



## **solution K850**

CNC-controlled sharpening machine for CBN-abrasive grinding

- Fully automatic sharpening, re-toothing and chamfering of HSS metal circular saw blades
- Fully automatic grinding wheel insertion
- Fully automatic chamfering

## solution K850

### High Tech solution for re-sharpening, re-toothing and chamfering of HSS metal cutting circular saw blades.

The **solution K850** is the fully automatic, CNC controlled saw sharpening machine for the complete processing of metal circular saw blades (tooth shapes A, B, BW and C according DIN 1837 – DIN 1840. The four axes, two servo driven, will accept a saw blade diameter range of 40 – 850 mm. Also special tooth shapes such as solid carbide tooth or friction tooth can be ground.

### Special Features

- ✎ CBN abrasive wheel grinding
- ✎ Simple operation through:
  - automatic saw blade diameter adjustment
  - automatic grinding wheel insertion with simultaneous revision of the saw blade measurement data
  - optimal operational parameters selection based on measurement data
- ✎ Fully automatic chamfering
- ✎ Wide diameter range
- ✎ CAD-program for the construction of special tooth shapes, e.g. friction saw (optional)
- ✎ Direct drive of the grinding spindle improves grinding quality and increases grinding wheel lifetime

### Technical Data

#### Working range

Saw blade diameter	Ø (40) 130 – 850 mm
Tooth pitch	1 – 55 mm
Number of teeth	2 – 998
Saw blade thickness	up to 8 mm

#### Grinding wheels

CBN grinding wheel	Ø 200 mm
Bore size	Ø 32 mm

#### Cooling

Coolant pressure	approx. 6 bar
Coolant type	water emulsion or cooling oil
Coolant quantity	approx. 300 l

#### Electrical installation

Power input grinding motor	3 kW
Power input machine	approx. 5.5 kW (7.5 kW)

#### Weight

approx. 1600 kg

#### Dimensions (w x d x h)

Machine	1250 x 1870 x 2250 mm
Height with electro static air extractor	approx. 2450 mm
Height for door opening	minimum 2020 mm !



Direct drive of grinding spindle



Integrated coolant tank



## Contact

Loroch GmbH  
Josef-Loroch-Str. 1  
69509 Mörlenbach, Germany

phone: +49 (0)6209 7159-50  
+49 (0)700 56762433  
+49 (0)700 lorochde

fax: +49 (0)6209 7159-38  
e-mail: [info@loroch.de](mailto:info@loroch.de)  
web: [www.loroch.de](http://www.loroch.de)