

PC Type Vertical Alloy Wheel Repair Lathe AWR902VP

A. IPC Version Descriptions

Hardware:

- 17 inch touch screen industry integrated machine (stable Intel chipset industrial solutions)
- Quad core CPU/ SSD hard stick/large capacity DDR3 memory/ USB3.0/WIFI module
- 10-point touch capacitive screen/1000:1high contrast/16.7M dynamic color/1280×1024
- Metal casing cover, low power consumption(no fan), dust proof, Anti interference, high and low temperature.
- wireless key&mouse are set up and the mouse can be used together with the touch screen.

Software:

- Self developed professional wheel repair software.
- Friendly man- machine interface, easy to learn and the people without professional training can learn the operation easily in two hours.
- Detection, optimization and cutting can be finished in one system in a time.
- The software can support the repair of curves by parts, make the surface of wheel perfect by cutting minimum cutting quantity.
- The customer can establish their own database of different models of wheels and the saved data can be used in the cutting of same model.
- Support the remote assistance, and any problems can contact with our company to start the after sale service.
- Software support remote upgrade, enjoy life free upgrade to the latest version

B. Wheel Repair Machine Features:

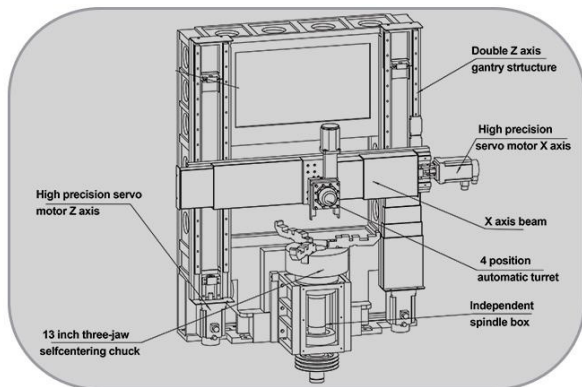
- Diamond cutter & Ruby probe
- Gantry structure & linear guide
- Cast iron bed, integral casting
- 17" multi-touch interface
- High precision servo motor
- Simple optimization software
- 4-position electric turret
- Magnetic hand-wheel unit
- Light system, automatic lubrication system, cooling system(standard)
- Full cover safety door, Electromagnetic door lock, pneumatic door optional
- Tool case
- Training videos

C. Specifications:

ITEMS	Specifications
Control system	17 inch Multi-touch industrial PC system
Optimization software	Crystal CNC-WheelCurve Software V2.0
Maximum turning diameter	860mm
Max. size of alloy wheel	34inch
Max. depth of wheels	550mm
Chuck	13'' 3 jaw chuck(6 jaw optional)
X/Z axis accuracy	0.001mm
X/Z axis control mode	Servo control
X axis travel	455mm
Distance from tool holder to end face of chuck	630mm
No. & type of guide in X axis	Two linear
No. & type of guide in Z axis	Four linear
Range of spindle speed	50-1500rpm
Stations of tool post	4 position electric tool holder(manual tool post optional)
Max. size of tool post	25×25mm
Detection method	Ruby probe
Machine base	Whole cast iron base
Motor power	5.5kw
Voltage	3 phase 380V 50HZ
Color	Customizable
Machine size	1630*1100*1860mm
Net weight	1530kg



Product Details

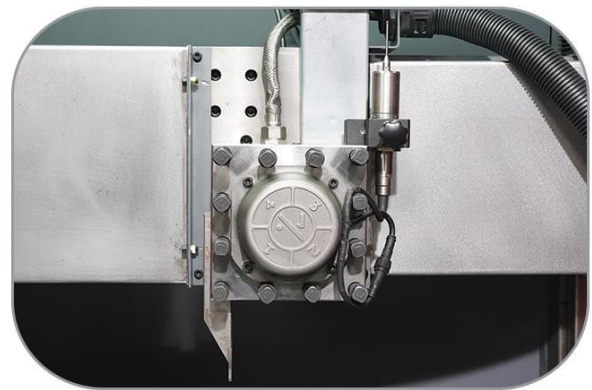


Gantry Structure & Linear Guide-rail

Ensure the stability and rigidity of the overall structure of the fuselage, so that the wheel will not appear chattering when cutting

Automatic Tool Holder & Diamond Cutter And Ruby Probe

Realize one-key switching of the ruby probe and diamond cutter

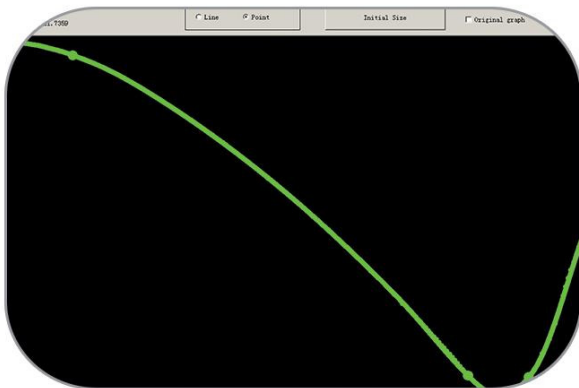


17" Touch Screen Based On Windows

Touch screen industrial computer, which is easy to operate by wireless keyboard and mouse and easy to learn. The keyboard holder is designed with 3 joints.

Magnetic Hand-wheel Unit

Can be placed any place of the lathe, easy to carry and use

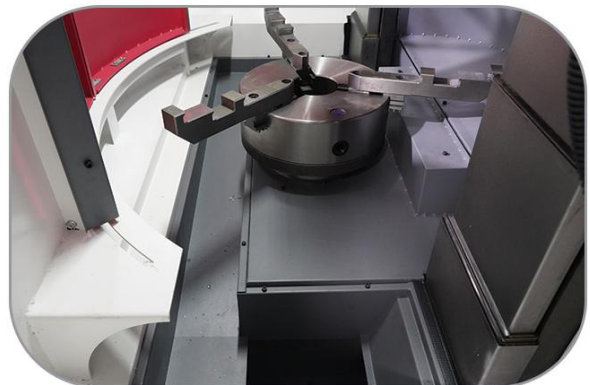


Optimization software

A small amount of cutting, the original curve of the wheel is restored to the maximum extent

Annular chip removal groove

The annular chip removal groove is convenient for aluminum chip collection and cleaning, and convenient for maintenance



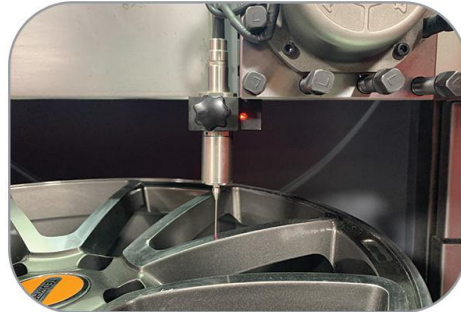
Safety Door

Arc door design enlarge the internal space. Electromagnetic door lock ensure the safety.

Steps for diamond cut wheel



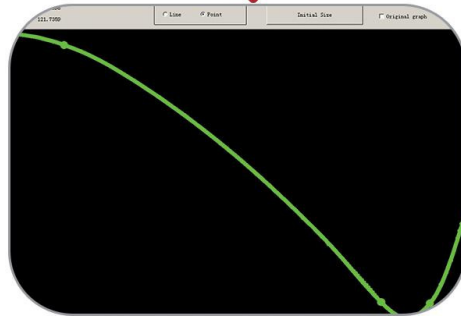
LOADING WHEEL



DETECTION



DIAMOND CUTTING



OPTIMIZATION

