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Product Brochure For M8793

CNC Vertical Machining Centre - LG1000

ORDER CODE:	M8793
MODEL:	LG1000
X Travel (mm):	1000
Y Travel (mm):	510
Z Travel (mm):	630
Table Size (mm):	1150 x 510
Table Capacity (kg):	700
Spindle – Table (mm):	100 - 730
Spindle Taper:	BT40
Spindle Speed (rpm):	10,000
Spindle Motor (kW):	11
Rapid Traverse (m/min):	30 / 30 / 24
Guideways:	LMG
Tool Arm Type (No.):	24
Control:	Hartrol Plus
Programming:	Hartcam Conversational



Hartford

Made in Taiwan

1 YEAR WARRANTY

Description

Basic Specifications
• 1000, 510, 630mm X, Y, Z travels
• 1150 x 510mm table size
• 700kg table load capacity
• 30, 30, 24m/min X, Y, Z rapid feed rates
• 100 – 730mm spindle to table
• 10,000 rpm spindle speed
• 11kW spindle power
• 70Nm spindle torque
• BT40 spindle taper
• High precision wide span linear guide ways

Main Spindle
• 10,000 rpm heavy duty spindle
• 11kW spindle motor
• Air blast through spindle

CNC Control
• Hartrol Plus CNC Control
• Hartcam 2.5 Conversational Software
• 19” Touch Screen Colour LCD
• Rigid-synchronised tapping
• Helical interpolation
• High Speed Machining Function
• Ethernet Interface
• USB Port
• RS232 Interface
• Hartrol Enhanced CNC Software
• Spindle Load Monitoring
• Advanced Tool Register
• Advanced Workpiece Co-ordinate System

Axis Motors & Drives
• Mitsubishi servo drive amplifiers
• Mitsubishi high torque direct coupled AC digital servo motors
• Mitsubishi absolute position encoders (No Axes limit switches required)

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• High precision, wide span linear guide ways
• Fully supported table eliminating overhang
• Large diameter pretensioned precision reciprocating ballscrews
• Automatic lubrication equipment

Tool Changer
• High-speed arm type automatic tool changer
• 24 tool bi-directional magazine
• Side mount fully enclosed tool magazine

Coolant System
• Flood coolant
• High pressure through spindle coolant 20 bar
• Fully enclosed chip & coolant shield
• Coolant Gun

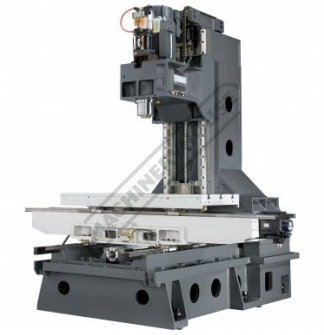
Electrical
• Door safety interlock switch
• Heat exchanger for electrical cabinet
• Line filter
• Transformer

Swarf Removal
• Base chip flushing
• Screw type external chip conveyor

Operation
• Remote MPG (Portable Hand Wheel)
• Control panel with > 90° swivel
• 3 tier operation patrol lamp
• Work light
• Machine operating & maintenance manuals
• Controller manuals on CD
• Electrical schematics
• Tool box

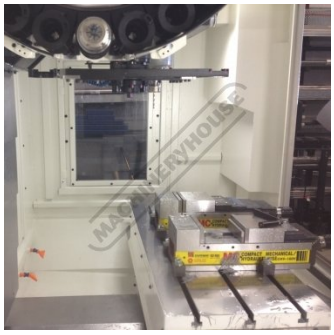
Automation
• Control prepared to accept Rotary Table – 4th Axis

Specific Features


LG Frame


Spindle


ATC


LG with Safeway Vices

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Hartrol Plus Main Screen



Hartrol Plus P2 Controller