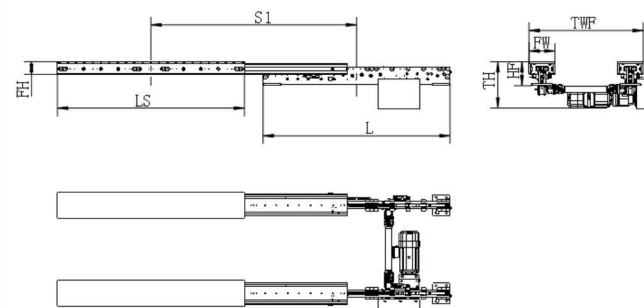
HFTC250×130 系列是一款重载型的单伸位货叉，多用于 3000kg-5000kg 需要更大行程和更小挠度的场合，在重型机械结构件及大型板材等领域有广泛应用。可多叉联动用于大型机械和大型板材的搬运。

The HFTC250 × 130 series is a heavy-duty single deep fork, which is mostly used for 3000kg-5000kg. It requires a larger itinerary and smaller deflection. It is widely used in the fields of heavy mechanical components and large plates. It can be used by multi -fork linkage for large -scale machinery and large plates.

- 空载最大速度: 0-35m/min
No-load maximum speed : 0-35m/min
- 满载最大速度: 0-30m/min
Full load maximum speed : 0-30m/min
- 空载加速度: 0.5m/s²
No-load acceleration : 0.5m/s²
- 满载加速度: 0.5m/s²
Full load acceleration : 0.5m/s²

单电机单伸位 (HFTC250×130-H-SM-2Z)

Single motor single deep telescopic fork(HFTC250×130-H-SM-2Z)



FH叉体厚度(mm) FH fork thickness(mm)	LS上叉长度(mm) LS upper fork length(mm)	L叉体长度(mm) L fork length(mm)	S1最大行程(安全行程 mm) S1 maximum stroke(safety stroke)	TH叉体总高度(mm) TH fork total height(mm)	HF安装高度(mm) HF installation height(mm)	TWF叉体宽度(mm) TWF fork width(mm)	FW叉体宽度(mm) FW fork width(mm)	Q负载(kg) Q load(kg)	负载挠度(mm)±10% Load disturbance(mm)±10%	空载挠度(mm)±10% No-load disturbance(mm)±10%
130	1500	1500	1650+30	460	235	≥735	250	5000	9	≤4
	1600	1600	1750+30					5000	11	
	1700	1700	1850+30					5000	13	
	1800	1800	1950+30					5000	15	
	1900	1900	2050+30					5000	17	
	2000	2000	2150+30					5000	20	
	2100	2100	2250+30					4500	21	
			2300+30					4000	22	
			2400+30					3700	22	
			2500+30					3000	21	
			2200	2200	2350+30	3500	19			
	2300	2300	2450+30	3500	22					
	2400	2400	2550+30	3000	20					
	2500	2500	2650+30	2650	22					
	2600	2600	2750+30	2200	20					
	2700	2700	2850+30	2000	22					
	2800	2800	2950+30	1800	23					
	2900	2900	3050+30	1500	23					
	3000	3000	3150+30	1300	23					
	3200	3200	3350+30	800	22					
									≤6	

单电机单伸位货叉

Single motor single deep telescopic fork



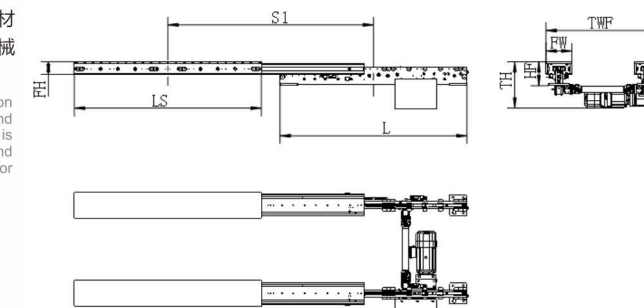
HFTC280×145系列是一款重载型的单伸位货叉，多用于4000kg-7000kg需要更大行程和更小挠度的场合，在重型机械结构件及大型板材等领域有广泛应用。可多叉联动用于大型机械和大型板材的搬运。

The HFTC280 × 145 series is a heavy-duty single extension fork, commonly used in situations between 4000kg and 7000kg that require larger travel and smaller deflection. It is widely used in heavy machinery structural components and large sheet metal fields. Multi fork linkage can be used for the handling of large machinery and large sheets.

- 空载最大速度: 0-35m/min
No-load maximum speed : 0-35m/min
- 满载最大速度: 0-30m/min
Full load maximum speed : 0-30m/min
- 空载加速度: 0.5m/s²
No-load acceleration : 0.5m/s²
- 满载加速度: 0.5m/s²
Full load acceleration : 0.5m/s²

单电机单伸位 (HFTC280×145-H-SM-2Z)

Single motor single deep telescopic fork(HFTC280×145-H-SM-2Z)



FH叉体厚度(mm) FH fork thickness(mm)	LS上叉长度(mm) LS upper fork length(mm)	L叉体长度(mm) L fork length(mm)	S1最大行程(安全行程 mm) S1 maximum stroke(safety stroke)	TH叉体总高度(mm) TH fork total height(mm)	HF安装高度(mm) HF installation height(mm)	TWF叉体宽度(mm) TWF fork width(mm)	FW叉体宽度(mm) FW fork width(mm)	Q负载(kg) Q load(kg)	负载挠度(mm)±10% Load disturbance(mm)±10%	空载挠度(mm)±10% No-load disturbance(mm)±10%
145	1500	1500	1650+30	460	238	≥735	280	7000	9	≤4
	1600	1600	1750+30					7000	11	
	1700	1700	1850+30					7000	13	
	1800	1800	1950+30					7000	14	
	1900	1900	2050+30					7000	15	
	2000	2000	2150+30					7000	17	
	2100	2100	2250+30					6000	21	
			2300+30					6000	22	
			2400+30					5000	21	
			2500+30					6000	19	
			2200	2200	2350+30	5600	20			
	2300	2300	2450+30	5000	21					
	2400	2400	2550+30	4500	21					
	2500	2500	2650+30	4000	23					
			2800+30	3000	24					
			3000+30	3500	20					
	2600	2600	2750+30	3000	19					
	2700	2700	2850+30	2800	21					
	2800	2800	2950+30	2500	21					
	2900	2900	3050+30	2000	20					
3000	3000	3150+30	1500	20						
3200	3200	3350+30	800	20						
									≤6	

单电机单伸位货叉

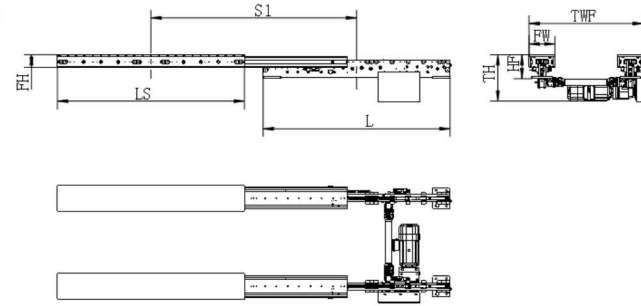
Single motor single deep telescopic fork



HFTC300×160 系列是一款重载型的单伸位货叉，多用于 5000kg-10000kg 需要更大行程和更小挠度的场合，在重型机械结构件及大型板材等领域有广泛应用。可多叉联动用于大型机械和大型板材的搬运。

The HFTC300 × 160 series is a heavy-duty single deep fork, which is mostly used for 5000kg-10000kg. It requires a larger itinerary and smaller deflection. It is widely used in the fields of heavy mechanical components and large plates. It can be used by multi -fork linkage for large -scale machinery and large plates.

