



SATURN MACHINE
KNIVES®

GRINDING MACHINE FOR KNIVES AND BLADES

ZX



The grinding machine model ZX is available in two versions: with a grinding length of 1000 mm or 1230 mm. With the rotating magnetic chuck it is ideal for sharpening chipper knives (for wood chipping machines) and blades for recycling (plastic granulating knives). It can also sharpen planer blades, profiled carbide inserts (with the optional special high power magnetic chuck) and disposable planer blades like Tersa blades (with appropriate optional clamping device).

The main features:

- Cast iron machine tank;
- Grinding wheel motor 1.5 kW (2 HP), grinding wheel speed 2800 rpm, grinding wheel 127mm diameter;
- Automatic downfeed grinding head with automatic stop at preset height;
- Possible to incline the grinding head in order to produce a concave grind;
- Replaceable hardened steel carriage guides;
- Rotating chuck from 0° to 90°;
- Cooling system;
- Chain driven carriage.

Upon request:

- Machine base;
- Magnetic chuck;
- Grinding motor 2.2 kW (3 HP) with grinding wheel speed 2800 rpm, grinding wheel 127mm diameter;
- Variable carriage speed 1-11 m/min;
- Edge reference alignment bar;
- External coolant tank with pump;
- Switch for run adjustment;
- Clamping device for Tersa, Centrofix, Terminus, Kanefusa, Sinus, Weinig knives;
- Magnetic chuck for hard metal inserts.



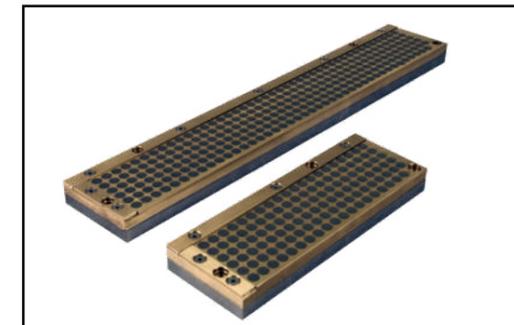
External coolant tank with pump



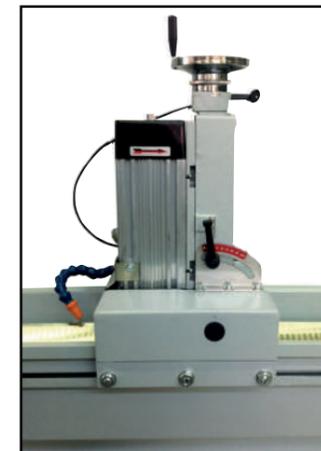
Edge reference alignment bar



Diamond and CBN grinding wheels



Open field magnetic work surface



Grinding head



Magnetic chuck

	ZX1000	ZX1230
Grinding length	1000 mm	1230 mm
Chuck width	100 mm	100 mm
Grinding wheel motor power	1,5 kW	1,5 kW
Grinding wheel speed	2800 rpm	2800 rpm
Clearance between grinding wheel and chuck	30 mm	30 mm
Grinding wheel diameter	Ø127 / Ø150 mm	Ø127 / Ø150 mm
Minimum partial downfeed	0,01 mm	0,01 mm
Carriage speed	11 m/min	11 m/min
Variable carriage speed (optional)	1/11 m/min	1/11 m/min
Overall machine dimensions	1900x560	2050x560



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