



**GREWIN INDUSTRIAL GROUP CO.,LTD.**

**TEL/WhatsApp: +86 18622096679**

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**NAME:GW-20RT full-automatic rotor winding machine(Groove)**



GW-20RT full-automatic rotor winding machine is specially designed for the production of fluted commutator rotor, which is suitable for high speed winding of medium and thick diameter rotor. The machine adopts the automatic cutting and clamping mechanism and the auxiliary wire entry mode, which greatly improves the winding speed of the slotted rotor. The machine is widely used in DC, series motor rotor winding.

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<b>Parameter:</b>	
Wire Diameter:	0.2-1.2mm
Rotor Diameter :	20-120mm
Applicable rotor stack thickness:	10-130mm
Commutator diameter:	8-60mm
Action process:	step, automatic, single action
Number of rotor slots:	odd, even slots
Air pressure:	5-7kg/ cm2
Coil turns:	0-99999
Machine power:	4.5kw
Power source:	AC380V 50/60Hz
Flying fork speed:	0-3000rpm
Indexing speed:	0-2500rpm
Size:	1530*1280*1650mm
Weight:	850KG
<b>Main configuration:</b>	
Japan MITSUBISHI PLC	
Taiwan DELTA three servo control system	
Dynamic embedded MCGS7062KS touch screen man-machine interface GOT	

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Taiwan AIRTAC pneumatic system and air source treatment
Safety door device and feed device (pneumatic)
Korea & Japan main electrical parts
Hysteresis tension control unit
Taiwan HIWIN linear guide rail

### **Device functions and principles:**

The equipment is controlled automatically by servo motor, and the rotor is run automatically by winding, hanging and cutting.

The main components are the winding flying fork part, the indexing hook mechanism part, the cutting mechanism and other mechanical parts and control motors, electrical appliances.

The auxiliary component is the frame part, the hood part and the pay-off frame part.

### **Device Action Flow:**

1. Manually place the rotor on the initial positioning tool → start the device → feed the rotor → clamp the rotor, and exit the initial positioning;

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2. → Automatic indexing to hang the first hook hook →, indexing to pull the break wire head →, indexing to the first slot winding
3. → After winding a slot, → the second hook hook of the rotor indexing → the wire winding of the second slot indexing
4. → Repeat the above actions to complete each slot winding hook (according to the number of slots set by the program)
5. Pull the end of the broken wire after completion, release the chuck, and wind the next rotor

## **PACKAGING:**

Packaging Material: Carton/Wooden case with foam inside.

1.General package(Paper carton or plastic bag): For small equipped parts for Multi Spindle Coil Winding

Machine , Package it with form and pack paper to guarantee unbroken during the transport.

2.Wooden case package: For larger scale Multi Spindle Coil Winding Machine ,we have special skilled

carpenter, who would make the proper wooden case with exact thickness,density,length. The up arrow ↑marked on the outer wooden case. Buffer material would be put in the wooden case to prevent crack and shock.

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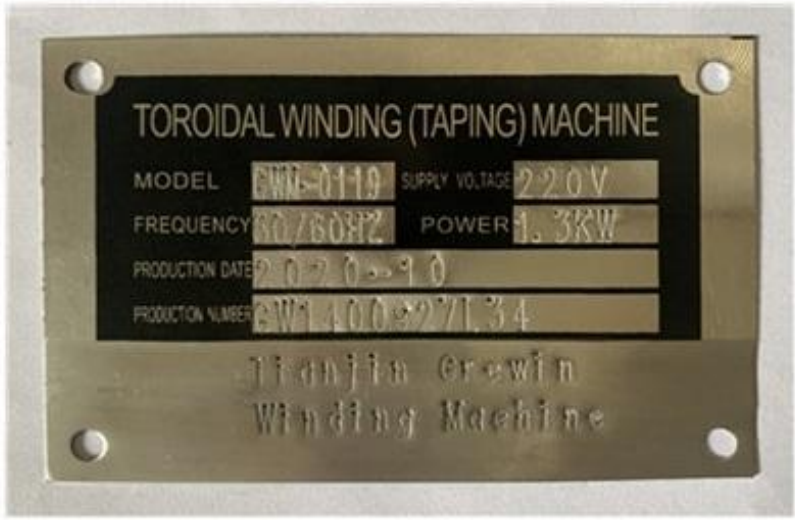
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## FACTORY:

We-GREWIN INDUSTRIAL GROUP is expert in winding machines line s for 28Years. Our Grewin have ISO9001:2015,CE approvals,Machines'

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Patents,"high-tech enterprises"by the government.



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