- 空载最大速度: 0-35m/min
No-load maximum speed : 0-35m/min
- 满载最大速度: 0-30m/min
Full load maximum speed : 0-30m/min
- 空载加速度: 0.5m/s²
No-load acceleration : 0.5m/s²
- 满载加速度: 0.5m/s²
Full load acceleration : 0.5m/s²



单电机单伸位 (HFTC300x160-H-SM-2Z)
Single motor single deep telescopic fork(HFTC300x160-H-SM-2Z)

FH叉体厚度(mm) FH fork thickness(mm)	LS上叉长度(mm) LS upper fork length(mm)	L叉体长度(mm) L fork length(mm)	S1最大行程(安全行程 mm) S1 maximum stroke(safety stroke)	TH叉体总高度(mm) TH fork total height(mm)	HF安装高度(mm) HF installation height(mm)	TWF叉体宽度(mm) TWF fork width(mm)	FW叉体宽度(mm) FW fork width(mm)	Q负载(kg) Q load(kg)	负载挠度(mm)±10% Load disturbance(mm)±10%	空载挠度(mm)±10% No-load disturbance(mm)±10%	
160	1500	1500	1650+30	520	275	≥760	300	10000	9	≤3	
	1600	1600	1750+30					10000	10		
	1700	1700	1700					1850+30	10000		11
								1950+30	10000		13
								2100+30	10000		17
	1800	1800	1800					2300+30	8500		20
								2050+30	10000	15	
	1900	1900	1900					2150+30	10000	17	≤6
								2300+30	8500	19	
								2500+30	6500	20	
								2600+30	6000	22	
								2700+30	5000	22	
								2250+30	8000	16	
	2000	2000	2000					2300+30	8000	18	
								2400+30	7500	20	
								2500+30	6500	19	
								2650+30	8500	19	
								2850+30	7500	20	
								3050+30	7000	21	
	2100	2100	2100					2700+30	6000	20	
								2250+30	5000	22	
								2400+30	4000	24	
								2500+30	5000	20	
								2600+30	5000	22	
2800+30				4000	20						
2200	2200	2200	2950+30	4000	23						
			2900+30	3200	21						
			2900+30	4000	20						
			3000+30	3200	21						
			3150+30	4000	20						
			3200+30	2800	24						

单电机单伸位货叉

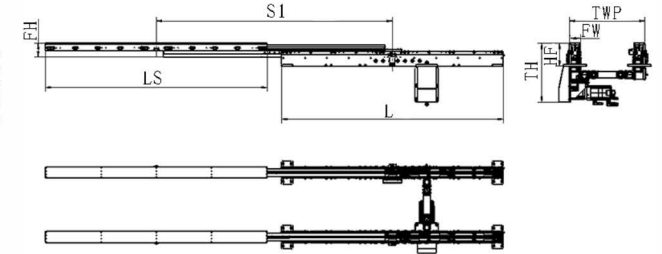
Single motor single deep telescopic fork



HFTB100×125单电机单伸位货叉具有更小的宽度，宽度仅为100mm，承载1000-1500kg，用于叉取空间宽度受限的场合。叉体精致小巧，一般双叉使用，亦可单叉或多叉联合使用。

The HFTB100 × 125 single motor single extension fork has a smaller width of only 100mm and can carry 1000-1500kg. It is used in situations where the width of the fork space is limited. The fork body is delicate and compact, usually used in double forks, and can also be used in combination with single or multiple forks.

- 空载最大速度: 0-45m/min
No-load maximum speed : 0-45m/min
- 满载最大速度: 0-30m/min
Full load maximum speed : 0-30m/min
- 空载加速度: 1m/s²
No-load acceleration : 1m/s²
- 满载加速度: 0.5m/s²
Full load acceleration : 0.5m/s²



单电机单伸位窄叉 (HFTB100x125-H-SM-2Z)
Single motor single extension narrow fork(HFTB100x125-H-SM-2Z)

FH叉体厚度(mm) FH fork thickness(mm)	LS上叉长度(mm) LS upper fork length(mm)	L叉体长度(mm) L fork length(mm)	S1最大行程(安全行程 mm) S1 maximum stroke(safety stroke)	TH叉体总高度(mm) TH fork total height(mm)	HF安装高度(mm) HF installation height(mm)	TWF叉体宽度(mm) TWF fork width(mm)	FW叉体宽度(mm) FW fork width(mm)	Q负载(kg) Q load(kg)	负载挠度(mm)±10% Load disturbance(mm)±10%	空载挠度(mm)±10% No-load disturbance(mm)±10%
125	1200	1200	1300+30	570	207	≥550	100	1500	6	≤4
			1350+30					1500	7	
			1450+30					1500	9	
		1400+30	1500					8		
		1550+30	1500					10		
		1650+30	1500					12		
	1300	1300	1750+30					1500	14	
			1850+30					1500	17	
			1950+30					1200	22	
		1400	1400					2050+30	1200	19
								2100+30	1000	21
								2150+30	1000	20
	1500		1500					2250+30	1000	22
								2350+30	800	21
								2250+30	800	18
	1600	1600	2250+30					650	17	
			2350+30					650	17	
			2350+30					650	17	

单电机单伸位货叉

Single motor single deep telescopic fork



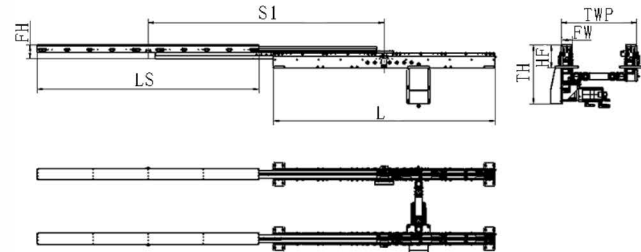
HFTC120×145单电机单伸位货叉具有更小的宽度，宽度仅为120mm，用于插入空间宽度受限的场合。叉体精致小巧，一般双叉使用，亦可单叉或多叉联合使用。

The HFTC120 × 145 single motor single extension fork has a smaller width, only 120mm, and is used in situations where the insertion space width is limited. The fork body is delicate and compact, usually used in double forks, and can also be used in combination with single or multiple forks.

- 空载最大速度：0-45m/min
No-load maximum speed : 0-45m/min
- 满载最大速度：0-30m/min
Full load maximum speed : 0-30m/min
- 空载加速度：1m/s²
No-load acceleration : 1m/s²
- 满载加速度：0.5m/s²
Full load acceleration : 0.5m/s²

单电机单伸位窄叉 (HFTC120x145-H-SM-ZZ)

Single motor single extension narrow fork(HFTC120x145-H-SM-ZZ)



FH叉体厚度(mm) FH fork thickness(mm)	LS上叉长度(mm) LS upper fork length(mm)	L叉体长度(mm) L fork length(mm)	S1最大行程(安全行程mm) S1 maximum stroke(safety stroke)	TH叉体总高度(mm) TH fork total height(mm)	HF安装高度(mm) HF installation height(mm)	TWF叉体宽度(mm) TWF fork width(mm)	FW叉体宽度(mm) FW fork width(mm)	Q负载(kg) Q load(kg)	负载挠度(mm)±10% Load disturbance(mm)±10%	空载挠度(mm)±10% No-load disturbance(mm)±10%
145	1200	1200	1300+30	570	222	≥610	120	2500	5	≤3
		1200	1350+30					2500	6	
		1300	1450+30					2500	8	
	1300	1400+30	2500					6		
	1400	1550+30	2500					10		
	1500	1650+30	2500					12		
	1600	1750+30	2200					14		
	1700	1850+30	2200					11		
	1800	1950+30	2000					13		
	1900	2050+30	2000					15		
	2000	2000	2100+30					2000	16	
			2150+30					2000	18	
			2250+30					2000	22	
			2350+30					1800	22	
	2100	2100	2250+30					1800	18	
	2200	2200	2350+30					1650	17	

单电机双伸位货叉

Single motor Double-deep telescopic fork



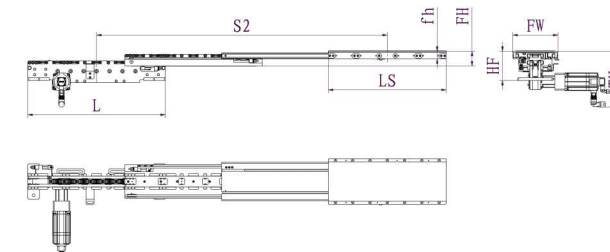
HFTA38×75 单电机双伸位货叉多用于周转箱等轻型货物的自动化仓库存储。叉体精致小巧，一般单叉使用，亦可双叉或多叉联合使用。

HFTA38 × 75 Single motor double-deep telescopic fork is mostly used for automated warehouse storage of light goods such as rotating boxes. The fork body is exquisite and small. Generally, it can be used by a single fork.

