

High Performance-
efficient and effective

**Gx-Range
Gantry**

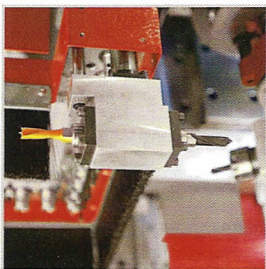
IMA

BIMA Gx 30



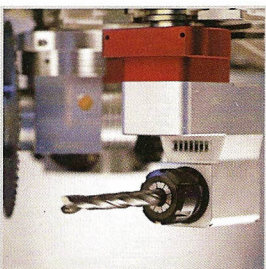
Picture: BIMA Gx 30 (picture may show additional options)

Innovation!



The new compact class of the BIMA Gx30 series opens up new dimensions in the production quality of your products.

The highly dynamic low-vibration gantry drive with its servomotors on both sides of the portal frame moves the X axis of the machine in a master-slave configuration, and keeps its dynamic and low-vibration capabilities even with heavy-duty machining requirements and high acceleration ramps. The machine bed, made of a concrete-steel combination, allows for the required stiffness and oscillation damping. This improves the machining quality and increases the tool life, both of which are clear advantages for every user.

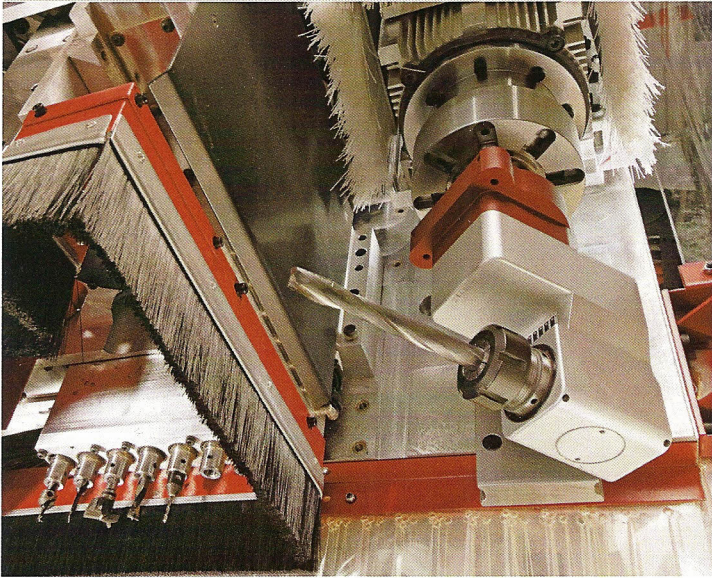


Two Z axes and an 8-station tool changer travelling with the head assembly in X and Y directions optimize availability and minimize tool change times.

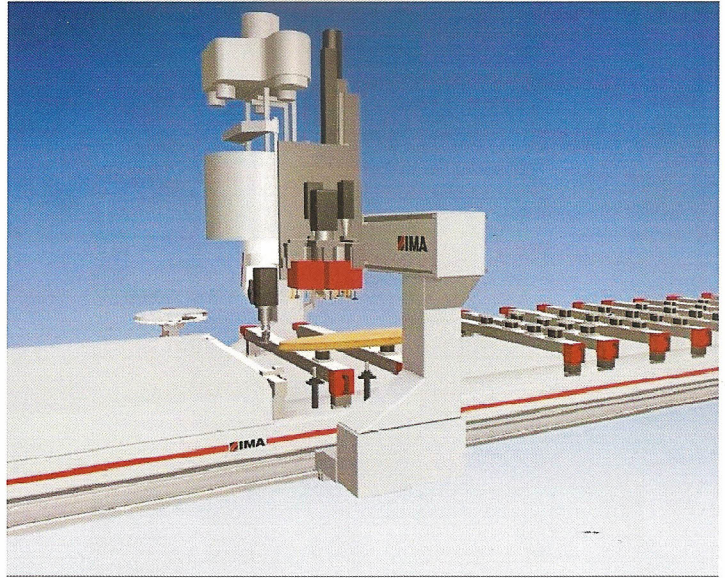
The compact machine structure with electrical cabinets, vacuum pump and energy supply of the consoles integrated in the machine establishes an optimal ergonomic work environment.

English

BIMA main spindle with flexible unit technology



3-D simulation on the workpiece including collision monitoring (optional)



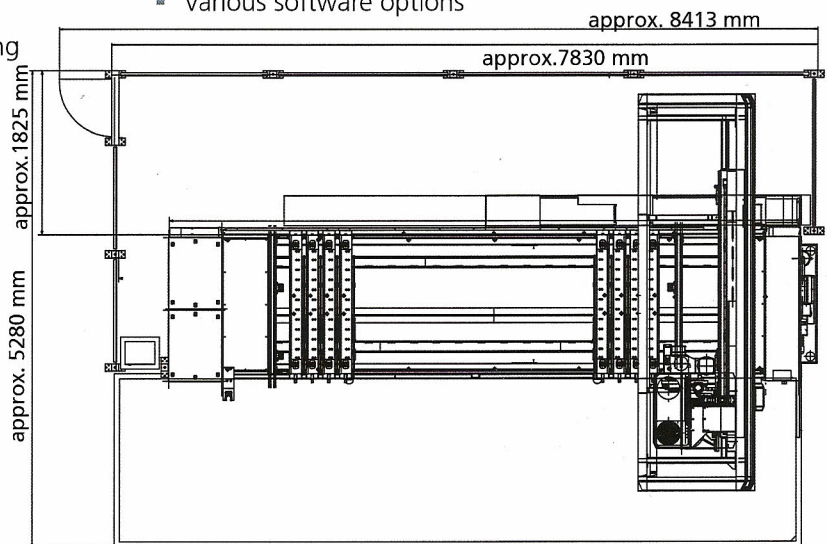
BIMA Gx 30 = high power and flexibility for maximum production quality of your products

Gx 30 Features:

- Table size: X = 3300 / 4300 / 5300 / 6300 mm;
Y = 1300 mm
- 800 mm wide waste outfeed conveyor
- 2 CNC Z axes
- Drilling head with 21 vertical drill spindles and 4x2 horizontal drill spindles with integrated grooving saw rotatable through 90°
- Extraction shoe for the vertical drill spindles and chip & dust extraction of the horizontal spindles integrated in the drilling head
- 10 or 16 kW main spindle, vector-controlled
- 360 ° C axis, fully interpolating
- Console table with hoseless two-circuit workholding system and LED vacuum block positioning aid
- 8-station tool changer travelling with the machining head in X/Y directions
- Automatic centralized lubrication
- Tool pick-up position fixed-mounted to the base frame, for adapter units and drilling/milling tools
- Beckhoff ICOS CNC controller
- Latest version of the programming software IMAWOP 8.0
- Air-conditioned control cabinets
- UPS
- Imageable hard disks
- USB port on the mobile control panel

Other equipment features:

- 18-station tool change carousel travelling with the head assembly in X direction
- 2 pick-up positions travelling with the machining head in X direction
- 8-station linear tool changer fixed-mounted to the machine worktable
- Multiple workpiece loading due to 2nd row of stops
- Miscellaneous adapter units
- Optional Vario-NC tool change (on the optional linear tool changer)
- Multiple workholding device
- Frame and special workpiece-holding fixtures
- Various software options



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Subject to technical modifications and amendments and to further developments. The offer, respectively the order confirmation is relevant in either case! The picture of the machine could have been taken without complete protection devices. The protection device is part of the scope of delivery. Photos could also be options, not being part of the scope of delivery.