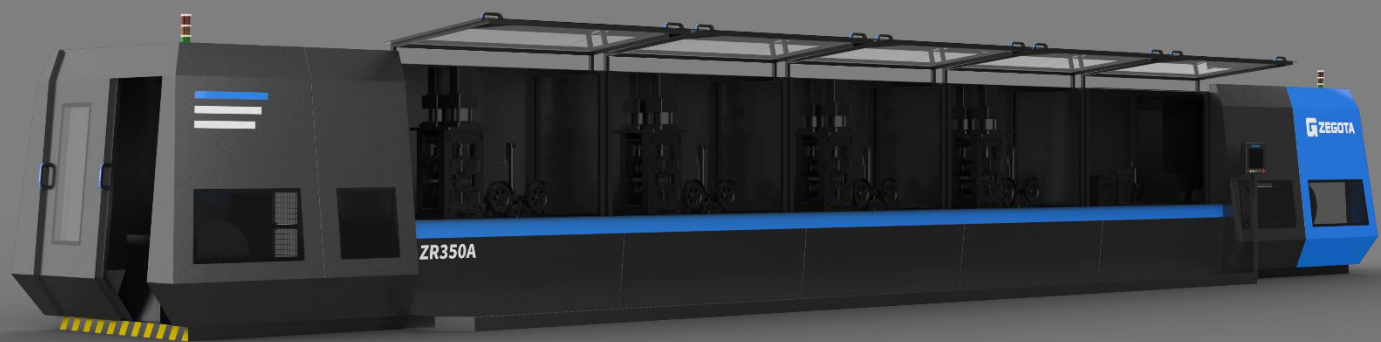


Wire rolling mill



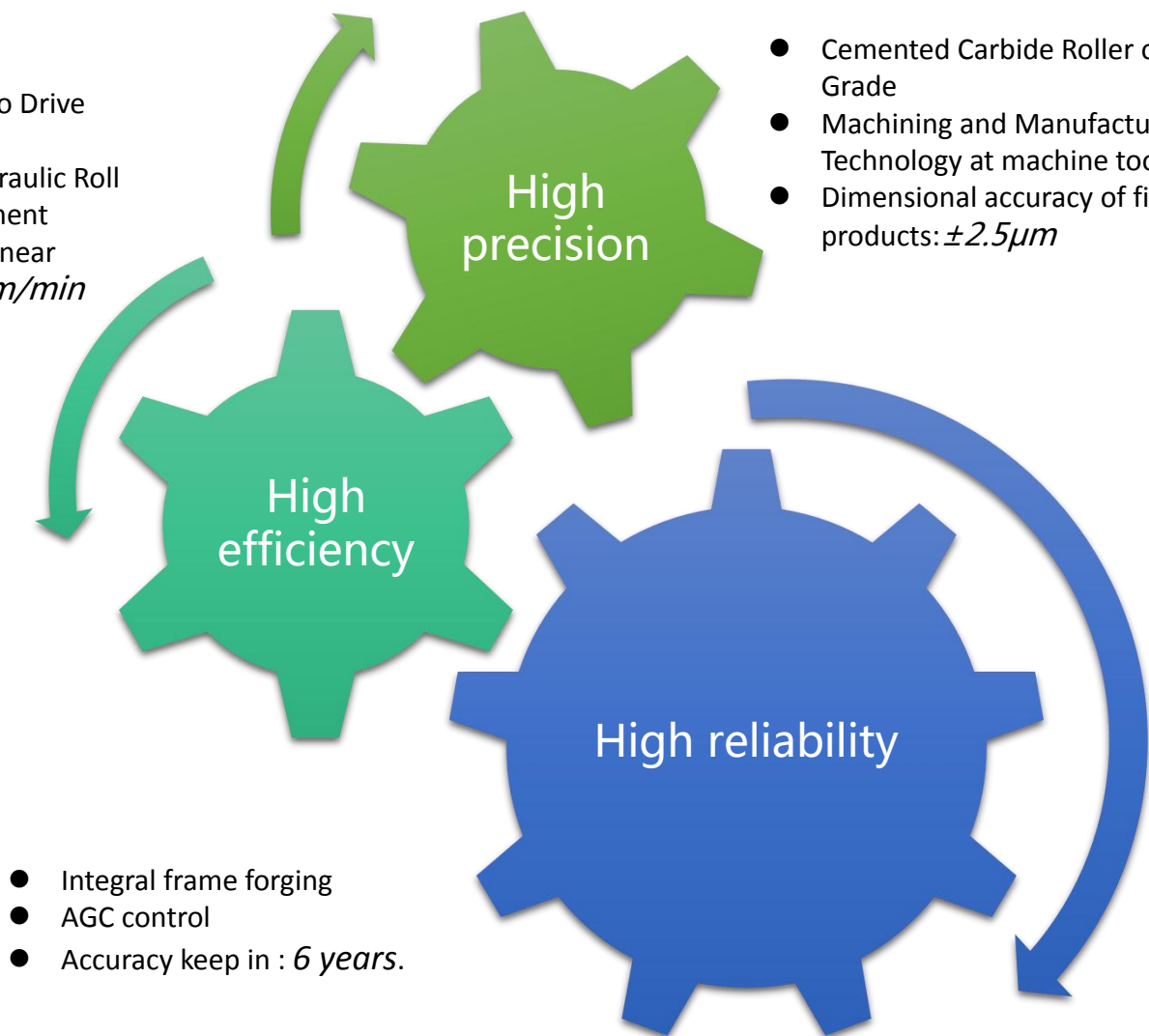
Wire rolling machine



Precision profiled wire rolling machine is a rolling equipment which processes copper, aluminum, stainless steel, carbon steel, alloy and other materials into flat, square, semi-circular and triangular wires by cold rolling. The design team of Enhancing technology Co., Ltd. is based on 30 years of R&D and design experience, and has complete independent intellectual property rights. The product matches the international first-line brand and its performance is at the advanced level of the industry. With flat roll, vertical roll, symmetrical four-roll, universal roll and other rolling heads, we can design multi-pass rolling mill production line according to customer's product requirements. It can not only greatly improve the production efficiency of the industry, but also improve the quality of products. It is the best choice for rolling mills to gradually replace the cold drawing and drawing process equipment.

- Double Servo Drive Rolling
- Electric/Hydraulic Roll Gap Adjustment
- Maximum Linear Speed: *600m/min*

- Cemented Carbide Roller of Aviation Grade
- Machining and Manufacturing Technology at machine tool Level
- Dimensional accuracy of finished products: $\pm 2.5\mu m$



Dedicated to precision cold rolling technology.

Wire rolling machine



Item		Parameter
Raw material diameter		Φ0.1~Φ20mm
Raw material		Cooper, Stainless steel, Carbon steel, Steel alloy etc.
Rolled wire size		Max. width-thickness ratio: 30
Final precision		≤0.005mm
Working speed		10~600m/min
Composition	Payoff	Per raw material wire.
	Tension	Pneumatic adjustable, servo torque control.
	Roller	Per rolling method.
	Inline detection	Real-time Width and Thickness Detection.