- 空载最大速度：0-45m/min
No-load maximum speed : 0-45m/min
- 满载最大速度：0-30m/min
Full load maximum speed : 0-30m/min
- 空载加速度：1m/s²
No-load acceleration : 1m/s²
- 满载加速度：0.5m/s²
Full load acceleration : 0.5m/s²

轻型单电机双伸位 (HFTA38x75-2H-SM-Z)

Light single motor double-deep telescopic fork(HFTA38x75-2H-SM-Z)



fH/FH叉体厚度(mm) fH/FH fork thickness(mm)	LS上叉长度(mm) LS upper fork length(mm)	L叉体长度(mm) L fork length(mm)	S2最大行程(安全行程mm) S2 maximum stroke(safety stroke)	TH叉体总高度(mm) TH fork total height(mm)	HF安装高度(mm) HF installation height(mm)	FW叉体宽度(mm) FW fork width(mm)	Q负载(kg) Q load(kg)	负载挠度(mm)±10% Load disturbance(mm)±10%	空载挠度(mm)±10% No-load disturbance(mm)±10%	
38/75	500	600	1200+30	284	148	228-600	100	7	≤3	
		650	1250+30				100	8		
		700	1250+30				100	9		
	550	650	1350+30				100	10	≤4	
		700	1400+30				100	12		
		750	1500+30				90	15		
	600	700	1450+30				90	15		
		750	1500+30				100	15		
		800	1550+30				80	16		
	650	750	1550+30				100	16		
		800	1625+30				120	15		
		900	1675+30				80	16		
	700	800	1650+30				100	16		
		850	1700+30				120	20		≤6
		900	1750+30				80	18		
	750	850	1750+30				90	21		
		900	1825+30				100	22		
		950	1850+30				85	23		
	800	900	1825+30				90	25		
		950	1925+30				90	26		
		1000	1950+30				80	25		
	850	950	1925+30				75	26		
		1000	2000+30				70	30		
		1100	2400+30				60	40		
1200		2650+30	40	50						
900		1000	2000+30	≤8						
		1100	2400+30							

单电机双伸位货叉

Single motor Double-deep telescopic fork



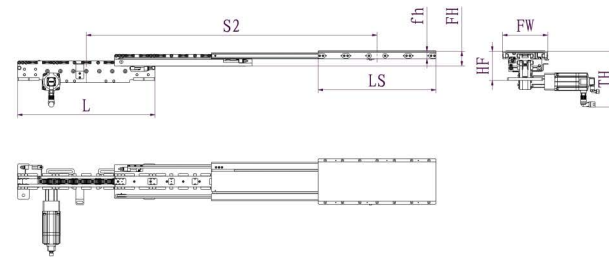
HFTA42×88 单电机双伸位货叉是 HFTA38×75 的加强规格，具有更高的载荷能力和更小的挠度。多用于周转箱等轻型货物的自动化仓库存储。叉体精致小巧，一般单叉使用，亦可双叉或多叉联合使用。

HFTA42 × 88 single motor double deep fork is an enhanced specification of HFTA38 × 75, with higher load capacity and smaller deflection. It is mostly used for automated warehouse storage of light goods such as turnover boxes. The fork body is exquisite and small. Generally, it can be used by a single fork.

- 空载最大速度：0-45m/min
No-load maximum speed : 0-45m/min
- 满载最大速度：0-30m/min
Full load maximum speed : 0-30m/min
- 空载加速度：1m/s²
No-load acceleration : 1m/s²
- 满载加速度：0.5m/s²
Full load acceleration : 0.5m/s²

轻型单电机双伸位 (HFTA42×88-2H-SM-Z)

Light single motor double-deep telescopic fork(HFTA42×88-2H-SM-Z)



fH/FH叉体厚度(mm) fH/FH fork thickness(mm)	LS 上叉长度(mm) LS upper fork length(mm)	L叉体长度(mm) L fork length(mm)	S1最大行程(安全行程mm) S1 maximum stroke(safety stroke)	TH叉体总高度(mm) TH fork total height(mm)	HF安装高度(mm) HF installation height(mm)	FW叉体宽度(mm) FW fork width(mm)	Q负载(kg) Q load(kg)	负载挠度(mm)±10% Load disturbance(mm)±10%	空载挠度(mm)±10% No-load disturbance(mm)±10%
42/88	700	800	1650+30	263	157	228-600	120	11	≤4
		850	1700+30				120	12	
		900	1750+30				120	13	
	750	850	1750+30				120	20	
		900	1825+30				130	21	
		950	1850+30				130	18	
	800	900	1825+30				110	22	
		950	1925+30				120	21	
		1000	1950+30				130	21	
		850	1925+30				120	25	
	900	2000+30	100				26	≤10	
	1000	2000+30	100				35		
	1100	2400+30	90				40		
	1200	2650+30	60				50		

单电机双伸位货叉

Single motor Double-deep telescopic fork



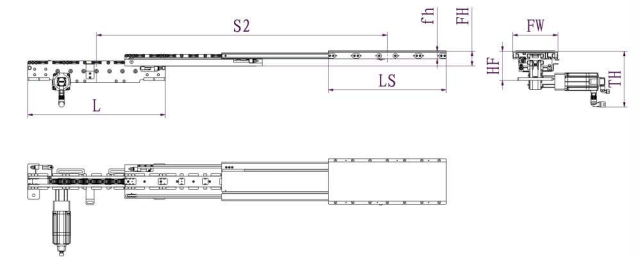
HFTA55×120单电机双伸位货叉主要用于货物重量在150kg-300kg此范围的小型货物，一般单叉使用，亦可双叉或多叉联合使用。

HFTA55 × 120 single motor double extension cargo fork is mainly used for small goods with a weight range of 150kg-300kg. It is generally used as a single fork and can also be used in combination with double forks or multiple forks.

- 空载最大速度：0-45m/min
No-load maximum speed : 0-45m/min
- 满载最大速度：0-30m/min
Full load maximum speed : 0-30m/min
- 空载加速度：1m/s²
No-load acceleration : 1m/s²
- 满载加速度：0.5m/s²
Full load acceleration : 0.5m/s²

微型单电机双伸位 (HFTA55x120-2H-SM-Z)

Micro heavy-duty single motor double extension position (HFTA55x120-2H-SM-Z)



fH/FH叉体厚度(mm) fH/FH fork thickness(mm)	LS 上叉长度(mm) LS upper fork length(mm)	L叉体长度(mm) L fork length(mm)	S2最大行程(安全行程mm) S2 maximum stroke(safety stroke)	TH叉体总高度(mm) TH fork total height(mm)	HF安装高度(mm) HF installation height(mm)	FW叉体宽度(mm) FW fork width(mm)	Q负载(kg) Q load(kg)	负载挠度(mm)±10% Load disturbance(mm)±10%	空载挠度(mm)±10% No-load disturbance(mm)±10%
55/120	600	700	1450+30	260	195	228-600	300	15	≤4
		750	1500+30				300	15	
		800	1550+30				300	18	
	650	750	1550+30				300	16	
		800	1625+30				300	16	
		900	1675+30				280	15	
	700	800	1650+30				300	16	
		850	1700+30				300	16	
		900	1750+30				300	20	
	750	850	1750+30				300	18	
		900	1825+30				270	21	
		950	1850+30				270	20	
		270	23						
	800	900	1825+30				270	25	
		950	1925+30				300	26	
		1000	1950+30				270	25	
	850	1925+30	270				25		
	900	2000+30	300				26	≤8	
	1000	2000+30	280				30		
	1100	2400+30	260				40		
	1200	2650+30	200				50		

单电机双伸位货叉

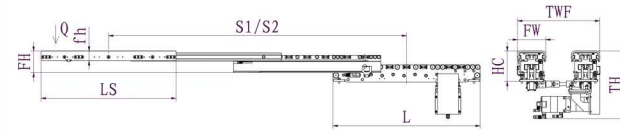
Single motor Double-deep telescopic fork



HFTB200×65×160 系列是一款常用的单电机双伸位货叉，这个系列货叉多用于1000kg, 1000mm-1400mm 尺寸标准托盘的自动化立体仓库存储。

The HFTB200 × 65 × 160 series is a commonly used single motor double extension cargo fork, which is mainly used for automated three-dimensional warehouse storage of standard pallets with sizes of 1000kg, 1000mm-1400mm.

