



Universal Gundrilling Machine with options to cover a wide range of deep hole drilling applications

A series of deep hole drilling machines in the drill diameter range $\text{\O}2\text{-}\text{\O}25\text{mm}$ and chose drilling depths of either 750mm, 1200mm or 1500mm for centre-line drilling on shafts. Machines can be provided in 1, 2, 3 or 4 spindle configurations depending on drill diameter specification.

All Mollart Machines meet with the latest $\text{\text{C}}\text{\text{E}}$ specifications and are supplied fully guarded.

Machine Features & Options



750mm Drilling Depth Version



1500mm Drilling Depth Version



Fanuc CNC Control System with programmable spindle feed rate, drilling depth & Process Monitoring



Work rotation Units for maximum concentricity between bore & outer diameter. Parts can also be fixtured on the machine table



CAM-operated Auto-whipguide positioning



Turnkey Solutions with gantry system as part of the machine.

Applications



The Drillsprint specialises in gundrilling shafts using counter-rotation units to produce concentric bores where the wall thickness of component is critical, or alternatively tooled with table mounted fixturing for prismatic parts.



Autoloading of a Windscreen Wiper Shaft. A $\text{Ø}3\text{mm} \times 150\text{mm}$ hole was Gundrilled to allow Washer Fluid to be pumped through into to washer jets mounted on the Windscreen Wiper Blade Arm. The Feeder unit has the capacity to operate for one full shift.



Sporting rifle barrels are fed through the machine with an automatic conveyor that indexes the parts through after drilling. The range of parts were drilling diameters from $\text{Ø}5 - \text{Ø}10\text{mm}$ and lengths from 300mm - 750mm and bar max $\text{Ø}40\text{mm}$

Specification

Number of Spindles	1, 2, 3 or 4
Gundrilling Diameter Range	Ø2mm - Ø25mm Single Spindle Ø2mm - Ø16mm Twin Spindle Ø2mm - Ø12mm Three Spindle Ø2mm - Ø12mm Four Spindle
Maximum Drilling Depth	750mm (Optional 1200mm & 1500mm)
Maximum Component Length	850mm (Optional 1300mm & 1600mm)
Worktable Dimensions	Machine dependant
Spindle Nose Bore	Ø25mm (Collet Type)
Spindle Centre Height from Table	200mm
A.C. Spindle Motor Power	7.5kW Continuous (serves two spindles)
Spindle Speed Range (A.C. Infinitely Variable)	0 - 6,000 RPM (Optional 0 - 10,500RPM)
Drill Feed Range (A.C. Infinitely Variable)	0 - 1000mm/min
Rapid Traverse Speed	10m/min
Feed Motor Power (Stall Torque)	Machine dependant
Max. Workpiece Diameter with Chuck on Work Rotation Option	Ø70mm (External Jaws) Ø32mm (Bore Size)
Max. Workpiece Diameter with Cone Locator System on Work Rotation Option	Ø72mm
Work Rotation Speed	75rpm
Work Rotation Motor	0.55kW
Tool Kit	Set of Allen Keys
Floor Area of Machine	3000 x 1500mm (750mm Machine)
Weight of Machine	3500kg (750mm Machine)
Electrical Supply	400 Volts, 3 Ph, 50 Hertz. (460 Volt 60 Hz available as option.)
Control Voltage	24 Volts DC
Rated Supply Current	64 Amps
Control System	Fanuc Powermate '35 iB'
Mollart Software including Monitoring	Spindle monitoring, Feed Power monitoring, Coolant Pressure monitoring
Machine colour	Dark Grey base RAL 7043, Light Grey Guards RAL 7004 & Red opening doors and tread plates RAL 3020. 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, Roller burnishing, hole deburring and back spot facing systems.

Address	Roebuck Road, Chessington Industrial Estate, Chessington, Surrey, KT9 1EU
Tel	+44 (0)208 391 2282
Email	mailto:sales@mollart.co.uk
Contact	Ian Petitt



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



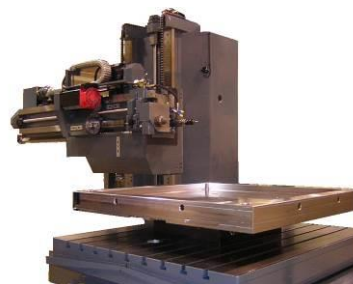
microdrill

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