Sydney: (02) 9890 9111
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sales@machineryhouse.com.au
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Product Brochure For M910

Optimum CNC Machining Center - F300 OPTi-Mill

(X) 1100mm (Y) 650mm (Z) 650mm
Siemens 828D with Shopmill



ORDER CODE:	M910
MODEL:	F300
Travel (X Axis) (mm):	1100
Travel (Y Axis) (mm):	650
Travel (Z Axis) (mm):	650
Rapid Traverse (X, Y, Z Axis) (m/min):	36
Motor Torque (X & Y Axis) (Nm):	20
Motor Torque (Z Axis) (Nm):	36
Table T Slot (size/distance/number) (~):	18mm / 125mm / 5
Position Accuracy (mm):	0.01
Automatic toolchanger (Pockets):	24
Spindle Taper:	BT40
Spindle Speed Range (rpm):	80-10000
Spindle Motor Torque (Nm):	70Nm
Motor Power (kW / hp):	11 / 15
Voltage / Amperage (V / amp):	415
Dimensions (mm):	2850 x 2450 x 2600
Nett Weight (kg):	5000

OPTIMUM

1 YEAR WARRANTY

NO PLUG 415V

Description

Designed and Engineered in Germany the OPTIMUM CNC range is a market leader in Europe and is now available in Australia through Hare and Forbes Machinery House. Offering exceptional value for money the OPTIMUM range can have you set up for in house CNC machining at a fraction of the financial outlay previously required.

Basic Specifications
• Travel - X 1100mm, Y 650, Z 650mm
• Table Size - 1200 x 600mm
• Table load - 800kg
• T-Slot size - 18mm / 125mm * 5
• Rapid Traverse - X 36, Y 36, Z 36m/min
• Spindle Nose to Table - 120 – 770mm
• High precision wide span linear guide ways

Main Spindle
• BT 40 Taper
• 10,000 rpm heavy duty spindle
• 11kW / 15Hp spindle motor
• Air blast through spindle

Siemens CNC control
• Siemens 828D CNC control
• 12.1 TFT colour controller
• ShopMill conversational step programming
• Measuring cycles for calibration of workpiece probe, workpiece measurement probing and tool measurement
• Rigid-synchronised tapping
• Helical interpolation
• Ethernet interface
• USB port

SINUMERIK MDynamics optional technology included with machine
• High speed machining settings
• Advanced surface

Axis Motors & Drives
• Siemens servo drive amplifiers
• Siemens high torque direct coupled AC digital servo motors

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Tool Changer
• High-speed arm type automatic tool changer
• 24 tool bi-directional magazine
• Maximum tool diameter 78mm (Adjacent tools)
• Maximum tool length 300mm
• Maximum tool weight 8kgs

Coolant System
• Flood coolant (M08)
• Machine coolant tank 250L
• High pressure through spindle coolant 25 bar with separate tank

Swarf Removal
• Belt type chip conveyor

Operation
• Remote MPG (Portable hand wheel)
• 3 Colour Operation lamp
• High output LED work light
• Machine operating & maintenance manuals
• Electrical schematics
• Automatic lubrication equipment
• Full CE safety enclosure with safety PLC

Specific Features


Tool Changer (24 Tools)


Tool Changer Arm


Remote Control


LED Operation 3 colour Light


LED Work Light


Through Spindle Coolant


Chip conveyor

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Recommended Accessories

M907T
BT40 CNC Starter Tooling Package Deal



L771
Optimum CNC Lathe



T142
Pull Stud



T194
BT40-APU16-120 Drill Chuck BT APU Type



T220
BT40 x ER32-70 Collet Chuck



T226
BT40 x ER40-80 Collet Chuck



T204
BT40 x ER16-100 Collet Chuck



T208
BT40 x ER20-70 Collet Chuck



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Product Brochure For M910

T215
BT40 x ER25-100 Collet Chuck



T150
BT40-FMB22-45 Face Mill Arbor



T151
BT40-FMB22-90 Face Mill Arbor



T164
BT40-SLN12 Side Lock Holder (BT40)



T165
BT40-SLA16 Side Lock Holder (BT40)



T167
BT40-SLA20 Side Lock Holder (BT40)



T169
BT40-SLA25 Side Lock Holder (BT40)

