

SERDI MGM 1000

Heads & Block Milling Machine

The SERDI MGM 1000 is design to **mill** and **grind** cylinder **head planes** or **small engine blocks** in aluminum or cast-iron.

Structure optimized by **static** and **dynamic calculation**, withstanding widely diverse vibratory rates.

- High-inertia gantry type structure.
- Work head moving along two axes, carried by guiding rails fitted pre loaded linear ball bearing and guide way assemblies.
- Control of the crossbar travel (axis x) by preset ball screw and servomotor.
- Spindle motor integrated in the work head driven by a vector-controlled frequency inverter resulting in high torque, even at low speed.
- Double angular contact bearing for big diameters. Dilatation compensation on the top of the motor.
- Mobile table on air cushion, totally retractable under the crossbar.
- Automatic travelling cycle with variable speed to work with grinding stones. Travel limited by adjustable stops.



Complete grinding holder wheel with disappearing one teeth miller



One teeth miller



Axes mounted on guiding rails fitted with pre-loaded driving system through ball screw



Universal clamping fixture

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