

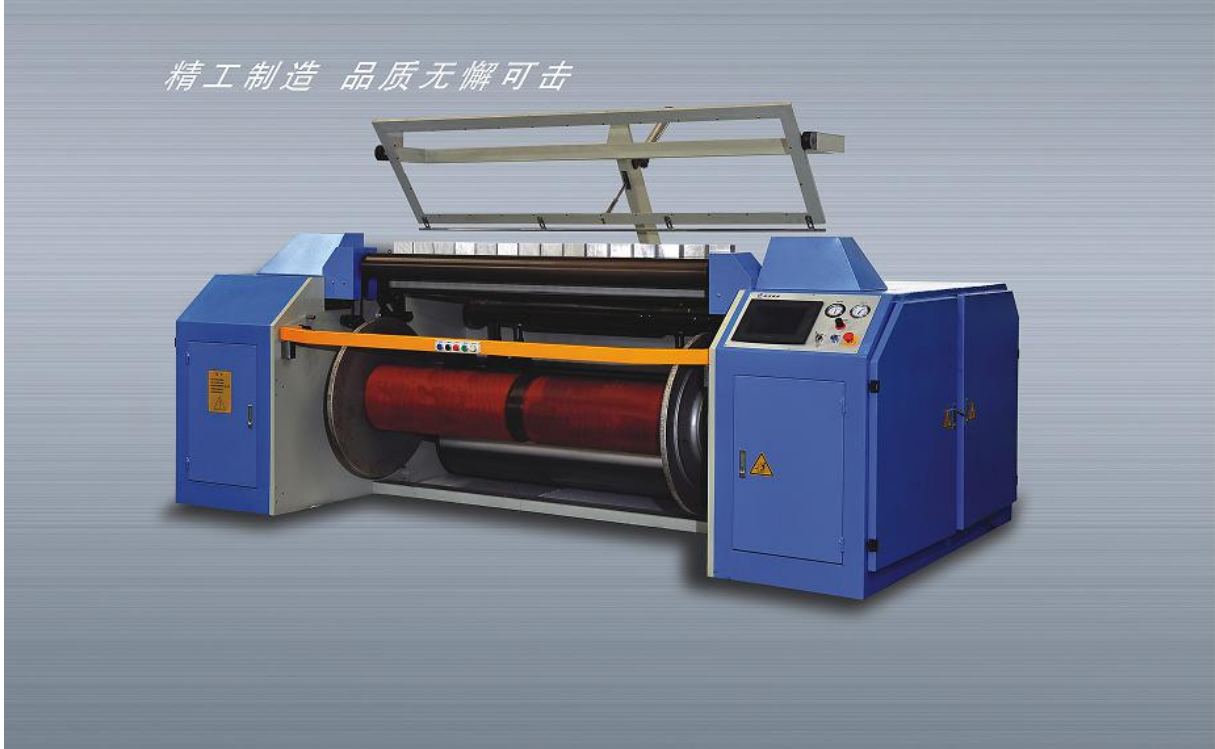


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Technical files

HFGA128 Intelligent Direct Warping Machine

精工制造 品质无懈可击



电器控制系统
Electric Control System



主控操作面板
Main Operation Touch Screen



制动结构
Brake Mechanism



伸缩筘
Expansion Reed



COMMERCE CLAUSE

一、 Price

- 1、 Product name: HFGA128 Intelligent direct warping machine
- 2、 Spec.:
 - Head stock —— Width: 1800mm
Beam diameter: 1000mm
 - Creel —— Turnover H Creel
Spindle quantity: 720 spindles
Spindle pitch: 300×300mm 8 layers
Tensioner: 2-pillar tensioner
Stop motion device: Infrared
Blowing form: Ceiling fan
- 3、 Quantity: 1set

TECHNICAL FILES

一、 Main technical parameters of HFGA128

- 1、 Width:1800mm
- 2、 Beam diameter: 1000mm
- 3、 Braking distance: $\leq 2\text{m}$ (600m/min)
- 4、 Reed traversing speed: 0-2/mm/2r
- 5、 Reed traversing travel: 0-20mm
- 6、 Warping speed: 10-800m/min
- 7、 Winding density: 0.3-0.65g/cm²
- 8、 Single yarn tension: 10-60cN
- 9、 Tension fluctuation: $\pm 3\text{cN}$
- 10、 Operation display: 10.1" touch screen
- 11、 Creel: H turnover creel
- 12、 Spindle pitch: 300×300mm
- 13、 Frequency inverter: 15Kw (ϕ 1000)
- 14、 Weight of head stock:3800Kg (ϕ 1000)
- 15、 Weight of creel: 2800Kg



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二、 Main characteristics of HFGA128

