



DEEP HOLE DRILLING & ENGINEERING SOLUTIONS

## ***MD1 / MD2 Medium Duty Gundrills***



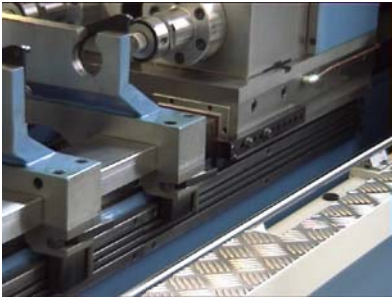
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### **Multispindle Gundrilling machines developed for the production of shafts with deep holes**

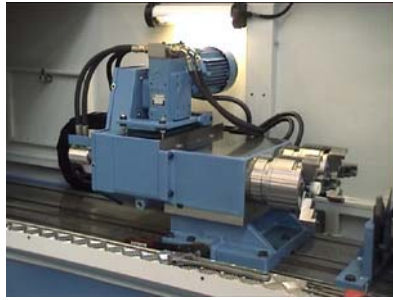
A range of multispindle deep hole drilling machines in the drill diameter range 5–50mm and drilling depths up to 2000mm for centre-line drilling of shafts. Machines can be provided in 1 or 2 spindle configurations depending on drill diameter specification.

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

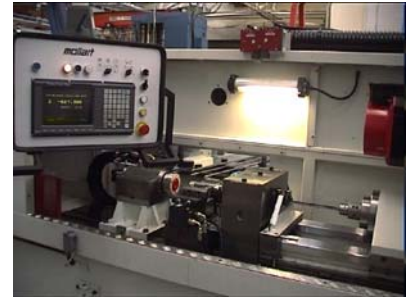
## Machine Features & Options



*CAM-operated Auto-whipguide positioning*



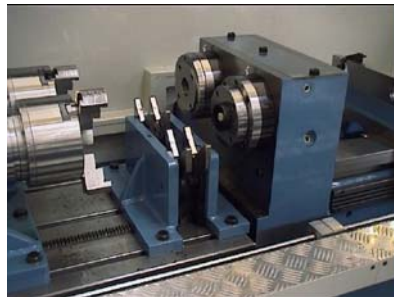
*Counter rotation assembly fitted with Hydraulically powered Tailstock Chucks*



*GE Fanuc CNC Control System with Mollart custom programming for simple set up, programmable spindle speeds, feed rate, drilling depth & Process Monitoring*



*Coolant systems with options for centrifuge and filtration media types*

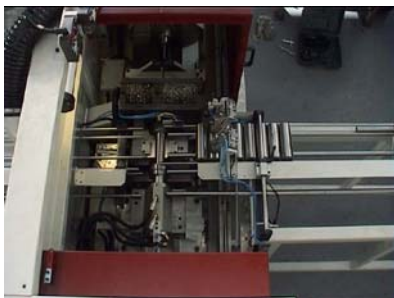


*Special heavy weight loading 'V's to aid simple machining cycle.*



*Component Autoloading Solutions to include gravity tracks for simple components up to full robot interface.*

## Applications



*Helicopter Gearbox Parts*



*Gantry Loaded Rockbit components*



*Turbine shafts*

## Specification

<b>Number of Spindles</b>	1 or 2
<b>Gundrilling Diameter Range</b>	5mm – 32mm (up to 50mm Optional)
<b>Maximum Drilling Depth</b>	750mm (Optional 1500mm)
<b>Maximum Component Length</b>	850mm (Optional 1600mm)
<b>Worktable Dimensions</b>	900 x 300mm
<b>Spindle Nose Bore</b>	25mm std collet type (optional 36mm)
<b>Spindle Centre Height from Table</b>	200mm
<b>Maximum Workpiece Diameter for Autoloading Assembly</b>	On application
<b>A.C. Spindle Motor Power</b>	22kW Continuous (1 motor x 2 Spindles)
<b>Spindle Speed Range (A.C. Infinitely Variable)</b>	0 – 6000rpm
<b>Drill Feed Range (A.C. Infinitely Variable)</b>	0 – 1000mm/min
<b>Rapid Traverse Speed</b>	10m/min per minute
<b>Feed Motor Power (Stall Torque)</b>	12Nm
<b>Max. Workpiece Diameter with Chuck on Work Rotation Option</b>	100mm (External Jaws) 32mm (Bore Size)
<b>Max. Workpiece Diameter with Cone Locator System on Work Rotation Option</b>	72mm
<b>Work Rotation Speed</b>	100rpm
<b>Work Rotation Motor</b>	0.75kW
<b>Tool Kit</b>	Set of Allen Keys & Spindle Spanners
<b>Floor Area of Machine</b>	3000 x 1500mm
<b>Weight of Machine</b>	4100 Kg
<b>Electrical Supply</b>	400 Volts, 3 Ph, 50 Hertz. (460 Volt 60 Hz available as option.)
<b>Control Voltage</b>	24 Volts DC
<b>Rated Supply Current</b>	150 Amps
<b>Control System</b>	GE Fanuc Powermate 'iD'
<b>Mollart Software including Monitoring</b>	Spindle & Feed Power Coolant Pressure
<b>Machine colour</b>	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 are 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



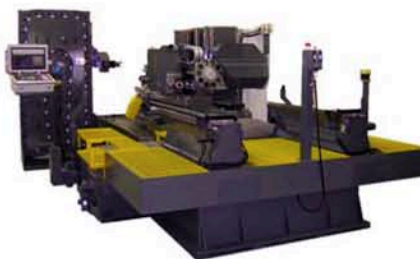
### **HD Boremaster**

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



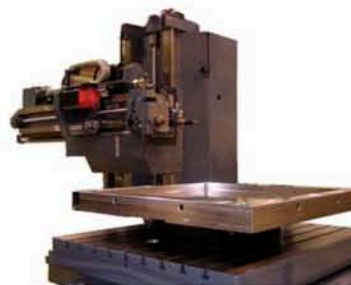
### **microdrill**

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