	Cooling system	Cooling medium constant temperature control, precision filtration.
	Lubrication system	Centralized lubrication and constant temperature control.
	Straightener	Vertical straightening and Horizontal Straightening.
	Degreasing system	Air knife oil removal/scraping oil removal.
	Take up	Precision take-up, layout accuracy 0.2m, I-wheel can be customized.

Dedicated to precision cold rolling technology.

Wire rolling mill

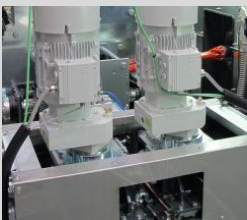
Horizontal 2 high rolling mill



- Extreme Speed Roll Replacement
- Wide Rolling Force Range: 20~300KN
- Double Servo Drive Rolling

Model no.	ZR0201-15	ZR0201-30	ZR0201-60
Roller diameter (mm)	Φ115	Φ165	Φ200
Roller material	Cemented carbide		
Roller driving	Servo driving		
Max. rolling force (KN)	15	30	60
Highest precision (mm)	≤0.0005		

Vertical 2 high rolling mill



- Electric roll gap adjustment
- 60KN Rolling Force
- Double Servo Drive Rolling

Model no.	ZR0202-60
Roller diameter (mm)	Φ150
Roller material	Cemented carbide
Roller driving	Servo driving
Max. rolling force (KN)	60
Highest precision (mm)	≤0.0005

Turkey head 2 high rolling mill



- Electric roll gap adjustment
- 60KN Rolling Force
- Double Servo Drive Rolling

Model no.	ZR0203-30	ZR0203-60	ZR0203-100
Roller diameter (mm)	Φ165	Φ200	Φ260
Roller material	Cemented carbide		
Roller driving	Servo driving		
Max. rolling force (KN)	30	60	100
Highest precision (mm)	≤0.0005		

Wire rolling mill

Symmetric 4 high rolling mill



- Hydraulic roll gap adjustment
- 60KN Rolling Force
- Double Servo Drive Rolling
- Easy one-key roll-to-roll

Model no.	ZR0401-30	ZR0401-60	ZR0401-100	ZR0401-250
Roller diameter (mm)	Φ165	Φ200	Φ260	Φ300
Roller material	Cemented carbide			
Roller driving	Servo driving			
Max. rolling force (KN)	30	60	100	250
Highest precision (mm)	≤0.0005			