- 空载最大速度：0-40m/min
No-load maximum speed : 0-40m/min
- 满载最大速度：0-30m/min
Full load maximum speed : 0-30m/min
- 空载加速度：1m/s²
No-load acceleration : 1m/s²
- 满载加速度：0.5m/s²
Full load acceleration : 0.5m/s²



托盘类单电机双伸位 (HFTB200×65×160-2H-SM-2Z)

Pallet type single motor double extension position
(HFTB200×65×160-2H-SM-2Z)

FH叉体厚度 FH forkthickness (mm)	LS上叉长度 LS upper fork length (mm)	L伸缩叉长度 L telescopic fork length (mm)	S1/S2单伸/双伸行程 S1/S2 single/double extension stroke (安全行程30mm) (Safe stroke 30mm)	TH叉体总高度 TH fork total height (mm)	HF安装高度 HF installation height (mm)	TWF叉体宽度 TWF fork width (mm)	FW叉体宽度 FW fork width (mm)	Q负载 Q load (kg)	单伸负载挠度 Single extension load disturbance (mm)±10%	单伸空载挠度 Single extension no-load disturbance (mm)±10%	双伸负载挠度 Double extension load disturbance (mm)±10%	双伸空载挠度 Double extension no-load disturbance (mm)±10%
65/160	1000	1200	1150+30/2150+30	750	246	> 670	200	1500	16		44	
	1100	1200	1300+30/2500+30					1200	16		50	
	1150	1250	1350+30/2600+30					1100	16		52	
	1200	1300	1400+30/2700+30					1100	16	≤5	51	≤8
	1250	1350	1450+30/2800+30					1000	17		52	
	1300	1400	1500+30/2900+30					800	17		51	
	1350	1450	1550+30/3000+30					800	17		53	
	1400	1500	1600+30/3100+30					500	16		53	
	1450	1550	1650+30/3200+30					450	17	≤7	53	≤11
	1500	1600	1700+30/3300+30					400	16		53	

单电机双伸位货叉

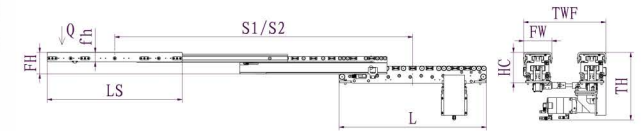
Single motor Double-deep telescopic fork



HFTB230×70×165系列是一款常用的单电机双伸位货叉,比HFTB200×65×160系列负载挠度更小,这个系列货叉多用于1000mm-1400mm尺寸标准托盘的自动化立体仓库存储。

The HFTB230 × 70 × 165 series is a commonly used single motor double extension cargo fork, which has a smaller load deflection than the HFTB200 × 65 × 160 series. This series of cargo forks is mainly used for automated three-dimensional warehouse storage of standard pallets with sizes ranging from 1000mm to 1400mm.

- 空载最大速度：0-40m/min
No-load maximum speed : 0-40m/min
- 满载最大速度：0-30m/min
Full load maximum speed : 0-30m/min
- 空载加速度：1m/s²
No-load acceleration : 1m/s²
- 满载加速度：0.5m/s²
Full load acceleration : 0.5m/s²



托盘类单电机双伸位 (HFTB230×70×165-2H-SM-2Z)

Pallet type single motor double extension position
(HFTB230×70×165-2H-SM-2Z)

FH叉体厚度 FH forkthickness (mm)	LS上叉长度 LS upper fork length (mm)	L伸缩叉长度 L telescopic fork length (mm)	S1/S2单伸/双伸行程 S1/S2 single/double extension stroke (安全行程30mm) (Safe stroke 30mm)	TH叉体总高度 TH fork total height (mm)	HF安装高度 HF installation height (mm)	TWF叉体宽度 TWF fork width (mm)	FW叉体宽度 FW fork width (mm)	Q负载 Q load (kg)	单伸负载挠度 Single extension load disturbance (mm)±10%	单伸空载挠度 Single extension no-load disturbance (mm)±10%	双伸负载挠度 Double extension load disturbance (mm)±10%	双伸空载挠度 Double extension no-load disturbance (mm)±10%
70/165	1000	1200	1250+30/2350+30	750	253	> 670	208	1500	16		40	
	1100	1200	1300+30/2500+30					1400	16		46	
	1150	1250	1350+30/2600+30					1300	16		45	
	1200	1300	1400+30/2700+30					1000	16	≤5	42	≤8
	1250	1350	1450+30/2800+30					1000	17		46	
	1300	1400	1500+30/2900+30					1000	17		51	
	1350	1450	1550+30/3000+30					800	17		46	
	1400	1500	1600+30/3100+30					700	16		54	
	1450	1550	1650+30/3200+30					650	17	≤7	50	≤11
	1500	1600	1700+30/3300+30					600	16		51	

单电机双伸位货叉

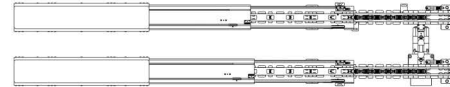
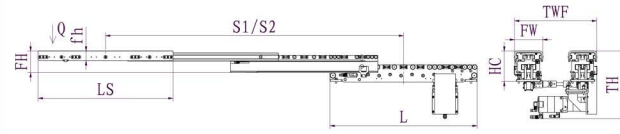
Single motor Double-deep telescopic fork



HFTB230×80×175 系列是 HFTB230×70×165 系列单电机双伸位货叉的加强型, 这个系列货叉多用于 1000mm-1400mm 尺寸标准托盘的自动化立体仓库存储。

HFTB230 × 80 × 175 series is an enhanced type of HFTB230 × 70 × 165 series single motor double deep fork. This series forks are mostly used for automated stereo storage of 1000mm-1400mm size standard tray.

- 空载最大速度: 0-40m/min
No-load maximum speed : 0-40m/min
- 满载最大速度: 0-30m/min
Full load maximum speed : 0-30m/min
- 空载加速度: 1m/s²
No-load acceleration : 1m/s²
- 满载加速度: 0.5m/s²
Full load acceleration : 0.5m/s²



托盘类单电机双伸位 (HFTB230×80×175-2H-SM-2Z)

Pallet type single motor double extension position
(HFTB230×80×175-2H-SM-2Z)

FH叉体厚度 FH forkthickness (mm)	LS上叉长度 LS upper fork length (mm)	L伸缩叉长度 L telescopic fork length (mm)	S1/S2单伸/双伸行程 S1/S2 single/double extension stroke (安全行程30mm) (Safe stroke 30mm)	TH叉体总高度 TH fork total height (mm)	HF安装高度 HF installation height (mm)	TWF叉体宽度 TWF fork width (mm)	FW叉体宽度 FW fork width (mm)	Q负载 Q load (kg)	单伸负载挠度 Single extension load disturbance (mm)±10%	单伸空载挠度 Single extension no-load disturbance (mm)±10%	双伸负载挠度 Double extension load disturbance (mm)±10%	双伸空载挠度 Double extension no-load disturbance (mm)±10%
80/175	1000	1200	1250+30/2350+30	760	247	> 670	230	1500	16		34	
	1100	1200	1300+30/2500+30					1500	16		36	
	1150	1250	1350+30/2600+30					1500	16		46	
	1200	1300	1400+30/2700+30					1500	16	≤5	47	≤8
	1250	1350	1450+30/2800+30					1500	17		48	
	1300	1400	1500+30/2900+30					1200	17		49	
	1350	1450	1550+30/3000+30					1200	17		50	
	1400	1500	1600+30/3100+30					1000	16		51	
	1450	1550	1650+30/3200+30					1000	17	≤7	52	≤11
	1500	1600	1700+30/3300+30					800	16		55	

双电机双伸位货叉

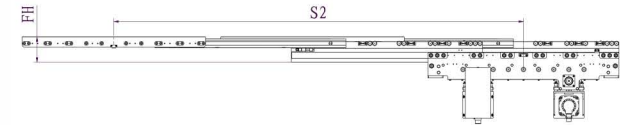
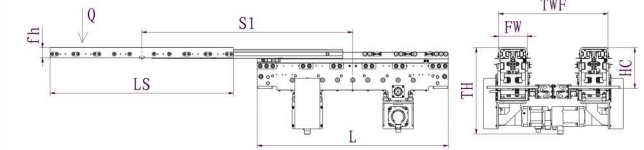
Dual motor double deep telescopic fork



HFTB182×60×154 系列双电机双伸位货叉, 伸叉厚度 60/154mm, 这个系列货叉多用于负载重量在 500kg-700kg 货物尺寸 1000mm-1400mm 标准托盘的自动化立体仓库存储。一般双叉使用, 也可多叉联动用于大型板材的搬运。

HFTB182 × 60 × 154 series double motor double extension fork, with a fork thickness of 60/154mm, is mainly used for automated three-dimensional warehouse storage of goods with a load weight of 500kg-700kg and a standard pallet size of 1000mm-1400mm. Generally used with double forks, it can also be linked with multiple forks for the handling of large sheets.

