



GREWIN INDUSTRIAL GROUP CO., LTD.



天津格威实业集团有限公司

# Fully Automatic Taping and Winding Machine

## GWTU-7701

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# Function introduction



## Main features of the equipment:

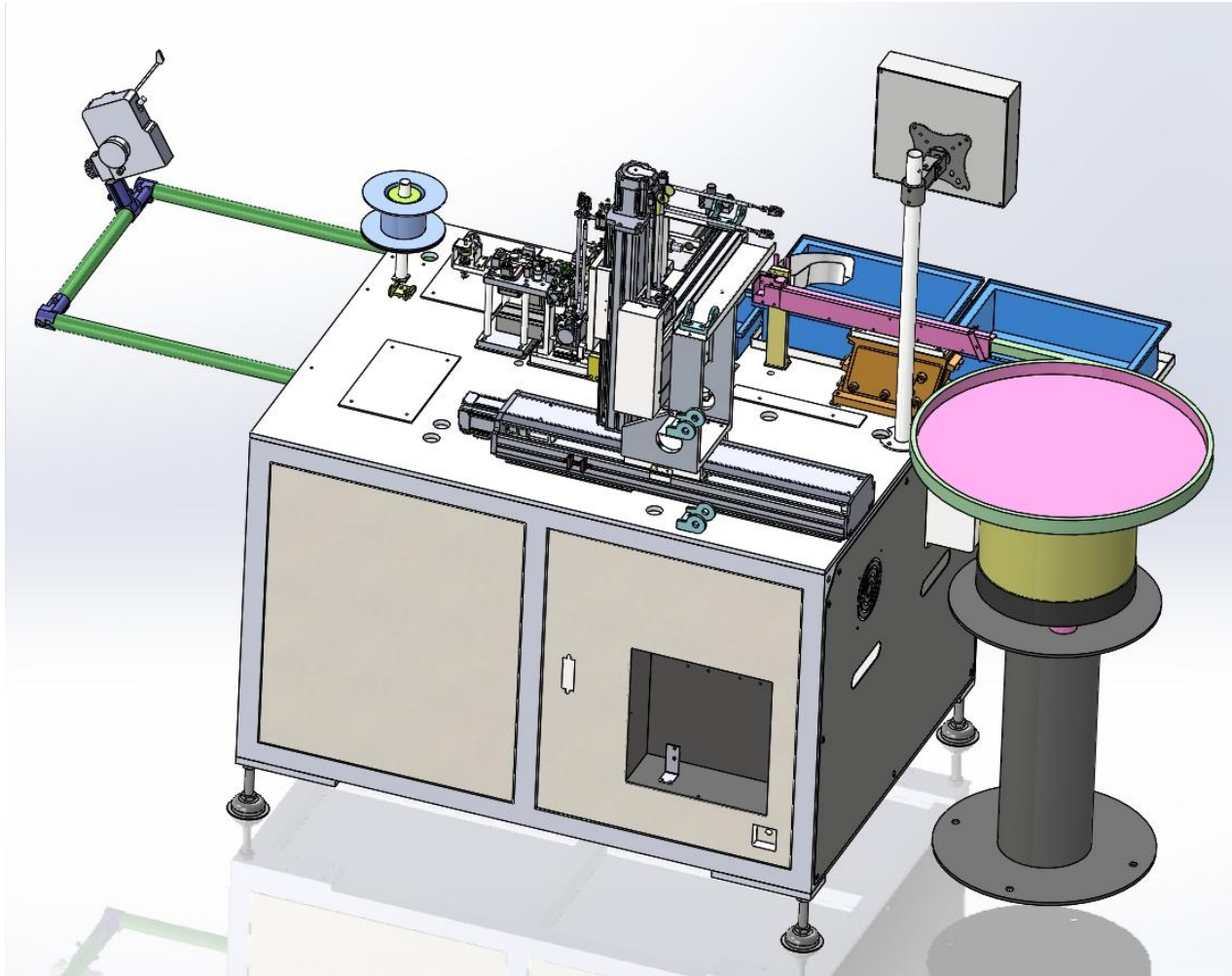
1. The chassis is made of high-quality resin sand advanced castings to ensure that the equipment will not deform when the spindle is running at high speed;
2. Use high-quality guide rails and ground ball screws to ensure the accuracy of machine positioning and repeated positioning;
3. The main axis and each dimension adopt AC servo motors, and the running speed and positioning of each axis are fast and accurate;
4. The skeleton in-position detection device can detect abnormal skeletons and promptly alarm and stop the machine to ensure that the guide pin is not interrupted;
5. The control area is equipped with start, reservation and emergency stop buttons, which are convenient to operate, humanized and achieve safe production;
6. Changing the type of winding: just call the program programmed in the machine and change the fixture;
7. Equipment safety door protection device to ensure the safety of operation;
8. Programming method: touch screen programming to achieve WYSIWYG programming effect.



