

Wheel brushes

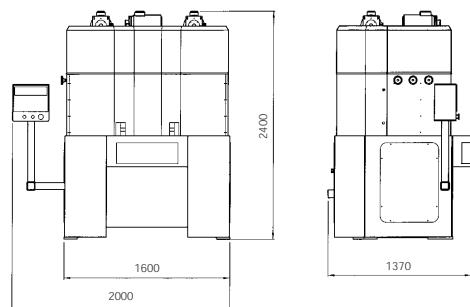
Areas of use

Wheel brushes are used for various surface treatments such as rust-removal, deburring, honing, welding, buffing, cleaning, rough polishing, etc. The brushes are suitable for both stationary and hand machines.

Qualities

Wheel brushes provide high productivity and flexibility at low cost. The brush material and size are adapted to both machine and intended use.

Sinjet wheel brushes are used in everything from bench grinding machines to deburring robots. For the Edge Honing Machine Type EX-28, Sincanyl brushes are very useful.



Sinjet

SINJET EDGE HONING MACHINE EX-28



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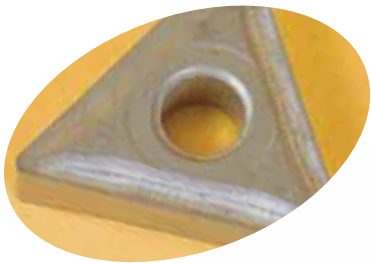
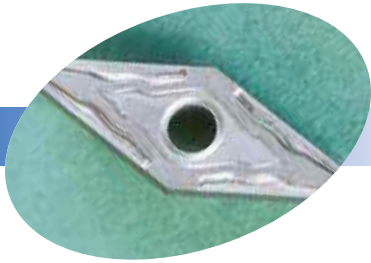
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SINJET EDGE HONING MACHINE TYPE EX-28



1. Side alignment brush adjusters. Electric adjustment optional.



2. Operator's panel



3. Brush rotating motors are totally separated from the wet area.



4. Easily accessible for service.



Technical data

Number of spindles	28 pcs
Number of brushes	3 pcs
Cooling liquid	Oil emulsion
Brush motors	3 kW
	Frequency controlled as option
Rotary table motor	Direct driven by servo motor
Height adjustment	DC motor
Horizontal adjustment	By hand wheel
	DC motors as option
Spindel rotary drive	AC motors, frequency controlled
HMI (Human- machine Interface)	Operators panel
Control system	Electronic PLC system
	Separate cabinet
Production capacity	Up to 2000 inserts per hour
Loading/unloading	Manual by operator
	Prepared for use of robot and vision system
Machine weight	About 1800 kg
Dimensions BxWxH	1600 x 1370 x 2400 mm

Technical description

The machine is designed for edge honing of inserts of different types. It makes the edge of the insert smooth and the radius can be controlled very accurately. A rotary table that contains 28 spindles is housed inside the machine. One insert is placed on top of each spindle. (Manually or by a robot). The edge honing is done by three Sicanyl (silicon carbide) brushes as the rotary table and the spindles themselves are rotating.

Brushes can be adjusted in height (electrically) and sideways (manually).

Automatic brush height compensation for brush wear.

Each spindle is eccentric and gives a linear movement underneath the brushes. This prolongs the life of the brushes and gives a more accurate edge honing result.

Individual spindle drive units at each brush station makes it possible to use different settings for spindle rotating speed and direction.

All brushing stations are guided in ball and groove precision guides.

Safety is guaranteed as the machine is totally enclosed.

The machine is controlled by an electronic control system and uses an operator's panel as HMI (Human Machine Interface).

Easy maintenance. Access through hatches.

A video system enables the user to make all adjustments at the operator's panel and still have good control of the movements inside the machine.

