



EKOSTAR 760

CNC-controlled sharpening machine for CBN-abrasive grinding

- ↙ Sharpening, re-toothing and chamfering of metal circular saw blades
- ↙ Ideal for the grinding of friction saw blades
- ↙ Grinding of chip breaker grooves with additional equipment

EKOSTAR 760

The automatic grinding machine EKOSTAR 760 is ideal for the sharpening, chamfering and re-toothing of metal circular saw blades.

In addition the machine can be used for cutting off defective teeth and grinding of saw blades with vari pitch toothing. Besides HSS- and segmental saw blades, the EKOSTAR 760 will also grind friction saw blades. The saw blade data will be entered into the control panel. The computer calculates immediately the tooth pitch and the tooth height and suggests the DIN tooth height difference for tooth shape "C". The computer also automatically calculates the required grinding wheel thickness and informs the operator in case a grinding wheel change will be necessary. The hook- and clearance angle, the amount of the stock removal and the grinding speed are preselected on the screen: that's all, the machine is ready to start grinding !The chamfering is semi automatic. And the machine is available for water emulsion and oil cooling.

Advantages at a glance

- ✦ Absolut indexing precision and a perfect tooth shape through modern CNC-control system
- ✦ CBN-abrasive grinding with effective cooling guarantees high stock removal rates coupled with optimum surface quality
- ✦ Automatic path offset: different pitches can be machined using the same grinding wheel thickness, which means a very small number of grinding wheels needs to be stocked
- ✦ Blade clamp at the point of the grinding enables the grinding of saw blades with Ø 140 – 760 mm by use of the same clamping flange
- ✦ Fast and easy programming using the Loroch Easy-Touch system
- ✦ 240 litres coolant tank in steel and high pressure cooling with 6 bar coolant pressure
- ✦ Complete encasing with big door

Technical Data

Working range

Saw blade diameter	Ø (20) 140 – 760 mm
Tooth pitch	1 – 25 mm
Number of teeth	2 – 998
Saw blade thickness	up to 8 mm

Grinding wheels

CBN-grinding wheel	Ø 200 mm
Diamond-grinding wheel	Ø 200 mm
Bore size	Ø 32 mm

Cooling

Coolant pressure	approx. 6 bar
Coolant type	Water emulsion / Oil

Electrical installation

Power input grinding motor	2.2 kW
Power input machine	approx. 7 kW

Contact

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Dimensions (W x D x H)

door closed	985 x 1750 x 2015 mm
door opened	1568 x 1750 x 2015 mm



Sharpening



Chamfering



Re-toothing



Grinding (friction saw)