



GREWIN INDUSTRIAL GROUP CO.,LTD.

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**NAME: Horizontal Semi Automatic Core Winding
Machine GW700-200M**



Photo of Machine Appearance



Product Image

GREWIN INDUSTRIAL GROUP CO.,LTD.

Add: The fourth floor A-A3 zone aviation business area,Dongli Distr,Tianjin,China.



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Machine Main Features

- a. Material Guider: Material is vertically positioned with horizontal winding.
- b. Tension Device: Pneumatic cylinder presses nylon blocks to generate tension; adjustable via pressure regulator.
- c. External Encoder: -
- d. Burr Trimming Unit: -
- e. Cutter: Tungsten carbide cutting blades, blade driver by pneumatic cylinder
- f. Cutter Movement: -
- g. Clamping Robotic Arm: -
- h. Winding Spindle: Servo motor with position control and spinning function.
- i. Spindle Push Plate: -
- j. Unloading Robotic Arm: -
- k. Pressure Arm: Pneumatic cylinder-driven roller arm for core winding, pressure adjustable via regulator.
- l. Lower Pressure Arm: -
- m. Decoiler: Single-Head Decoiler with manual expansion. Driven by three-phase asynchronous motor with inverter speed control.
- n. Welding Machine: -
- o. Control System: Panasonic FP Control System with C-language programming.
- p. Servo Motor: Panasonic A6 series pulse-type AC servo motor.
- q. HMI Interface: HMI Touch Screen Monitor.
- r. Electrical Cabinet: Integrated into the main unit.
- s. Winding Function: Toroidal, Rectangular, O, R, Irregular, Steps, and Three-phase cores.

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SPECIFICATION:

No.	Item Category	Value
1	Equipment Model	GW700-200M
2	Equipment Power	12KW
3	Power Supply	3 Phase 380VAC 50Hz
4	Overall Dimensions	6000mm*1400mm*1600mm
5	Total Machine Weight	2000KG
6	Air Pressure	6kgf/cm ²
7	Language	Simplified Chinese/English

Key Product Parameters

No.	Item Category	Value
1	Max. Core Outer Diameter	Ø1000mm
2	Mandrel Diameter	Ø120-Ø980mm
3	Material Width	20-200mm
4	Material Thickness	0.18-0.5mm
5	Accuracy on Both Sides	< 0.5mm

Decoiler

No.	Item Category	Value
1	Max. Material Outer Diameter	1200mm
2	Expansion Range	450-508mm (Standard)
3	Max. Loading	1000kg
4	Max. Feeding Speed	250 m/min
5	Accuracy on Both Sides	< 0.5mm

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Equipment Configuration

No.	Item Category	Quantity	Brand
1	Panasonic FP Series Control System	1	6 sets servo motors & 6 sets stepper motors
2	Panasonic 5KW Servo Motor / Driver (Spindle)	1	3 pcs
3	Taiwan WEINVIEW 7 inch Touch Screen	1	11 pcs
4	SMC/AirTAC Pneumatic Components (Filters, Solenoid Valves, Cylinders, Regulators, etc.)	-	24 pcs
5	Friction Unit for Tension Device	1	1 pc
6	Japan NSK/KOYO Bearings	-	13 pcs
7	Panasonic or SICK Metal Sensor and Photoelectric Sensor	-	2 pcs
8	CheeMing 7.5KW Gear Motor and Reducer. (Decoiler)	1	220 V, 8 A
9	Delta 11KW Inverter (Decoiler)	1	5 pcs
10	Banner Ultrasonic Sensor (Decoiler)	1	2 pcs
11	Components in Control Cabinet (Siemens, Panasonic)	-	0.5-0.7 MP
12	Siemens Controls and Emergency Buttons	3	1 set
13	SUMWIC Full Function OS Software	-	2 sets

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