- 空载最大速度: 0-40m/min
No-load maximum speed : 0-40m/min
- 满载最大速度: 0-30m/min
Full load maximum speed : 0-30m/min
- 空载加速度: 1m/s²
No-load acceleration : 1m/s²
- 满载加速度: 0.5m/s²
Full load acceleration : 0.5m/s²



托盘类双电机双伸位 (HFTB182×60×154-2H-DM-2Z)

Pallet type double motor double extension position
(HFTB182×60×154-2H-DM-2Z)

FH叉体厚度 FH forkthickness (mm)	LS上叉长度 LS upper fork length (mm)	L伸缩叉长度 L telescopic fork length (mm)	S1/S2单伸/双伸行程 S1/S2 single/double extension stroke (安全行程30mm) (Safe stroke 30mm)	TH叉体总高度 TH fork total height (mm)	HF安装高度 HF installation height (mm)	TWF叉体宽度 TWF fork width (mm)	FW叉体宽度 FW fork width (mm)	Q负载 Q load (kg)	单伸负载挠度 Single extension load disturbance (mm)±10%	单伸空载挠度 Single extension no-load disturbance (mm)±10%	双伸负载挠度 Double extension load disturbance (mm)±10%	双伸空载挠度 Double extension no-load disturbance (mm)±10%
60/154	1100	1250	1350+30/2600+30	600	281	> 652	182	700	16		42	
	1200	1300	1400+30/2700+30					700	16		43	
	1250	1350	1450+30/2800+30					700	17	≤4	45	≤6
	1300	1400	1500+30/2900+30					700	17		47	
	1350	1450	1550+30/3000+30					650	17		46	
	1400	1500	1600+30/3100+30					600	16		48	
	1450	1550	1650+30/3200+30					520	17		52	
	1500	1600	1700+30/3300+30					450	16	≤5	52	≤8
	1600	1700	1800+30/3500+30					360	16		52	

双电机双伸位货叉

Dual motor double deep telescopic fork



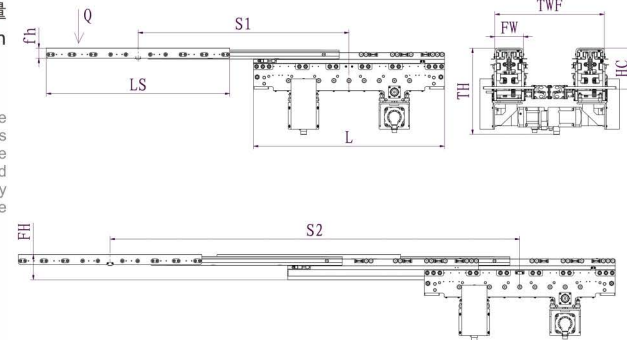
HFTB186×70×165 系列双电机双伸位货叉, 伸叉厚度 70/165mm, 这个系列货叉多用于负载重量在 1000kg-1200kg 货物尺寸 1000mm-1400mm 标准托盘的自动化立体仓库存储。一般双叉使用, 也可多叉联动用于大型板材的搬运。

HFTB186 × 70 × 165 series double motor double extension fork, with a fork thickness of 70/165mm, is mainly used for automated three-dimensional warehouse storage of goods with a load weight of 1000kg-1200kg and a standard pallet size of 1000mm-1400mm. Generally used with double forks, it can also be linked with multiple forks for the handling of large sheets.

- 空载最大速度: 0-45m/min
No-load maximum speed : 0-45m/min
- 满载最大速度: 0-30m/min
Full load maximum speed : 0-30m/min
- 空载加速度: 1m/s²
No-load acceleration : 1m/s²
- 满载加速度: 0.5m/s²
Full load acceleration : 0.5m/s²

托盘类双电机双伸位 (HFTB186×70×165-2H-DM-2Z)

Pallet type double motor double extension position
(HFTB186×70×165-2H-DM-2Z)



FH叉体厚度 FH forkthickness (mm)	LS上叉长度 LS upper fork length (mm)	L伸缩叉长度 L telescopic fork length (mm)	S1/S2 单伸/双伸 行程 S1/S2 single/double extension stroke (安全行程30mm) (Safe stroke 30mm)	TH叉体总高度 TH fork total height (mm)	HF安装高度 HF installation height (mm)	TWF叉体宽度 TWF fork width (mm)	FW叉体宽度 FW fork width (mm)	Q负载 Q load (kg)	单伸负载挠度 Single extension load disturbance (mm)±10%	单伸空载挠度 Single extension no-load disturbance (mm)±10%	双伸负载挠度 Double extension load disturbance (mm)±10%	双伸空载挠度 Double extension no-load disturbance (mm)±10%
70/165	1100	1250	1350+30/2600+30	566	291	> 716	186	1200	16		46	
	1200	1300	1400+30/2700+30					1200	16		47	
	1250	1350	1450+30/2800+30					1200	17	≤4	48	≤6
	1300	1400	1500+30/2900+30					1200	17		49	
	1350	1450	1550+30/3000+30					1000	17		52	
	1400	1500	1600+30/3100+30					900	16		54	
	1450	1550	1650+30/3200+30					800	17		54	
	1500	1600	1700+30/3300+30					700	16	≤5	55	≤8
	1600	1700	1800+30/3500+30					500	16		55	

双电机双伸位货叉

Dual motor double deep telescopic fork



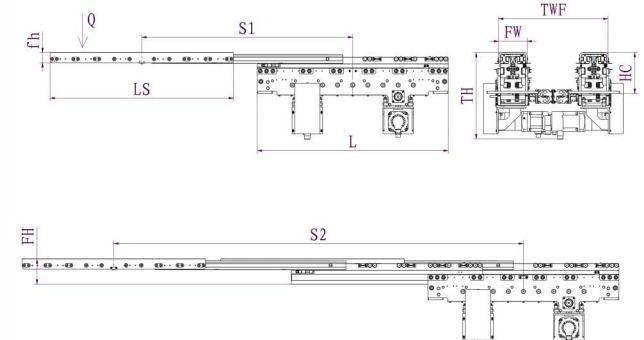
HFTB186×80×180系列双电机双伸位货叉,伸叉厚度80/180mm, 这个系列货叉多用于负载重量在1300kg-1500kg托盘的自动化立体仓库存储。

HFTB186 × 80 × 180 series double motor double extension fork, with a fork thickness of 80/180mm, is mainly used for automated three-dimensional warehouse storage with a load weight of 1300kg-1500kg pallets.

- 空载最大速度: 0-45m/min
No-load maximum speed : 0-45m/min
- 满载最大速度: 0-30m/min
Full load maximum speed : 0-30m/min
- 空载加速度: 1m/s²
No-load acceleration : 1m/s²
- 满载加速度: 0.5m/s²
Full load acceleration : 0.5m/s²

托盘类双电机双伸位 (HFTB186×80×180-2H-DM-2Z)

Pallet type double motor double extension position
(HFTB186×80×180-2H-DM-2Z)



FH叉体厚度 FH forkthickness (mm)	LS上叉长度 LS upper fork length (mm)	L伸缩叉长度 L telescopic fork length (mm)	S1/S2 单伸/双伸 行程 S1/S2 single/double extension stroke (安全行程30mm) (Safe stroke 30mm)	TH叉体总高度 TH fork total height (mm)	HF安装高度 HF installation height (mm)	TWF叉体宽度 TWF fork width (mm)	FW叉体宽度 FW fork width (mm)	Q负载 Q load (kg)	单伸负载挠度 Single extension load disturbance (mm)±10%	单伸空载挠度 Single extension no-load disturbance (mm)±10%	双伸负载挠度 Double extension load disturbance (mm)±10%	双伸空载挠度 Double extension no-load disturbance (mm)±10%
80/180	1100	1250	1350+30/2600+30	580	303	> 716	186	1500	16		40	
	1200	1300	1400+30/2700+30					1500	16		42	
	1250	1350	1450+30/2800+30					1500	17	≤4	45	≤6
	1300	1400	1500+30/2900+30					1500	17		47	
	1350	1450	1550+30/3000+30					1400	17		48	
	1400	1500	1600+30/3100+30					1150	16		52	
	1450	1550	1650+30/3200+30					1000	17		50	
	1500	1600	1700+30/3300+30					900	16	≤5	55	≤8
	1600	1700	1800+30/3500+30					650	16		55	

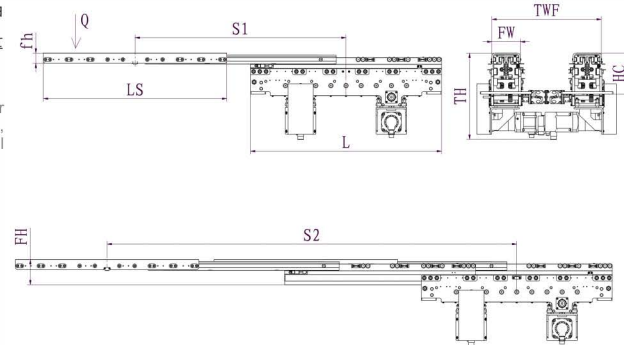
双电机双伸位货叉

Dual motor double deep telescopic fork



HFTC215×90×205系列重载双电机双伸位货叉, 叉厚90/205mm, 这个系列货叉多用于负载重量在2000kg托盘的自动化立体仓库存储。

HFTC215 × 90 × 205 series heavy-duty double motor double extension fork, with a fork thickness of 90/205mm, is mainly used for automated three-dimensional warehouse storage with a load weight of 2000kg pallets.



