



topone

TY SERIES

Wheel Lathe Diamond Cut Alloy

Repairs damaged wheel surfaces

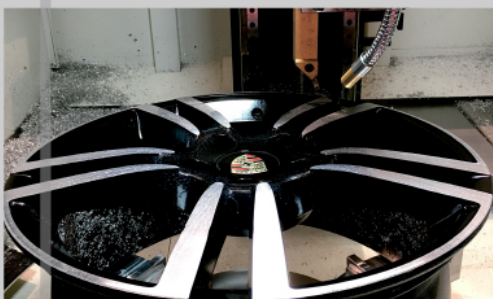
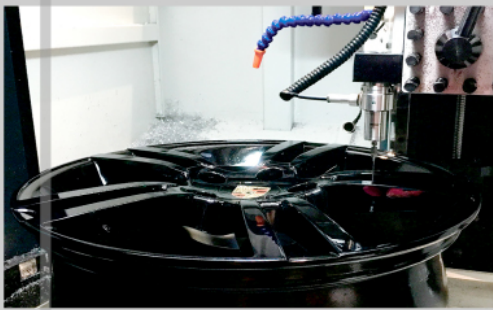
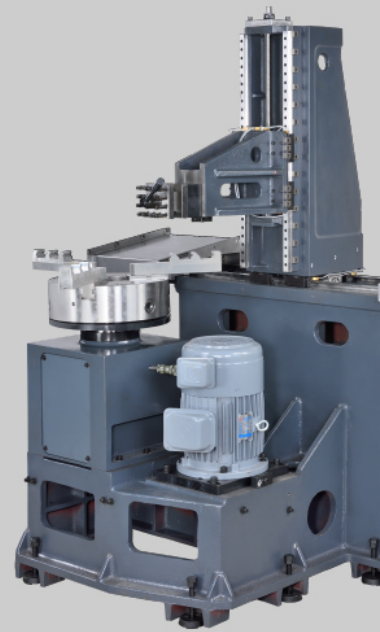
- New innovation for the wheel repair industry
- Vertical wheel lathe for cutting and polishing
- Simple to learn, easy to operate, and fast to finish





TY-30 Up to 30" Rim

Capable of Cutting Wheels from 14" to 30"



Repairs Damaged Wheel Surfaces

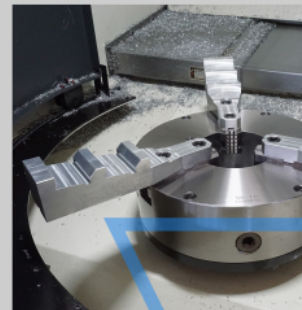
- New innovation for the wheel repair industry
- Vertical wheel lathe for cutting and polishing
- Simple to learn, easy to operate, and fast to finish

Sturdy Material Structure

- Meehanite integrated & annealed casting with reinforced rib, anti-deformation, and stress relief for long-term reliability
- X and Z axis are equipped with heavy duty roller type linear guideway. It preloads carriage, erases thermal displacement, produces low friction, and has smooth axial movement

High Precision Ball Screw

- C5 double nut precision ball screws
- P4 precision screw support
- Hardened and grounded to be durable
- Auto lube system for accuracy and longevity



CNC Control

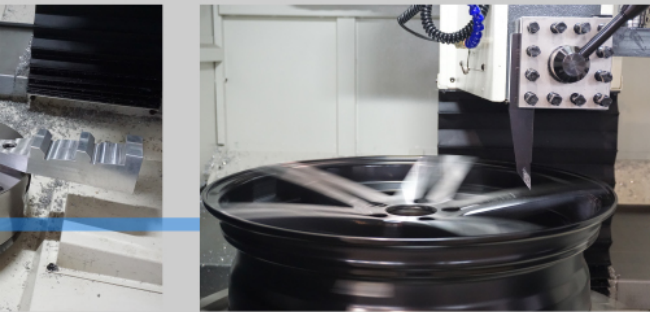
- High performance controller with custom UI and external application support.
- Advanced motion control path planning with dynamic smoothing and look-ahead.
- High-speed digital Yaskawa M-III or Ether CAT drive interface.
- Standard G/M-Code support, with complete Marco Programming system.
- Conversational programming for easy operation.
- Tool-setter and spindle probe interface for automatic precision measurements.
- USB and network file transfer and management.
- MT connect support for data acquisition.
- Remote diagnostics and support.



TY-23

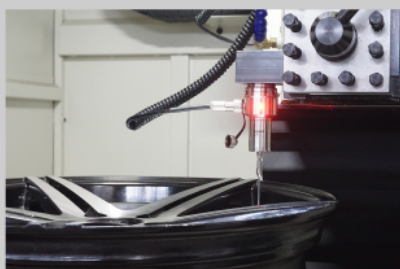
Up to 23" Rim

Capable of Cutting
Wheels from 14" to 23"



Digitizing Probe

Ceramic stylus with ruby sensor point
LED touch sensitive indicator light
Measure and digitize the rim to record its surface



Specifications

		TY 23	TY 30
Travel	X Axis Travel	14.5"	20"
	Z Axis Travel	13"	18"
	Max Turning Wheel Diameter	23"	30"
Chuck Capacity	3-Jaw Chuck	12"	15"
	Gripping O.D. Range	14"-24"	14"-30"
Distance	Distance from Spindle End to Table	0"-15"	0"-18"
Spindle	Spindle Nose Taper/Tool	A2-5	A2-6
	Spindle Speed (RPM)	100~600	100~600
	Spindle Type	Belt drive	Belt drive
	Spindle Motor (4P)	3 HP	10 HP
	2 Axis Servo Motor (X/Z)	0.85/0.85HP	0.85/0.85HP
Feed	X Axis Rapid Traverse	10M/min	10M/min
	Z Axis Rapid Traverse	10M/min	10M/min
	Cutting Feedrate	5M/min	10M/min
	Min. Input Unit	0.001mm	0.001mm
Installation Requirements	Connected Electricity	6 KVA	15 KVA
	Weights	780 Kgs	2000 Kgs
	Machine Dimension (L x W x H)	50" 63" 67"	79" 62" 100"
	Shipping Dimension (L x W x H)	55" 70" 75"	90" 80" 106"

Standard Accessories

- | | |
|---------------------------|-----------------------|
| 1 Digitizing Package | 7 Way Covers |
| 2 Diamond Cutters | 8 Chip Cart |
| 3 RS-232 & Ethernet Ports | 9 Tools & Tool Box |
| 4 Full Enclosure | 10 Four Way Tool Post |
| 5 Halogen Work Light | 11 MPG (Optional) |
| 6 Auto Lube | 12 Cooling Spray |



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