

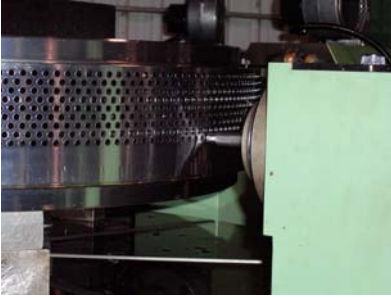


Special purpose CNC Gundrilling machine developed for the manufacture of Pellet Extruding Dies

A series of deep hole drilling machines in the drill diameter range 1.6 – 12mm and drilling depths up to 150mm for drilling. Machines can be provided in 4, 6, 8, 12 or 16 spindle configurations depending on drill diameter specification. Mollart have developed these machines for fully unattended running with features such as operator pager calling should the machine detect a process problem.

All Mollart Machines meet with the latest **CE** specifications and are supplied fully guarded.

Machine Features & Options



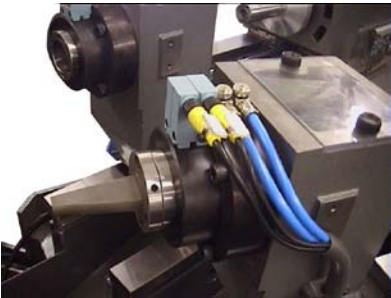
Dies from 400mm outer diameter to 1500mm outer diameter on the one machine. With all "Chip to Chip" times as low as 3 seconds.



Multiple installation being served by one common coolant system.



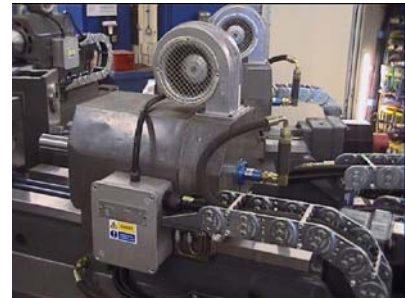
GE Fanuc CNC Control System with programmable spindle feed rate, drilling depth & Process Monitoring and special Mollart features to assist efficient die production.



Each unit is fitted with sensing switches to enable the machine to seek the die and set the distance before drilling.



Mollart developed drilling spindle with ceramic bearings for spindle speeds up to 14,000 RPM.



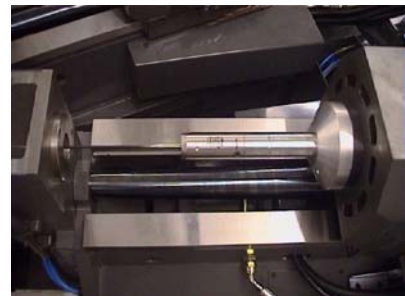
Rigid mounted rotating coolant union with pop off facility



Machines fitted with full guarding with access doors to enable loading of components and tool changing.



Work holding options including manual 3 jaw self-centring chucks or hydraulic clamping fixture as an option if required.



Traditional square way designs to give maximum rigidity for maximum tool life and machine longevity.

Specification

Number of Spindles	4, 8, STANDARD (6, 12 or 16 OPTIONAL)
Gundrilling Diameter Range	1.6mm – 6mm or 2 – 12mm
Maximum Drilling depth	150mm
Maximum die outside diameter	1500mm
Minimum die outside diameter	400mm
Y Axis traverse	400mm nominal
B axis	Full Fourth Axis +/- 6 sec repeatability
Maximum Weight on Table	2500kg
Spindle Nose Bore	10mm (Collet Type)
A.C. Spindle Motor Power	4kW Continuous
Spindle Speed Range (A.C. Infinitely Variable)	0 - 14,000 RPM (OPTIONAL 0 – 10,000 RPM)
Drill Feed Range (A.C. Infinitely Variable)	0 - 1000mm per minute
Rapid Traverse Speed	10m/min
Tool Kit	Spindle Spindle Spanner
Floor Area of Machine	Dependant on machine Variant
Weight of Machine	Four head = 8000Kg Eight head = 10,000Kg
Electrical Supply	400 Volts, 3 Ph, 50 Hertz. (460 Volt 60 Hz available as option.)
Control Voltage	24 Volts DC
Rated Supply Current	63 Amps
Control System	GE Fanuc Powermate 'iH'
Mollart Software including Monitoring	Spindle & Feed Power Coolant Pressure
Machine colour	Dark Grey base RAL 7043, Light Grey Guards RAL 7004 & Yellow opening doors and tread plates RAL 1003. Other colours optional at extra cost.

All specifications subject to change without prior notice.

Contact details

MOLLART ENGINEERING LTD

Headquarters • Deep Hole Drilling Machines Manufacturing • Subcontract Deep Hole Drilling with full CNC Machine Shop back-up for complete parts • Exclusive UK Agent for BOTEK Deep Hole Drilling Tools - Gundrills, BTA & Ejector

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Deep Hole Drilling Machine Range



drillsprint

1-4 spindle light-duty Gundrilling machine developed for the production drilling of shafts with deep holes in the drill diameter range 2-25mm



omnisprint

Multispindle 3-axis Knee type Gundrilling machine for off-centre drilling in the drill diameter range 2-25mm



MD Boremaster

1 or 2 spindle medium-duty Gundrilling machine in the drill diameter range 5-50mm and drilling depths up to 2000mm for centre-line drilling of shafts



MD Boremaster

4-8 spindle medium duty Gundrilling machine in the drill diameter range 5-20mm and drilling depths up to 2000mm for centre-line drilling of shafts



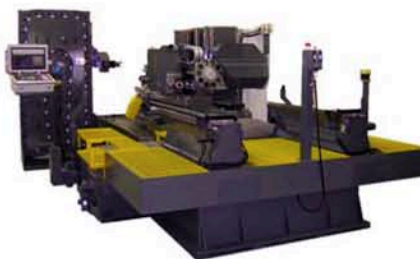
HD Boremaster

1 or 2 spindle heavy-duty BTA drilling machine in the drill diameter range 18-150mm and drilling depths up to 3 metres for centre-line drilling of shafts



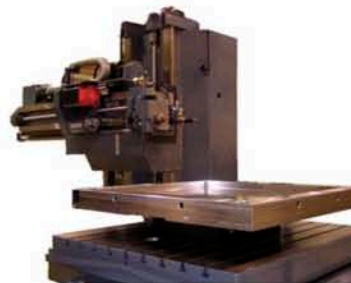
microdrill

A series of deep hole drilling machines specialising in the diameter range 0.6mm - 6mm. Machines can be provided in 2 or 4 spindle configurations



FMC

Flexible Machining Centre for gundrilling, milling and tapping prismatic parts such as mould and heat exchanger plates and hydraulic manifolds.



prismabore

Large capacity machine for gundrilling and milling of mould and heat exchanger plates, hydraulic manifolds and cylinders for rolling mills



Pellet Die

Special purpose CNC Gundrilling Machine for drilling pellet-extruding dies. 2 - 16 Spindles and up to 36,000 holes in one workpiece