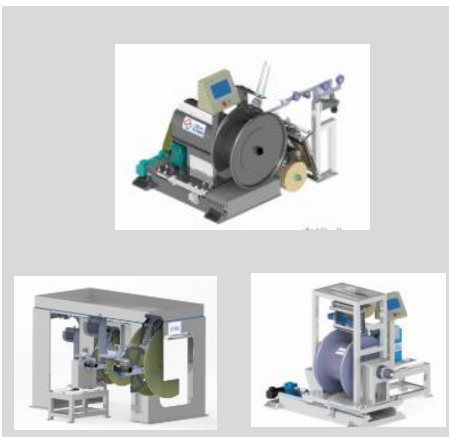
Universal 4 high rolling mill



- Hydraulic roll gap adjustment
- 60KN Rolling Force
- Double Servo Drive Rolling
- Easy one-key roll-to-roll

Model no.	ZR0402-30	ZR0402-60
Roller diameter (mm)	Φ165	Φ200
Roller material	Cemented carbide	
Roller driving	Servo driving	
Max. rolling force (KN)	30	60
Highest precision (mm)	≤0.0005	

Paper take up machine



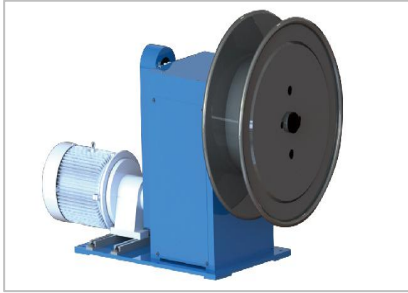
Model No.	Cantilever	Double center	Gantry
I wheel max. diameter	Φ750mm	Φ850mm	Φ1000mm
I wheel max. width	220mm	450mm	550mm
Max. take-up speed	60m/min	60m/min	300m/min
Max. take-up weight	500KG	1000KG	2000KG
Wiring precision	±0.3mm	±0.2mm	±0.2mm
Take-up direction	Left in/Right in	Left in/Right in	Left in/Right in
Tack-up type	Positive	Positive /inversion	Positive /inversion
Total power (KW)	3	4.5	7.5
L*W*H (mm)	1500*1300*1500	1750*1850*1600	2800*2200*1800

Paper take-up speed can reach 60 m/min, using computer algorithm, the wire arrangement accuracy can reach +/-0.3 mm; multi-functional paper cushion, automatic fixed length paper cutting, paper feeding, can realize the operation requirements of layer paper cushion or interlayer paper cushion; high intelligence, automatic fault recording, paper jamming, paper breakage and paperless automatic alarm, can be configured with remote management system.

Dedicated to precision cold rolling technology.

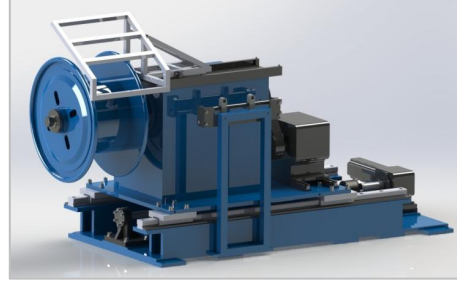
Wire rolling mill

Payoff



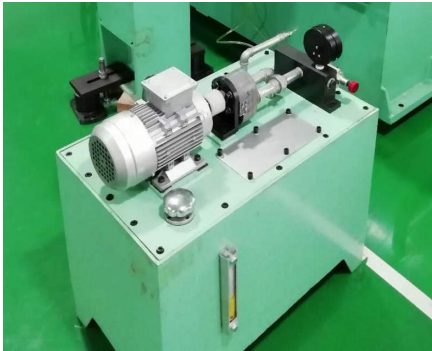
- Active and passive wiring
- I-wheel specifications are customized according to customer requirements
- Bulk steel wire stringer, tower stringer

Take-up



- Customized Design According to Customer Requirements
- I-wheel for blank stripping
- Arrangement pitch can be set

Lubrication



Rolling bearings adopt centralized lubrication system. Roller bearings are cooled at high speed to improve the service life of bearings.

Cooling system



The cooling system is designed with double oil tanks. The rolling oil is filtered precisely and the filter paper can only be reeled. Forced water cooling technology can effectively suppress the temperature rise of rolls and ensure rolling accuracy.

Inline detection system



Non-contact laser on-line detection system, the highest detection accuracy can reach <0.001 mm.

Software control system



Siemens PLC, Pro-face PMI, Italia Phase servo and drive, The control is more precise and the service life is longer.

Dedicated to precision cold rolling technology.



Enhancing

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