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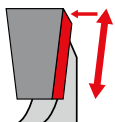
Fully automatic side grinding CNC machine for complete machining of the lateral angle on carbide-tipped circular saw blades



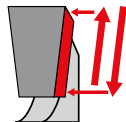
Highlights

- ✓ 6 CNC-controlled axes guarantee complete machining of all common tooth geometries in just one pass
- ✓ The space-saving machine concept allows a high degree of ergonomics and excellent operability
- ✓ Automatische Einstellung aller gängigen Winkel und automatische Erkennung der Tooth pitch mit eingebauter Sensorik an der Vorschubklinke
- ✓ The positioned tooth can also be finished in several passes
- ✓ Easy access for maintenance work on control cabinet, coolant pump, pneumatics and extinguishing device
- ✓ Automatic grinding wheel probing by means of acoustic sensor
- ✓ Grinding wheel compensation integrated in the basic machine
- ✓ "LINUX Debian 10" control with multi-core processor

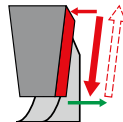
Application programmes



Grinding-wheel feed is at the top. This process can be repeated several times



Grinding-wheel feed is at the top and at the bottom what results in 2, 4 or 6 feeds



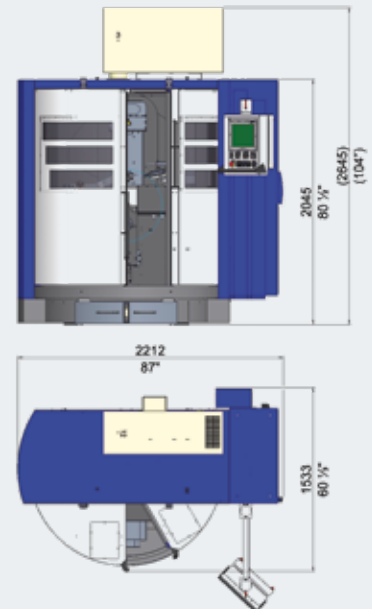
Grinding-wheel feed is at the top. At the bottom, the grinding-wheel is moved back. The grinding head goes quickly upwards and the feed is again activated. This process can be repeated several times.

When designing the machine, great importance was attached to simple and easy operability.

It ensures short programming times and allows flexible deployment of the operating personnel.

The machine is operated via a clear 15.1 inch touch screen with a Linux-based interface.

Technical Data



GENERAL INFORMATION:

Tooth geometry	programmable
Tooth pitch	10° - 120° mm (*depending on parameters)
Blade thickness	up to 8 mm
Clearance angle tooth face	0 - 5°
Clearance angle tooth back	0 - 5°
Circular saw outer Ø	180 - 860 mm
Circular saw bore Ø	22 - 200 mm optional from Ø 15 mm
Cup grinding wheel	Ø 100 mm
Bore diameter grinding wheel	Ø 32 mm

PROPERTIES:

Electrical connection	400V 3Ph 50Hz, 6 kVA
Compressed air connection:	6 bar