- 空载最大速度: 0-35m/min
No-load maximum speed : 0-35m/min
- 满载最大速度: 0-30m/min
Full load maximum speed : 0-30m/min
- 空载加速度: 0.5m/s²
No-load acceleration : 0.5m/s²
- 满载加速度: 0.5m/s²
Full load acceleration : 0.5m/s²

托盘类双电机双伸位 (HFTC215×90×205-2H-DM-2Z)
Pallet type double motor double extension position
(HFTC215×90×205-2H-DM-2Z)

FH叉体厚度 FH fork thickness (mm)	LS上叉长度 LS upper fork length (mm)	L伸缩叉长度 L telescopic fork length (mm)	S1/S2单伸/双伸行程 S1/S2 single/double extension stroke (安全行程30mm) (Safe stroke 30mm)	TH叉体总高度 TH fork total height (mm)	HF安装高度 HF installation height (mm)	TWF叉体宽度 TWF fork width (mm)	FW叉体宽度 FW fork width (mm)	Q负载 Q load (kg)	单伸负载挠度 Single extension load disturbance (mm)±10%	单伸空载挠度 Single extension no-load disturbance (mm)±10%	双伸负载挠度 Double extension load disturbance (mm)±10%	双伸空载挠度 Double extension no-load disturbance (mm)±10%
90/205	1100	1250	1350+30/2600+30	600	316	> 716	215	2000	16	≤4	41	≤6
	1200	1300	1400+30/2700+30					2000	16		42	
	1250	1350	1450+30/2800+30					2000	17		45	
	1300	1400	1500+30/2900+30					2000	17		47	
	1350	1450	1550+30/3000+30					1800	17		48	
	1400	1500	1600+30/3100+30					1550	16		50	
	1450	1550	1650+30/3200+30					1350	17		51	
	1500	1600	1700+30/3300+30					1200	16		51	
1600	1700	1800+30/3500+30	900	16	53	≤5	≤8					

夹抱式货叉

Clamp type fork

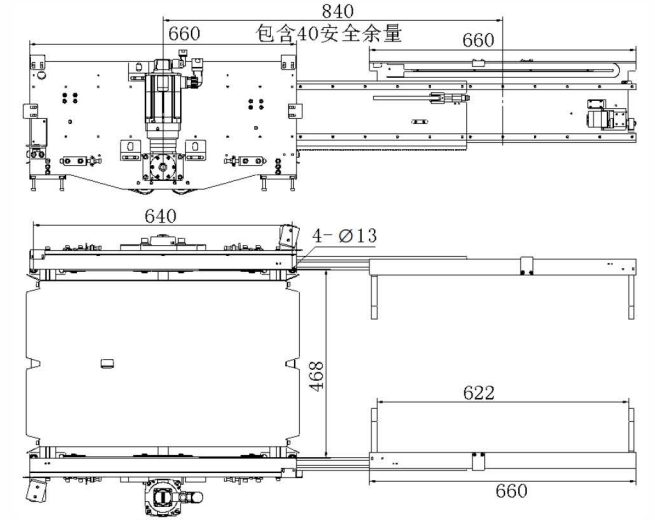
此货叉还能实现双伸位存储, 大大提高存储密度, 能满足宽度400mm, 长度在300-600mm范围料箱、纸箱存储。具有稳定、高效、轻盈、强度高特点。

This fork can achieve dual extension storage, greatly improving storage density, and can meet the storage needs of material boxes and cardboard boxes with a width of 400mm and a length range of 300-600mm. It has the characteristics of stability, efficiency, lightness, and high strength.

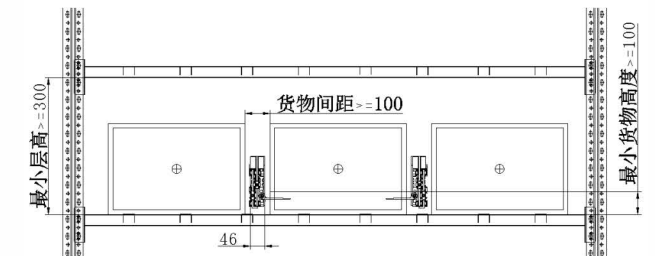
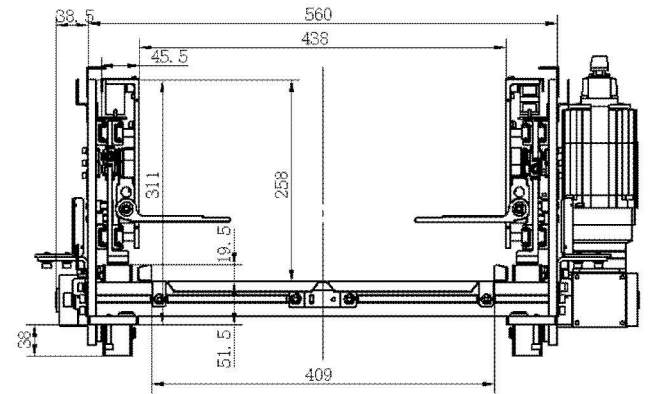


箱式类单货位单伸位夹抱式货叉
Box type single storage space single extension clamping fork
(HFXA50×260-660×660×800)

- 空载最大速度: 0-80m/min
No-load maximum speed : 0-80m/min
- 满载最大速度: 0-60m/min
Full load maximum speed : 0-60m/min
- 空载加速度: 2m/s²
No-load acceleration : 2m/s²
- 满载加速度: 1m/s²
Full load acceleration : 1m/s²



叉体长度(mm) Fork length(mm)	660
上叉长度(mm) Upper fork length(mm)	660
夹抱间距(mm) Clamping spacing(mm)	438
单伸行程(包含安全余量)(mm) Single extension stroke (including safety margin)(mm)	840
安全余量(mm) Safety margin(mm)	40
单伸一圈行程(mm) Single extension one circle stroke(mm)	电机每转一圈上叉行走距离(mm): 20.028 Traveling distance of the upper fork per revolution of the motor (mm): 20.028 齿轮轴(32齿)每转一圈上叉行走距离(mm): 320.44 Gear shaft (32 teeth), walking distance of upper fork per revolution (mm): 320.44
叉体自重(kg) Fork weight(kg)	50
空载单伸挠度(mm) Empty single extension deflection(mm)	3±10%
满载单伸挠度(mm) Full load single extension deflection(mm)	3±10%
最大净载重(kg) Maximum net load capacity(kg)	50
单伸电机 Single extension motor	1FL6042-1AF61-2LB1(0.4KW输送转速3000m/min) 1FL6042-1AF61-2LB1(0.4KW Conveying speed 3000m/min)
减速机减速比 Reduction ratio of gearbox	i=1:16



夹抱式货叉

Clamp type fork

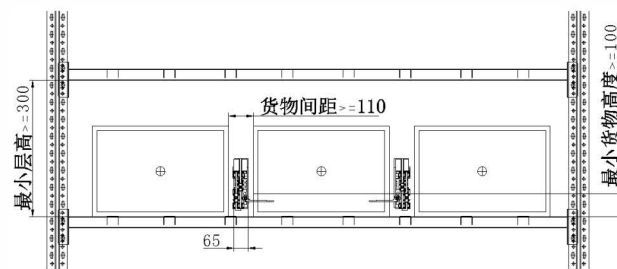
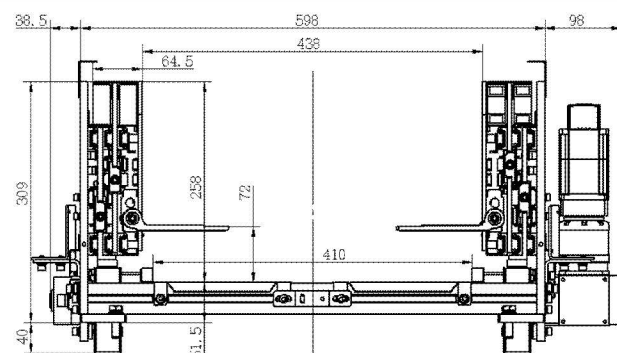
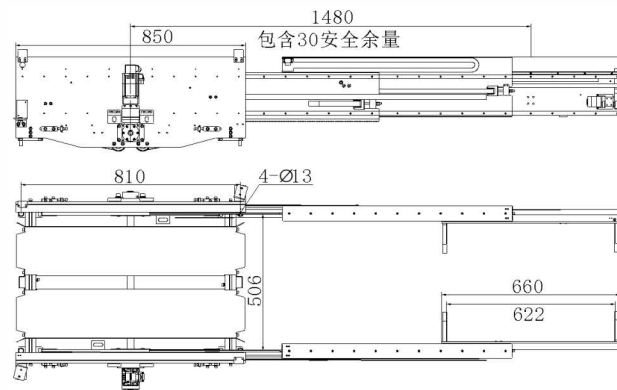


箱式类单货位双伸位夹抱式货叉
Box type single storage space single extension clamping fork
(HFXA65×260-850×660×1450)

此货叉能实现双伸位存储，大大提高存储密度，能满足宽度400mm，长度在300-600mm范围料箱、纸箱存储。具有稳定、高效、轻盈、强度高等特点。

This fork can achieve dual extension storage, greatly improving storage density, and can meet the storage needs of material boxes and cardboard boxes with a width of 400mm and a length range of 300-600mm. It has the characteristics of stability, efficiency, lightness, and high strength.

