

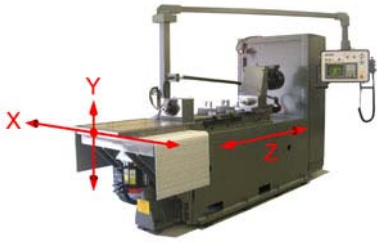


## **Multispindle 3-axis Knee type Gundrilling machine developed for off-centre Deep Hole Drilling**

A series of deep hole drilling machines in the drill diameter range 2–22mm and drilling depths up to 1000mm for off-centre drilling. Machines can be provided in 1, 2 or 3 spindle configurations depending on drill diameter specification.

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

## Machine Features & Options



*Knee Table Construction with X and Y Axis movement*



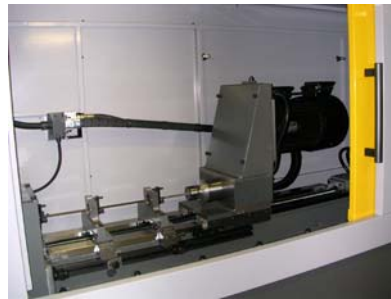
*Optional Pallet Loading Systems to suit various different applications.*



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



*Fully Enclosed Guarding System with other guarding options to suit auto loading options.*



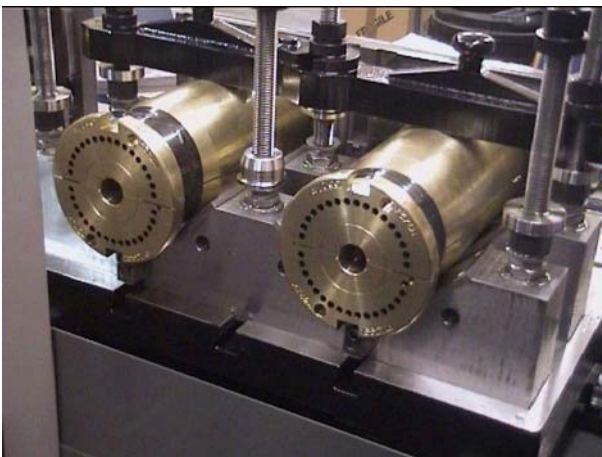
*CAM operated Auto-whipguide positioning*



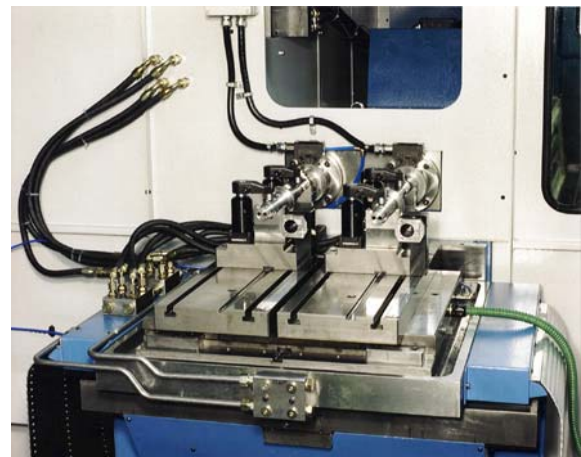
*Turnkey Solutions*

*Turbine Ring for Aero Engines using 5 axes (4 CNC & 1 Manual)*

## Applications



*The Mollart Omnisprint has many users in the Glass Bottle Mould Industry. The machine is used to gundrill hole patterns that are used to cool the glass once formed inside the mould.*



*Mollart designed and manufactured the machine fixturing, providing a complete turnkey solution to manufacture Hydraulically Powered Drive Shafts used in Earth Moving Equipment.*

## Specification

<b>Number of Spindles</b>	1, 2 or 3
<b>Gundrilling Diameter Range</b>	2mm - 22mm Single Spindle
<b>Number of Spindles</b>	1, 2 or 3
<b>Gundrilling Diameter Range</b>	2mm - 22mm Single Spindle
	2mm - 16mm Twin Spindle
	2mm – 12mm Three Spindle
<b>Z Axis Maximum Drilling Depth</b>	500mm / 750mm / 1000mm
<b>X Axis Cross Travel</b>	500mm
<b>Y Axis Vertical Travel</b>	300mm
<b>Worktable Dimensions</b>	600 x 750mm long
<b>Working Envelope</b>	750(L) x 500(W) x 300mm(H)
<b>Maximum Weight on Table</b>	1000kg
<b>Spindle Centre Height from Table</b>	40mm – 340mm
<b>Spindle Centre Distance</b>	150mm or 250mm (depending on configuration)
<b>Spindle Nose Bore</b>	25mm (Collet Type)
<b>A.C. Spindle Motor Power</b>	4kW Continuous
<b>Spindle Speed Range (A.C. Infinitely Variable)</b>	0 - 6,000 RPM (Optional 0 – 12000RPM)
<b>Drill Feed Range (A.C. Infinitely Variable)</b>	0 - 1000mm per minute
<b>Rapid Traverse Speed</b>	12m/min
<b>Feed Motor Power (Stall Torque)</b>	6Nm
<b>Tool Kit</b>	Spindle Spanner
<b>Floor Area of Machine</b>	Dependant on Guarding Variant
<b>Weight of Machine</b>	4500kg
<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>	63 Amps
<b>Control System</b>	GE Fanuc Powermate 'iH'
<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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<b>Contact</b>	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



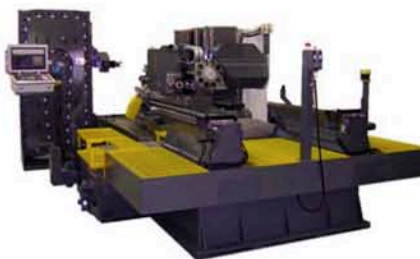
### **HD Boremaster**

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



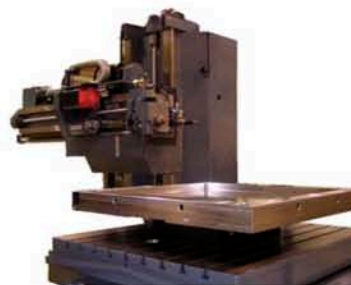
### **microdrill**

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