



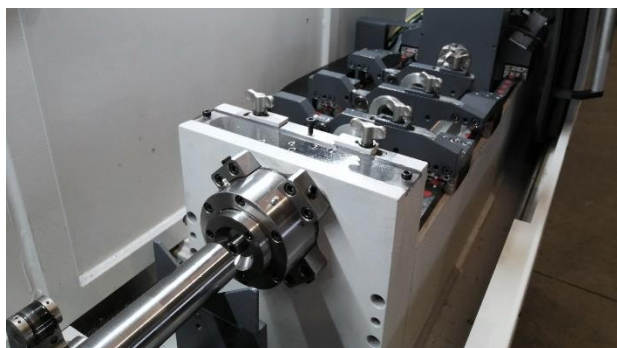
MFT 600/ 12 EVO

Deep drilling machine

Shaft centerline drilling

Workpiece in counter-rotation

Single spindle



The IMSA deep hole drilling machines of the MFT Series are dedicated to cylindrical workpieces that have to be drilled on their rotation axis.

The workpiece is in counter-rotation in respect to the tool, in order to obtain the maximal drill straightness and process speed.

Deep drilling method: by gun drill tool.

Drilling diameter range: from 2 to 12 mm.

Drilling depth in single operation:

- for small diameters up to 3 mm: max. drilling depth is 40÷50 times the diameter, with spindle extension bar and whole gun drill into the chip box;
- for the diameters from 3 to 12 mm: max. drilling depth 160 times the diameter, with gun drill supported by steady rests.



SPECIFICATIONS - MFT 600 /12 EVO

Machinable Workpieces

Maximum workpiece length	600 mm
Minimal workpiece length	depending on tooling
Max workpiece diameter, without a workholding steadyrest	150 mm
Max workpiece diameter with workholding steadyrest (option)	101 mm

Gun Drilling Spindle

Drilling spindle motor power	7,0 (S1) kW
Spindle motor torque	50,0 Nm
Spindle speed	0 – 10.000 rpm
Min – max drilling diameter	(1,5...) 2–12 mm
Max. drilling depth (160 volte il diam.)	max. 600 mm
Gundrill standard connection (and reduced)	Ø25xL70 mm (Ø10xL40 mm)
Extension bar in chip box (for drill Ø < 3mm)	ER16

Oil

Max oil pressure	140 bar
Max oil flow	30 l/min
Pump motor power	11,00 kW
Oil tank capacity	600 lt.
Oil temperature	25-32°C
Chiller motor power	7,6 kW

Counter-rotating contrast head

Contrast head rotation max	150 giri/min
Workholding travel	75 mm

Machine size

Footprint	~ 3.750 x 2.050 mm
Machine weight	~ 3.800 kg



I.M.S.A. srl - Via Don G. Dell'Acqua, 2/D - 23890 Barzago (Lecco) - Italy
 Tel. +39 031 860444 - info@imsaitaly.com - www.imsaitaly.com