- 空载最大速度：0-80m/min
No-load maximum speed：0-80m/min
- 满载最大速度：0-60m/min
Full load maximum speed：0-60m/min
- 空载加速度：2m/s²
No-load acceleration：2m/s²
- 满载加速度：1m/s²
Full load acceleration：1m/s²



叉体长度(mm) Fork length(mm)	850
上叉长度(mm) Upper fork length(mm)	660
夹抱间距(mm) Clamping spacing(mm)	438
单伸行程(包含安全余量)(mm) Single extension stroke (including safety margin)(mm)	1480
安全余量(mm) Safety margin(mm)	30
单伸一圈行程(mm) Single extension one circle stroke(mm)	电机每转一圈上叉行走距离(mm)：19.23 Traveling distance of the upper fork per revolution of the motor (mm)：19.23 齿轮轴(32齿)每转一圈上叉行走距离(mm)：480.66 Gear shaft (32 teeth), walking distance of upper fork per revolution (mm)：480.66
叉体自重(kg) Fork weight(kg)	73
空载单伸挠度(mm) Empty single extension deflection(mm)	5±10%
满载单伸挠度(mm) Full load single extension deflection(mm)	5±10%
最大净载重(kg) Maximum net load capacity(kg)	30
单伸电机 Single extension motor	1FL6034-2AF21-1LB1(0.4KW输送转速3000m/min) 1FL6034-2AF21-1LB1(0.4KW Conveying speed 3000m/min)
减速机减速比 Reduction ratio of gearbox	i=1:25

特殊伸缩叉

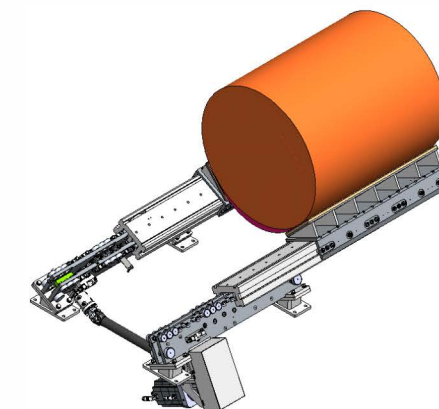
Special telescopic fork

货叉采用V型结构，保证货叉取料板承受正压力，从而实现取料平稳可靠。用于较大直径(≥500)卷状货物的搬运，多用于造纸行业和金属薄壁卷筒行业等，载荷能力可达5000kg。

The fork adopts a V-shaped structure to ensure that the fork's material collection plate bears positive pressure, thereby achieving stable and reliable material collection. Used for handling large diameter (≥ 500) roll shaped goods, mostly used in the paper industry and metal thin-walled drum industry, with a load capacity of up to 5000kg.

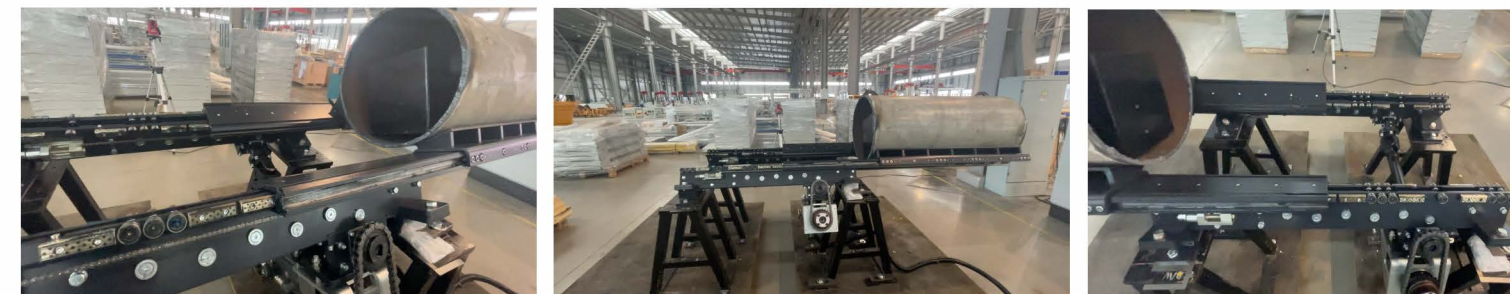
可用型号 / Available models

HFTB170×65; HFTB180×70; HFTB180×80;
HFTB180×80; HFTB180×85; HFTB180×90;
HFTC230×100; HFTC250×120; HFTC250×130;
HFTC280×145; HFTC300×160;



单电机单伸位V型叉
Single motor single extension V-shaped fork

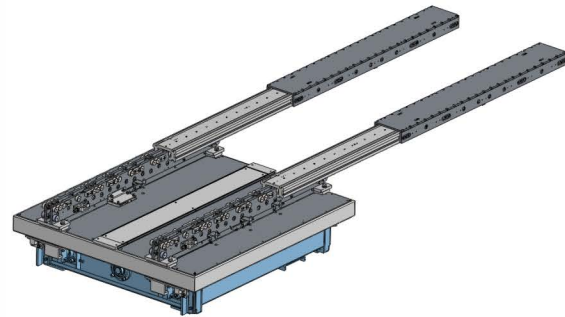
研发现场 / R&D site



带升降功能的伸缩叉 / Telescopic fork with lifting function

在货叉下方增加了升降机构，使货叉具有了提升功能，货叉/升降机的伸缩和提升动作，完成货物的取放。多用于没有堆垛机等升降机构的特殊场合。这类伸缩叉的升降行程范围为50mm-500mm，负载重量最大为2000kg。

A lifting mechanism has been added below the fork to provide lifting function. The extension and lifting actions of the fork/elevator complete the retrieval and placement of goods. Commonly used in special occasions without lifting mechanisms such as stackers. The lifting stroke range of this type of telescopic fork is 50mm-500mm, and the maximum load weight is 2000kg.



带升降功能的伸缩叉
Telescopic fork with lifting function

研发现场 / R&D site



01 优质钢材

High quality steel

采用大厂国际Q355优质锻造钢制造，产品寿命更长，质量更优。
Made of Q235 high-quality steel from an international manufacturer, the product has a longer life and better quality.



02 CNC加工中心

CNC machining center

具有自动化、高精度、高效率及高可靠性等特点，加工工序集中，避免了长工艺流程、减少人为干扰，使加工质量更加稳定。
It has the characteristics of automation, high precision, high efficiency and high reliability. The processing procedures are centralized, which avoids long process flow, reduces human interference, and makes the processing quality more stable.



03 数控折弯机

CNC bending machine

采用钢板焊接结构，具有足够的强度和刚度。通过使用不同形状的上下模具，可以弯曲成各种形状的工件，金属板可以通过滑块的一次行程弯曲成型，有效提高了生产效率和钣金弯曲精度。
It adopts steel plate welding structure with sufficient strength and rigidity. By using upper and lower dies with different shapes, workpieces with various shapes can be bent, and the metal plate can be bent and formed by one stroke of the slider, which effectively improves the production efficiency and the bending accuracy of the metal plate.



04 光纤激光切割系统

Fiber laser cutting system

所有加工钢材采用国际先进的高性能光纤激光切割机，非常精细切割，高精度高效率，为所有生产制造部件夯实基础。
Adopting the international advanced high-performance fiber laser cutting machine, all processed steel materials are subjected to ultra-fine cutting with high precision and high efficiency, which lays a solid foundation for all manufacturing parts.



05 货叉颜色

Color of forks

华恒拥有全自动智能喷涂产线，所有零部件经过表面处理转入自动抛丸、喷涂、高温烘烤等工艺，叉体表面漆面光泽度高，漆体附着力强。
Huaheng has a fully automatic intelligent spraying production line, and all components undergo surface treatment before being transferred to automatic shot blasting, spraying, high-temperature baking and other processes. The surface paint of the fork body has high glossiness and strong adhesion.