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The operator puts the material into the vibrating plate and automatically loads the material (pipe threading, tube cutting, and threading (casing) at the same time)

Process flow:

Starting and wrapping → winding → wrapping and isolating → crimping (pressing at right angles) → wrapping → cutting and unloading → completing a winding cycle





# Operating procedures



## Main configuration list:

No.	Itemcategory	Value	Remarks
1	Equipment model:	<b>GWTU-7701</b>	
2	Vibrating plate automatic loading device:	1 set	Optional
3	Guide needle device:	1 set	
4	Disconnection alarm:	1 set	
5	Rubber encapsulation device:	1 set	
6	Coil device:	1 set	
7	Motor crimping:	1 set	
8	Scissor device:	1 set	
9	independent attenuation device:	1 set	
10	Cylinder clamping device:	1 set	
11	Magnetic tensioner:	1 set	Comes with a thread spool
12	Thread mouth:	1 set	





# Technical Parameters:

No.	Itemcategory	Value	Remarks
1	Spindle number	1	
2	Main Spindle Direction	Clockwise/counterclockwise per revolution/360	Optional
3	Spindle speed	3000pm	
4	Three dimensional travel	X: 400 Y: 200 Z: 150	
5	Spindle motor	100W	
6	Wire range	0.05~0.6mm multi-strand wire	
7	Power voltage	AC 220V±10%	
8	Max. wire diameter	50mm	
9	Fixture interface inner diameter	10mm	
10	Guide needle rod moving servo motor power	200W (X) 200W (Y) 200W (Z)	
11	X Y Z speed (mm/sec)	50mm/second	Comes with a thread spool
12	Air pressure	0.4~0.6mpa	
13	Relative humidity:	(40~90) %RH	
14	Size	300kg	



# Main Configuration Brands:

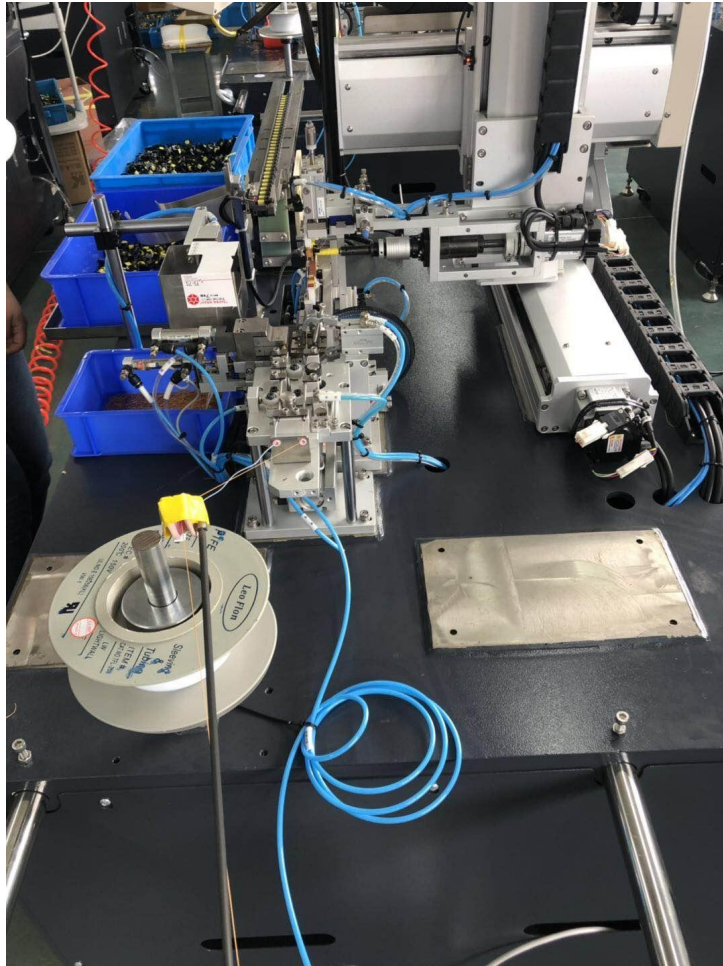
No.	Item category	Value	Remarks
1	Main Component Names	Brand & Origin	
2	AC servo motor	lesai	
3	Bearing	Japan NSK	
4	Guide	Taiwan Dinghan brand	
5	Ground ball screw	Taiwan Dinghan brand	
6	Pneumatic solenoid valve	Air TAC	
7	Cylinder	Air TAC	
8	Fiber + Amplifier	KEYENCE or PANASONIC	
9	Photoelectric switch	Japan OMRON or equivalent brand	
10	Magnetic switch	Air TAC	



