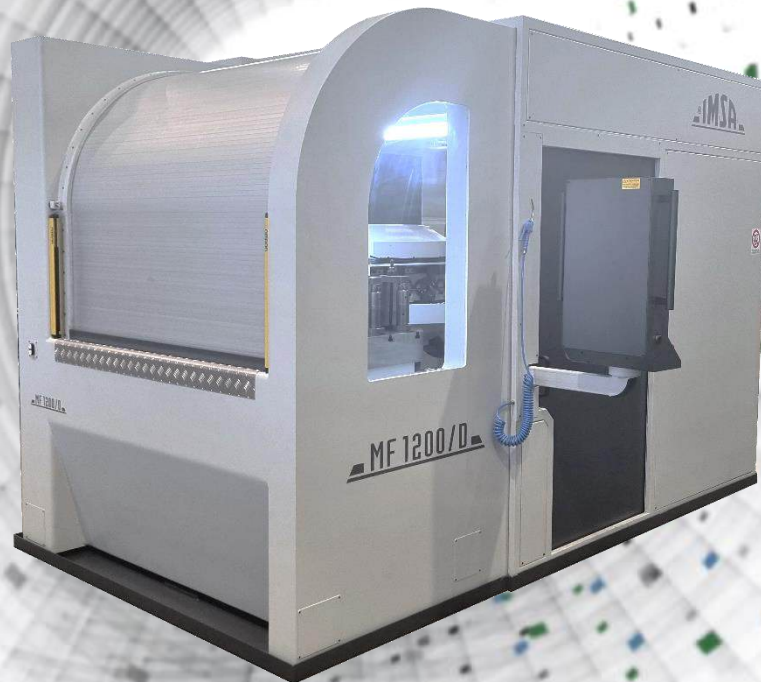# Gun drilling machine

MF 1200/D

MF 1200 D is a CNC machine with 4/5 axes for deep drilling by gun drill tool, in molds and blocks up to 4 tons. Swing clearance 1.250 mm, table load 4.000 kg. MF 1200 D can be equipped with standard fixed table (4 CNC axes) or optional rotary table (5 CNC axes).

Structure rigidity thanks to our vertical gantry column, guided at its upper and lower end. The machine self-supporting structure doesn't require any floor foundation.

Deep drilling method: by gun drill tool, from solid material; for optimal performance the gun drill is guided by autofocus steadyrests and by a nose bushing pushed against the workpiece; oil is automatically filtered and cooled.

Gun drilling spindle power 9 kW; 3 steadyrests support the tool in order to drill a length up 160x the diameter, up to 1.200mm; optimal drilling dia. range 4-25 mm solid, up to 32 mm in counter-boring.

Safety during drilling is guaranteed by a double electronic check of the cutting parameters: if the cutting or pushing effort exceeds the programmed value, the machine stops drilling.

IMSA®

MF 1200 D

LINEAR AXES

Drilling depth in single operation, L160xØ, max.	V axis	1.200 mm
Gantry column horizontal movement	X axis	1.100 mm
Headstock vertical movement	Y axis	500 mm
Approach to workpiece	Z axis	500 mm

STANDARD TABLE

Fixed table size	1.000 x 1.200 mm
Table load max.	4.000 kg
Standard T-slots	18 mm

[OPTION] CNC-ROTARY TABLE

Rotary table size		800 x 900 mm
Table load max.		4.000 kg
Table rotation, infinite position	B axis	360.000 pos./rev.
Standard T-slots		18 mm

GUN DRILLING SPINDLE

Optimal drilling diameter, solid, min-max	4 – 25 mm
Optimal drilling diameter, in counter-boring, max.	32 mm
Drilling spindle speed, adjustable	0 – 6.000 rpm
Drilling spindle motor power	(S1) 9,0 kW
Tool center oil passage, pressure max.	120 bar
Tool center oil passage, self-regulated flow, max	60 lt/min
Oil temperature adjusted by chiller	25 - 30°C
Oil filtering unit	16 micron

Technical data can be modified for improvements without notice.