



Product information

GPA 200

CNC machine for automatic stellite tipping
for band, gang and circular saw blades

GPA 200



Compact design: all components integrated.

Proven technology for high quality

The GPA 200 stellite tipping machine is used for tipping your band, gang and circular saw blades using the plasma welding technique. Plasma welding with inert gas guarantees a strong fusion between stellite and substrate.

In addition to this sophisticated technology, the GPA 200 is distinguished for its robust design, simple operation and cost-performance ratio. The high uptime availability and operating reliability of the machine makes it the ideal stelling solution for all applications, whether in the saw-mill, sharpening shop or saw production plant.

Intelligent details

The solid central block makes the GPA 200 extremely robust, precise and resistant to vibration. And all this comes with compact dimensions and optimal functionality! The cooling system, welding apparatus and annealing station unit are fully integrated in the machine. The swivelling hood with its large window provides effective protection against dirt and allows convenient loading of the saw blades and visual inspection of the machining process when closed.

Simple operation

VOLLMER's easy-to-learn operating system and the simple vertical adjustment of the saw blade mounting fixtures pay rapid dividends in day-to-day operation, as do the ergonomically positioned control elements. The CNC-controlled tooth feed system allows ultra-precise positioning of the saw blade.

Thanks to an innovative technique, the raw tooth already assumes the shape of a ground tooth during the stellinging process – an ideal condition for short grinding times. The welding torches, which are available in two different power levels (250 A and 150 A) can be exactly positioned, also help ensure a perfect result. The CNC-controlled stellite feed from coil or bar stock brings a major boost to the working speed, with much less need for supervision. This in turn increases economic efficiency.



Clear and simple menu system according to the tried-and-tested VOLLMER standard.



For optimal saw tooth condition: the integrated annealing station (optional).



Welding torch available in two power levels (fig. left: 250 A, fig. right: 150 A).



Molten stellite application in forming jaws ensures economic use of material and short grinding times.



Efficient use of material thanks to coil or bar-type stellite feed.

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Technical data at a glance:

- Band saw blades
 - Blade width 120 to 360 mm
(option: narrower band saw blades on request)
 - Blade length
 - with central mounting device 6 to 11 m
 - with stands up to 18 m
 - Blade thickness from 0.6 mm
 - Tooth pitch 10 to 100 mm
 - Hook angle 10° to 40°
- Circular saw blades
 - Outer diameter 220 to 900 mm
 - Bore diameter 18 to 110 mm
 - Blade thickness 1.0 to 6 mm
 - Tooth pitch 10 to 40 mm
 - Hook angle 10° to 40°
- Gang saw blades
 - Blade width 80 to 200 mm
 - Blade thickness from 1.6 mm
 - Tooth pitch 10 to 100 mm
 - Hook angle 10° to 40°
 - Tooth length up to 1500 mm
- Mini gang saw blades
 - Blade width from 35 mm
 - Blade thickness from 0.5 mm
 - Tooth pitch 10 to 100 mm
 - Hook angle 10° to 40°
 - Tooth length up to 730 mm
- Working speed up to 10 T/min
- Connected load
 - without annealing station 6.3 kVA/5.0 kW
 - with annealing station 8.5 kVA/7.1 kW
- Weight approx. 1350 kg

Highlights:

- Tipping of teeth by plasma welding technique.
- Tipping of circular, band, gang and mini gang saws possible.
- All components integrated in machine: welding unit, complete cooling system, annealing station (optional).
- Sturdy machine structure based on central block.
- Optimal handling procedure for setting up saw blades.
- Takes stellite coils or bars diameter.
- Accurate shaping of cutting teeth in forming jaws allows highly economic use of stellite and short grinding times.
- Welding torch adaptable to operating conditions (2 torch types).
- Monogas and bigas operation possible.

Dimensions

