

NBS 200 for CNC Sharpening of Band Saw Blades

The next generation of CNC sharpening machines, the NBS 200 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 band saw blades up to 200 mm wide. It operates with ceramic, CBN or diamond grinding wheels using water cooling. Driven diamond dressing wheel with automatic cycle is installed as a standard equipment 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.

The grinding cycle is controlled via CNC servo motors; with the result that the saw tooth dynamics remain consistent. NBS 200 incorporates a coolant reservoir and spray system which helps to keep the saw blades cool during grinding.



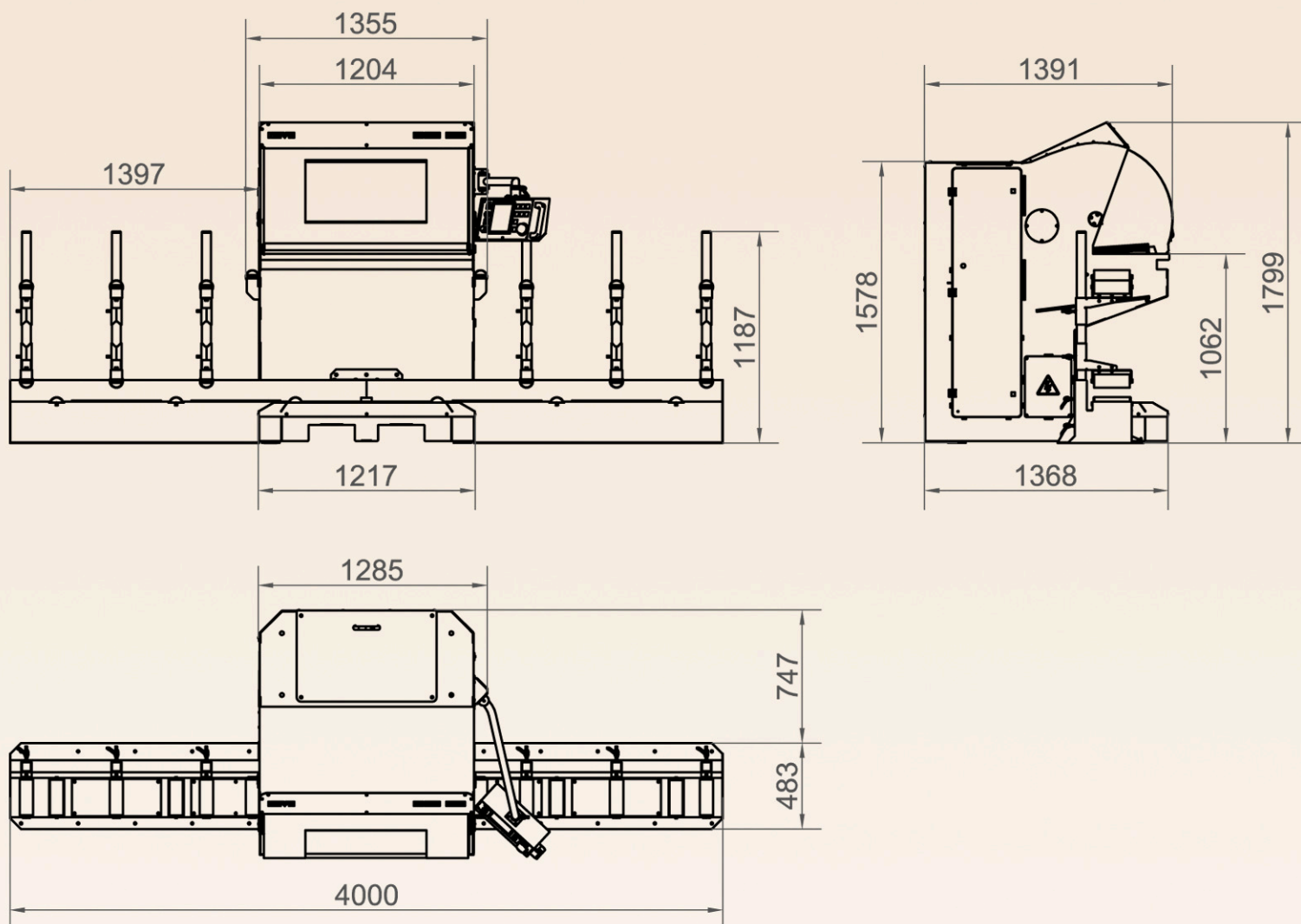
Constant pitch sharpening



Variable pitch sharpening



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Tooth Designer



Free applications for your NBS machine



Remote Display

Technical specification

Band saw blades length	3500 – 10000 mm
Band saw blades width	40 – 200 mm
Thickness of body	0.5 – 3.0 mm
Tooth pitch	3 – 75 mm
Tooth depth – max.	15 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 (350) mm
Diameter of the shaft of grinding wheel	32 (50) 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 (3.00) kW
Servomotor Z – horizontal*	0.40 (0.75) kW
Servomotor X – vertical	0.40 kW
Servomotor A – feeding finger*	0.40 kW
Pump motor	0.55 kW
Dressing wheel motor*	0.060 kW

Machine dimensions

Width	4000 mm
Depth	1400 mm
Height	1800 mm
Weight	1200 kg