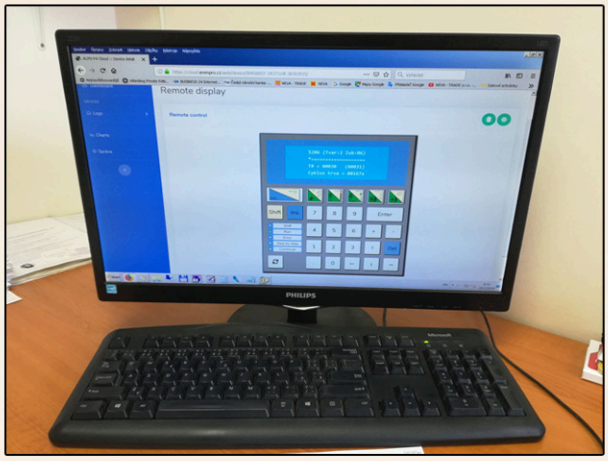
WORLD LEADER SINCE 1793

NBS 82 for CNC Sharpening of Saw Blades & Band Saw Blades

The next generation of CNC sharpening machines, the NBS 82 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 stellite, CV, bimetal and carbide-tipped saw blades up to 100 mm wide. It operates with ceramic, CBN or diamond grinding wheels using water cooling. Driven diamond dressing wheel with automatic cycle can be installed optionally 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.

Remote access



Advantages at a glance:

- Simple operation & short setup times
- Heavy duty machine design & Low noise and dirt generation
- Good cost / performance ratio & Opened programming of tooth form
- Coolant tank integrated in machine stand with good access
- A variety of tooth pitches can be ground with the same grinding wheel
- A better finish on the wood is achieved because each tooth is ground more accurately
- More saw blade re-grinds are achieved on the CNC grinder because of its accuracy and consistency The re-grinds will be consistent from one machine operator to another
- Electronic Hand wheel for even faster and easier adjusting and starting sharpening cycle
- Increased productivity of sharpening due to new patented feeding system.
- Machine mechanics behind the working area and separated from the wet sharpening process
- Even smoother sharpening results due to integrated spindle with frequency inverter and 250 mm grinding stone
- Optionally equipped by Driven diamond dressing wheel with automatic cycle in order to achieve stable and constant tooth profiles
- Remote access readiness - via RJ45 connection to the LAN and internet network

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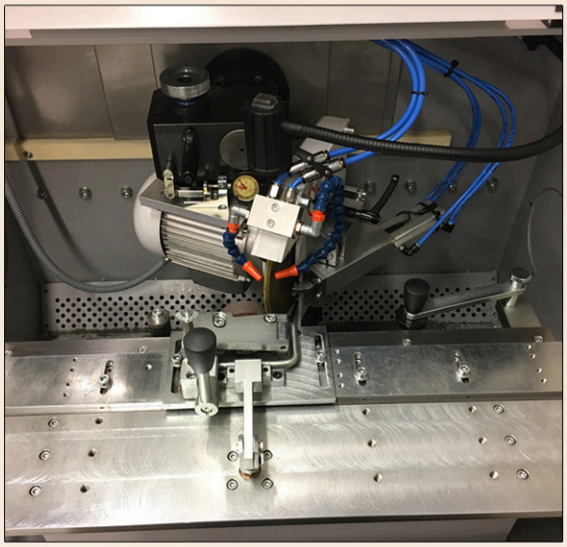

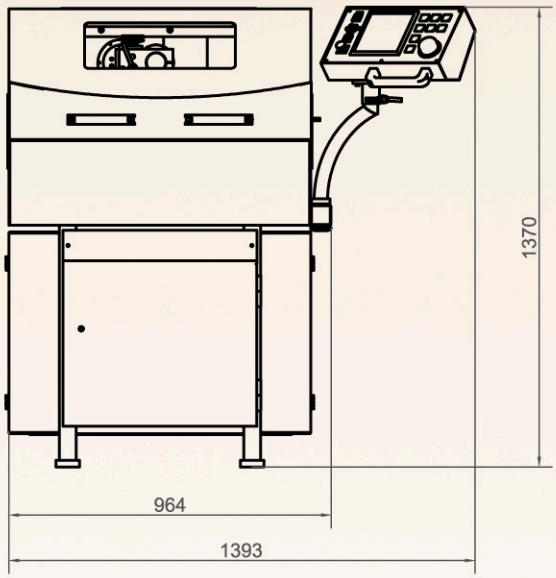

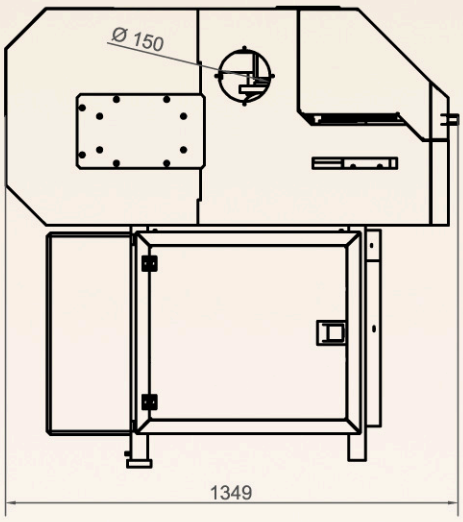

Technical specification	
Length of the saw blades	200 – 1000 mm
Thickness of body	0.5 – 3.0 mm
Tooth pitch	3 – 75 mm
Tooth depth – max.	15 mm
Face angles	0° – 25°
Back tooth angles	0° – 20°
Working speed	100 – 1000 mm/min.
Grinding wheel max. speed via frequency inverter	50 m/s
Grinding wheel diameter	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. 2 m3/h

Motor specifications	
Spindle motor with frequency inverter	0,55 kW
Servo motors	0,8 kW
Pump motor	0,155 kW
Dressing wheel motor*	0,060 kW
Machine dimensions	
Width	1393 mm
Depth	1349 mm
Height	1370 mm
Weight	600 kg

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