



**topone**

# **TY SERIES**

# **Wheel Lathe**

# **Diamond Cut Alloy**

**Repairs damaged wheel surfaces**

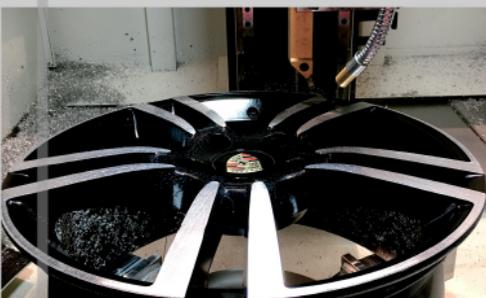
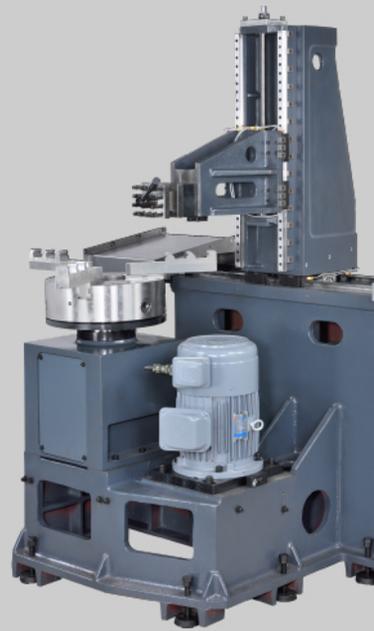
- New innovation for the wheel repair industry
- Vertical wheel lathe for cutting and polishing
- Simple to learn, easy to operate, and fast to finish





# TY-30 Up to 30" Rim

Capable of Cutting Wheels from 14" to 30"



# Repairs Damaged Wheel Surfaces

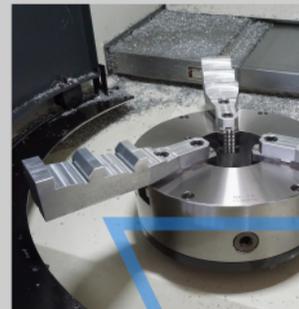
- New innovation for the wheel repair industry
- Vertical wheel lathe for cutting and polishing
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## Sturdy Material Structure

- 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
<b>Travel</b>	X Axis Travel	14.5"	20"
	Z Axis Travel	13"	18"
	Max Turning Wheel Diameter	23"	30"
<b>Chuck Capacity</b>	3-Jaw Chuck	12"	15"
	Gripping O.D. Range	14"-24"	14"-30"
<b>Distance</b>	Distance from Spindle End to Table	0"-15"	0"-18"
<b>Spindle</b>	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
<b>Feed</b>	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
<b>Installation Requirements</b>	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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