

## NBS 800 for CNC Sharpening of Circular Saw Blades

The next generation of CNC sharpening machines, the NBS 800 brings the joy of sharpening process - higher quality sharpening results, operator safety and remote access support via internet - backup programs; software updates; via PC or smart phone access to machine display; remote service support; integration into the production process and gathering technological data, etc.

The machine is ideal for the sharpening of stellite, CV, bimetal and carbide-tipped circular saw blades up to 800 mm diameter. It operates with ceramic, CBN or diamond grinding wheels using water cooling. Driven diamond dressing wheel with automatic cycle is installed in order to keep the shape of ceramic stone clean and consistent. Thanks to this, the stable and consistent tooth shape of the sharpened blade is ensured.



Constant pitch sharpening

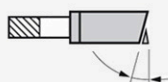


Variable pitch sharpening



The NBS 800 is equipped by transverse axis and therefore trapezoidal or alternately slanted teeth can be sharpened. At the common steel saw blades it can also sharpen entire tooth profile.

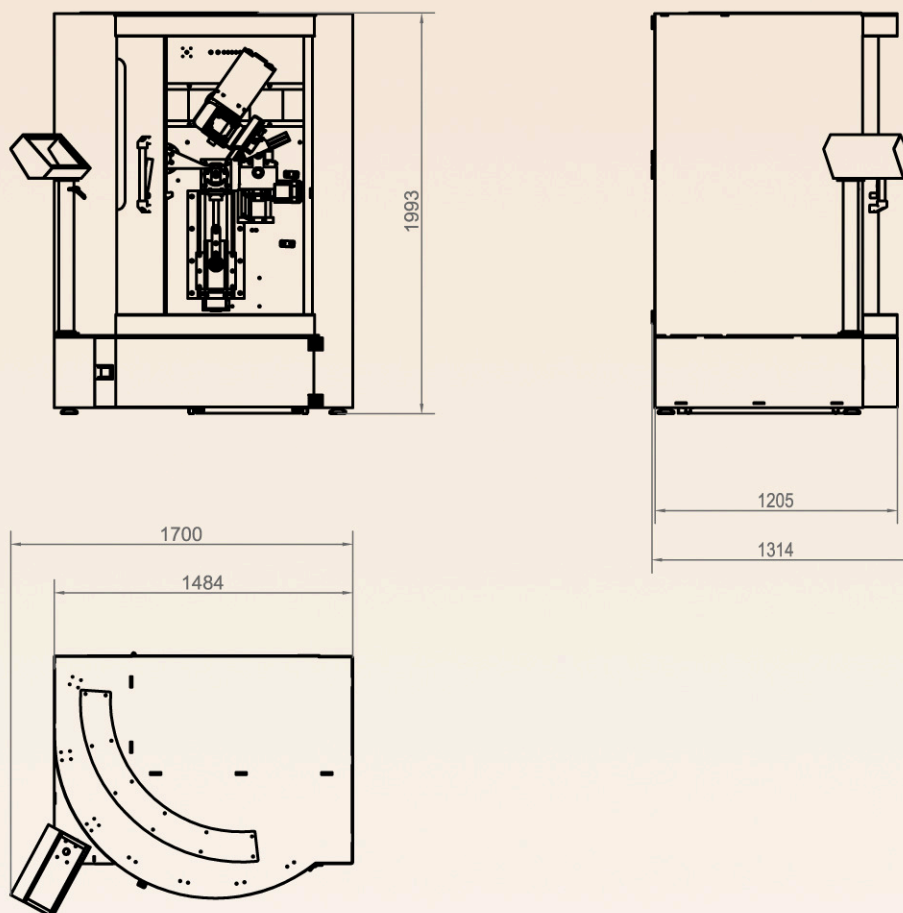
Alternately slanted teeth sharpening



Sharpening of trapezoidal teeth



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Tooth Designer



Free applications for your NBS machine



Remote Display

### Technical specification

Diameter of circular saw blade	100 – 800 mm
Tooth pitch	3 – 50 mm
Tooth depth – max.	20 mm
Face angles	0° – 30°
Back tooth angles	0° – 20°
Working speed	100 – 5000 mm/min.
Grinding wheel max. speed via frequency inverter	50 m/s
Grinding wheel diameter	250 mm
Diameter of the shaft of grinding wheel	32 mm
Breadth of the grinding wheel	6 – 10 mm
Compressed air – min.	6 bar
Compressed air volume	approx. 1 m <sup>3</sup> /shift

### Motor specifications

Spindle motor with frequency inverter	0.55 kW
Servo motor X – vertical axis	0.40 kW
Servo motor Y – transverse axis	0.40 kW
Servo motor Z – horizontal axis	0.40 kW
Pump motor	0.55 kW
Saw blade up/down motor	0.060 kW
Dressing wheel motor*	0.060 kW

### Machine dimensions

Width	1500 mm
Depth	1300 mm
Height	2000 mm
Weight	1400 kg