# Introduction to the operation interface



## Customer production example



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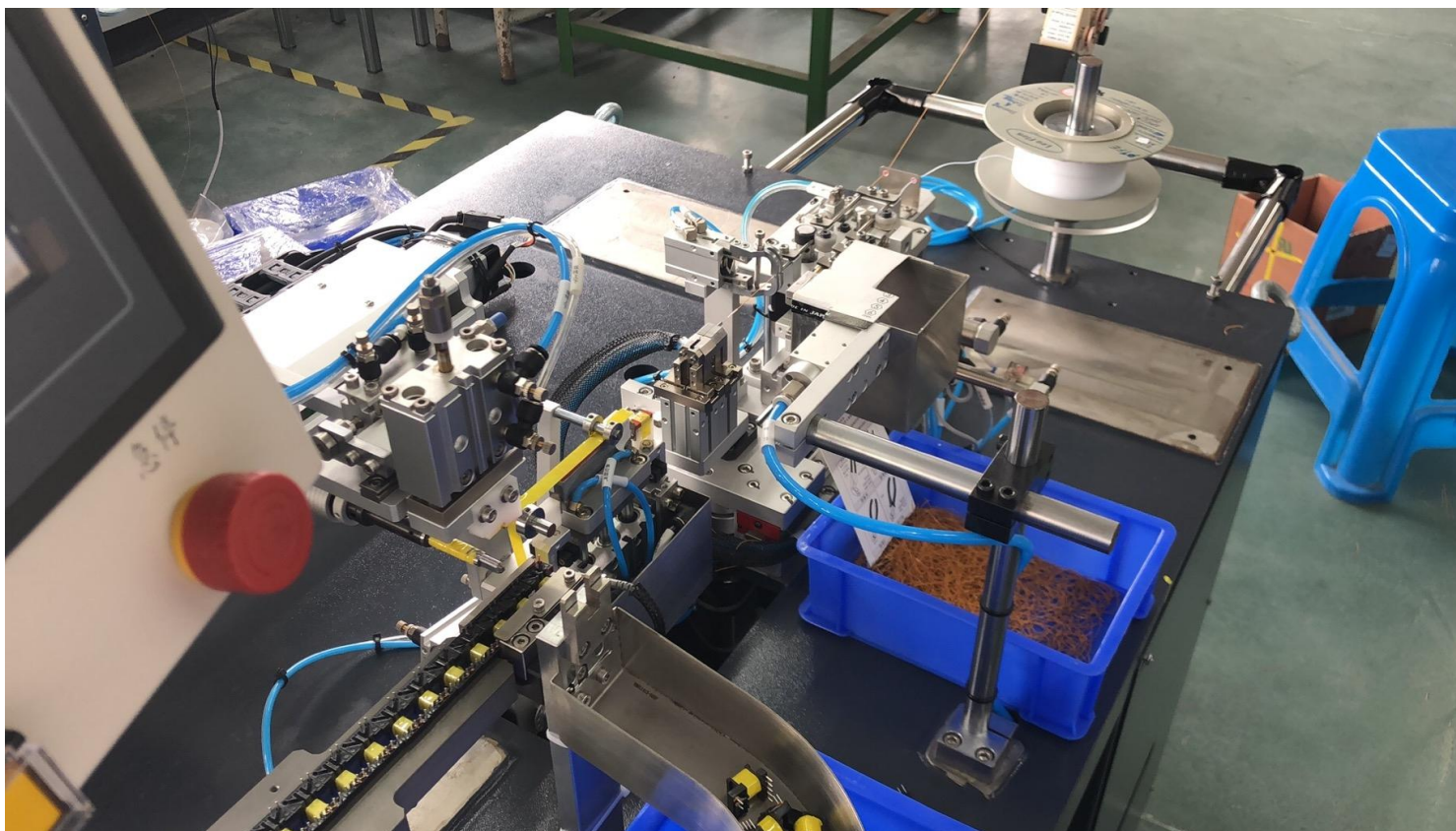
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# Introduction to the operation interface



Function parameter page:



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## PRACTICAL APPLICATION :

### TRAINNING CUSTOMER TO OPERATE WINDING MACHNE :

- 1.All service engineers with 10 years experience are gotten special technology training, who can deal with various breakdown problem.
- 2.Guide the user to use accurately and how to maintain the Digital CNC Wire Coil Winding Machine. Provide free consultation about production process technology of electronic products.
- 3.In order to guarantee the machine used normally, we'd have training on how to operate, use and maintain our product by English manual, video, guiding on line.

### PACKAGING:

Packaging Material: Carton/Wooden case with foam inside.

- 1.General package(Paper carton or plastic bag): For small euipped parts for Digital CNC Wire Coil Winding Machine, Package it with form and pack paper to guarantee unbroken during the transpot.
- 2.Wooden case package: For larger scale Digital CNC Wire 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.





## FACTORY:

We-GREWIN INDUSTRIAL GROUP is expert in winding machines lines for 30 Years.

Our Grewin have ISO9001:2015,CE approvals,Machines'Patents,"high-tech enterprises"by the government.



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