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## **Servo drive auto winding machine**



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## Equipment technical parameters and performance:

1	Model&Name	GW-SD07-6	Servo drive auto winding machine
2	The power standard	380V/50HZ	
3	Powertrains flow	Servo drive	
4	The machine size	1400mm*1250mm*1800mm	
5	Scope of application	<p>① 、 Wire diameter requirements: <math>\phi</math> 0.11-0.27mm、 The wire diameter above 0.27 must be customized.</p> <p>②、 The thickness of the core: 7mm-25mm The core thickness can be adjusted by CAM.</p> <p>③、 Outer circle size of iron core: <math>\phi</math> 100mm<math>\leq</math>The size of the core is larger than or equal to 100mm, need to change the size of station of the machine.</p>	
6	Technical characteristics	<p>① 、 The winding lines rows neatly.</p> <p>②、 Automatic wire clamping, wire cutting, and self-determination of position, to achieve the function of winding wire head.</p> <p>③、 The machine can run clockwise and counterclockwise winding independently, The stator dividing Angle can be proportioned and set simultaneously.</p> <p>④、 The machine has six stations for winding, and meets the outer circle normal winding of the stator within <math>\phi</math> 100mm.</p>	
7	Equipment running speed	The stack thickness of the stator is 12mm-25mm. The height of the single side of the skeleton is within 10mm, and the wire diameter is $\phi$ 0.13mm-0.27mm Copper wire, 8 slot stator normal operating speed: 800-1000.	
8	Product qualification rate	The defective rate is less than 1% due to broken wire and poor insulation.	
9	Tensioner configuration	<p>①、 Equipped with magnetic electronic tensioner.</p> <p>②、 Tension values are displayed through display data.</p> <p>③、 The force value can be set and displayed through the human-machine interface.</p>	
10	Molds and fixtures	<p>①、 The wire nozzle is made of tungsten steel, which is smooth and does not hurt the wire.</p> <p>②、 Stator positioning fixture is made of alloy aluminum material.</p>	
11	Safety requirements	<p>①、 The equipment meets ROHS requirements. The equipment runs normally without oil leakage and is lower than ambient noise.</p> <p>②、 The equipment adopts manual, automatic and adjusting machine mode, and the protective door is equipped with protection switch, the machine stops when the protective door is opened in the operation of the machine.</p> <p>③、 The equipment is equipped with an alarm device, the work is completed or have faults will be displayed by different colors on the alarm.</p> <p>④、 Equipped with grating protection on the front of the equipment, it will stop in time when entering the unsafe pressure, no operation safety risks.</p>	

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12	Tooling conversion	①、 Stator positioning fixture is made according to the size of the stator produced, easy to replace, one station fixture disassembly and assembly is not more than 5 minutes.
		②、 Pay attention to the replacement of the product, to achieve the ideal winding, wiring effect, according to the replacement of the stator notch, wire diameter to determine the size of the nozzle.

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