06 装配前零件的检测

Inspection of parts before assembly

货叉传动部件采用精密齿轮齿条，传动轴在偏摆仪上打表检测同轴度跳动，底座，横梁、齿轮齿条均需经过三次元进行精度检测，确保精度的可靠性，采用专用工装进行安装，确保装配精度的稳定性，以及后续运行的平稳性。
The transmission parts of the fork adopt precision honing rack and pinion, and the transmission shaft is tested for concentricity runout with a meter on the deflection instrument. The base, cross beam and rack all need to undergo three-dimensional precision testing to ensure the reliability of precision, and special equipment is used for installation to ensure the stability of assembly precision and the stability of subsequent operation.



07 出厂前经检验台的测试

Tested by the inspection bench before leaving the factory

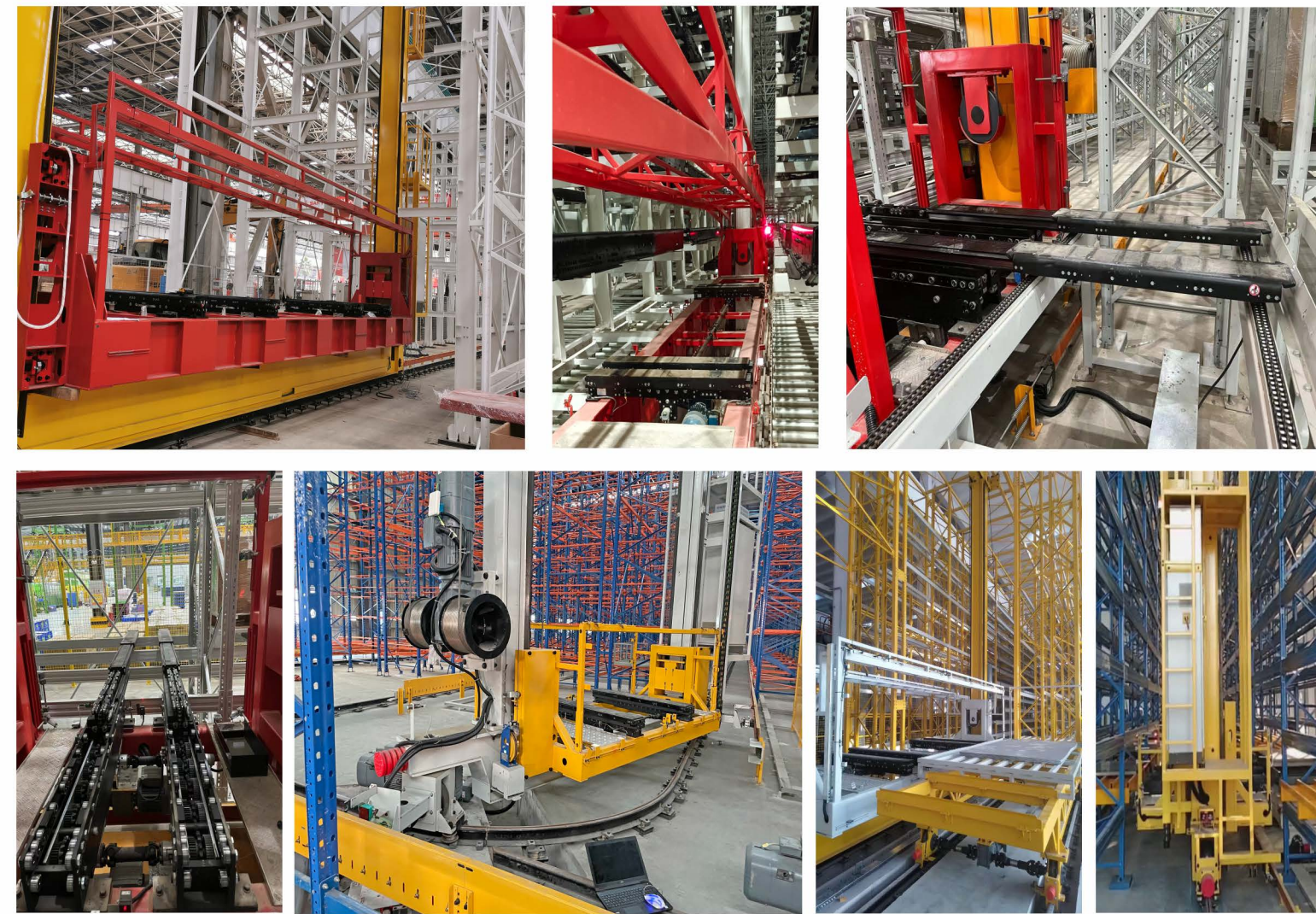
专业测试平台，通过对货叉的空载、满载、超负荷20%三个工况进行连续测试，对主要的运行参数进行测量，确保货叉出厂前，满足设计载荷要求。满载连续运行时间不少于24小时。
The professional test platform continuously tests the forks under three working conditions: no load, full load, and 20% overload, and measures the main operating parameters to ensure that the forks meet the design load requirements before leaving the factory. The continuous operation time at full load is not less than 24 hours.

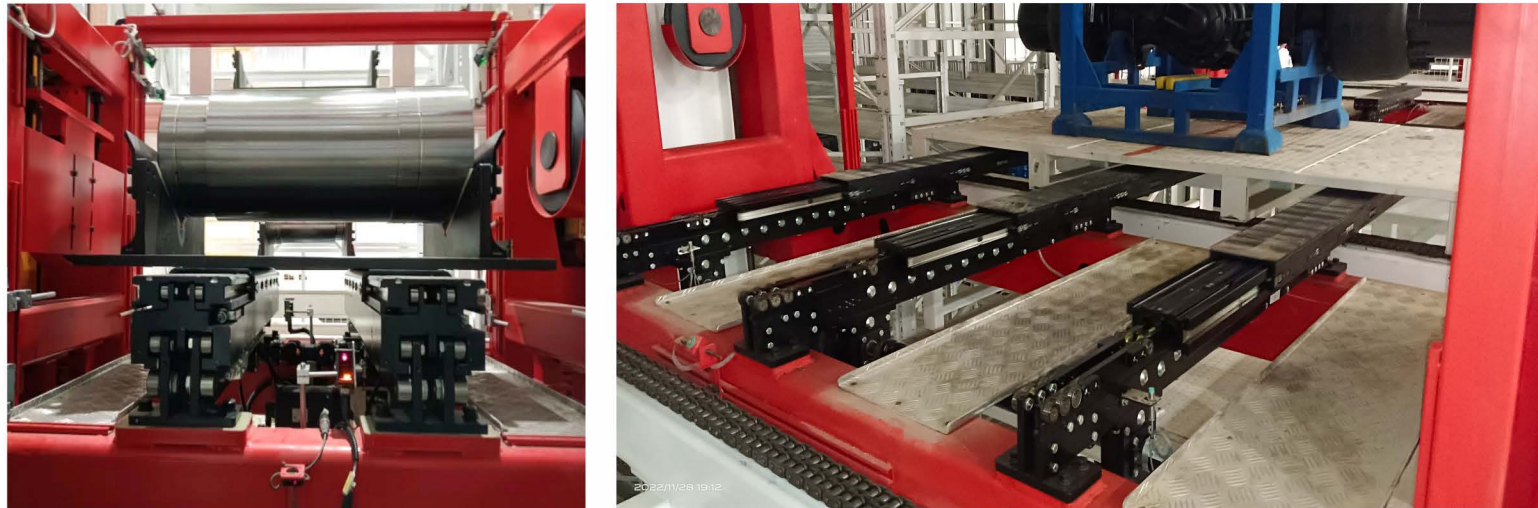


08 可视化管理

Visual management

利用数字化手段对伸缩货叉进行动态仿真、监测、分析和控制。全面了解货叉的实时状态和有效检测数据等，为进一步提升产品质量和效率做出更加科学的决策分析。
Digital means are used for dynamic simulation, monitoring, analysis and control of the telescopic forks. Fully understand the real-time state and effective detection data of the forks, make more scientific decision analysis, and further improve product quality and efficiency.





请将以下必要数据提供给我们，我们将会为您提供合适的技术解决方案。
Please provide us with the following necessary data and we will provide you with appropriate technical solutions.

需求项目 / Requirements	单位 / Unit	参数说明 / Parameter Description
叉长 (货物的尺寸) Fork length (dimensions of cargo)	mm	
行程 Stroke	mm	
叉间距 Spacing between forks	mm	
载重 Loading capacity	kg	
电气配置是否有要求 Are there any requirements for electrical configuration		
工况 Working condition		