- 1、Warping winding applies warping beam driven directly -- Guarantee winding constant tension.
- 2、Fully computerized controlled by Mitsubishi PLC and frequency speed control ensure constant linear speed.
- 3、10.1 inch digital touch screen--easy operation,direct and informative,displaying errors and diagnosis comprehensively.
- 4、Pneumatic controlled press roll ensures the required winding density. Pressure adjustable. Pressing roll bounce quickly upon braking to avoid friction between roll and yarn.
- 5、Complete integrated pneumatic system for automatically loading and doffing, versatile applications for all types of beams.
- 6、Car-used disc brake system specified for braking of warp beam, pressing roller and guide bar to ensure reliable brake in short time. Brake steady and extreme short brake distance.
- 7、Damping press roll device 0-300kg can adjust pressure, rebound rapidly when braking.
- 8、Varieties KOYO precise sensors available for measuring warping speed, length, winding thickness and air pressure.
- 9、Head stock braking applies original SANTANA car brake system.
- 10、The main controller, main frequency machine, operating switch and pneumatic original parts adopts Japanese original parts.
- 11、Expansion reed move left and right, up and down automatically. The ratio of its traversing speed to the warping speed can be initialized according to different processing demands. It's vertical motion avoids friction of reed. Reed gap density can be adjusted by motor, powerful intermittent blower keeps reed clean.
- 12、Pneumatic controlled windshield automatically lifting with the operation of head stock.
- 13、Safe guard rail and infrared raster guarantee safety of operation.
- 14、Several types of creels and tensioners available for option.
- 15、Several types of tensioners available for option. Electronic broken end stop motion device.

三、 Main components configuration for HFGA128

NO.	NAME	TYPE Spec.	QTY	BRAND / ORIGIN	NOTE
1	PLC	FX3U series	1set	MITSUBISHI	
2	Touch screen	GP2501-LG41-DC24V	1	PROFACE	
3	Inverter	VFD series 11KW	1	DELTA	Φ 800
		VFD series 15KW	1	DELTA	Φ 1000



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4	Encoder	100P/R	2	KOYO	
5	Switching power supply	S-145-24	1	Meanmwell	
6	Breaker	DZ47	10	CHINT	
7	Contactora	LC1-D32 220V	1	SCHNEIDER	
8	Relay	HH53P DC24V	8	LEGONG	
9	Relay	JQX-13F DC24V	1	LEGONG	
10	Proximity switch	J12-4DNK	1	GUANGSU	
11	Travel switch	TZ7311	1	TIANDE	
12	Button	ZB2	9	SCHNEIDER	
13	Braking pump		1set	SANTANA	
14	Braking	BG62	3	TIANJIN	
15	Pneumatic system		1 set	TAIWAN	
16	Pressure regulating valve	UR-04	1	TAIWAN	
17	Cylinder	QGB125X80MF1	2	WUXI	loading and doffing
		QGB100X350MP4	2	WUXI	Pressing yarn
		QGA63X40MP4	2	WUXI	Spindle lock
		QGD80X50MF1	1	WUXI	Brake
		QGB40X300MF1	1	WUXI	Windshield
18	Main motor	Y160M-6-11KW	1	WANNAN	Main drive (800)
		Y160M-6-15KW	1	WANNAN	Main drive (1000)
19	Electromagnetic brake	EFB-050 (II type)	1set	YAN-TAIWAN	Guide bar brake
		EFB-100 (II type)	1set	YAN-TAIWAN	Press roller brake (800)
		EFB-200 (II type)	1set	YAN-TAIWAN	Press roller brake (1000)
20	Belt motor reducer II type	DWPA50 1:25 180W	1	ZHEJIANG	Pressing roller move left and right
21	Single phase reduction speed regulating motor	YTC-120-4/100-36	1	ZHEJIANG	Reed swing
22	V type belt	SPB L=2840	4	ZHEJIANG	Main drive
23	Flange linear bearing	LMH25UU	1	ZHEJIANG	
24	Bearing	6020-2Z , 6226-2Z 6208-2Z , 2308TN1etc.	1 set	NSK	Spindle, guide bar, yarn-pressing roller



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四、 Spare parts list for HFGA128

NO.	NAME	TYPE	QTY.	NOTE
1	Pliers type brake		4	2 for each side
2	Braking oil		1 bottle	
3	Infrared circuit board		2	
4	Infrared transmitting tube		2	
5	Infrared receiving tube		2	
6	2 position 5 way electromagnetic valve	200	1	
7	2 position 5 way electromagnetic valve	300	1	
8	3 position 5 way electromagnetic valve	300	1	
9	Button		2	
10	Tensioner		10	5 for each side
11	Proximity switch		2	
12	Intermediate relay		1	
13	Various of guide aluminum pieces		20	
14	Fitter's tools		1	one set always
15	Air pipe joint	Φ10、8、 12mm	3	
16	Air pipe	Φ10mm	2 m	
17	Air pipe	φ 8mm	20 m	
18	Air pipe	φ 12mm	20 m	
19	Spindle blade		2	
20	Pipe clamp		2	
21	Upper door stand		1	
22	Lower door stand		1	