

Specification



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Catalogue Number: **07917**

NEW HARTFORD MODEL PRO 1000AP HIGH POWER, HEAVY-DUTY OPEN FRONTED VERTICAL MACHINING CENTRE WITH 24-STATION ARM TYPE AUTO TOOLCHANGER AND HEIDENHAIN iTNC 530 CONTROL SYSTEM.



TABLE SIZE	1150 x 600 MM
X AXIS TRAVEL	1000 MM
Y AXIS TRAVEL	600 MM
Z AXIS TRAVEL	630 MM
TABLE TO SPINDLE NOSE	100 - 730 MM
SPINDLE CENTRE TO COLUMN	650 MM
MAX TABLE LOAD	700 KGS
MAX SPINDLE SPEED	40 – 8000 RPM
SPINDLE TAPER	BT 40
TOOLCHANGER CAPACITY	24 STATIONS
SPINDLE DRIVE MOTOR	9.8 KW
CUTTING FEED RATES	UP TO 12,000 M/MIN
RAPID TRAVERSE RATES	X & Y 24 M/MIN, Z 20 M/MIN
ELECTRICS	415V, 3PH, 50HZ

STANDARD ACCESSORIES

Full Splash Guard
20 Bar through Spindle Coolant
Coolant Jets around Spindle
Centralized Automatic Lubrication
System
Work Lamp
Spindle Air Blast
Leveling Bolts & Blocks
Auto Power Off
Cycle Finish Lamp

RS-232 Interface
Manual Pulse Generator
Operator & Maintenance Handbooks
Coolant Gun
Oil Separator
CE Mark
4th Axis Preparation & Interface
Link Type Front Chip Conveyor
Chip Bucket

CONTROL SPECIFICATION

Heidenhain iTNC 530
Inch / Metric Conversion
Absolute Incremental Command
Pre-read buffer (No of block) 256
ISO/EIA Automatic Identification
RS232 Interface
RS232 Interface-2
Positioning
Linear Interpolation
Circular Interpolation
Helical Interpolation
Cylindrical Interpolation
Memory Capacity - unlimited
Number of Stored Programs – unlimited
Background Editing
S-Code Output 4-Digit BCD-Binary
Spindle Rate 50-150%
Feed Per Minute
Rapid Feedrate Override 0%, 25%, 50%,
100%
Cutting Feedrate Override 0-200%
Jog Feedrate Override
Rigid Tapping / Synchronous Tapping
M-Code
Automatic Coordinate System Setting
Machine Coordinate System
Coordinate System Setting
Manual Reference Point Return
Automatic Reference Point Return
Tool Command
Tool Length Offset
Cutter Compensation C
Manual Tool Length Measurement
Offset Memory C
Offsets – unlimited

Dry Run
Misc. Function Lock
PLC Switch
DNC/Tape Operation
Program Restart Function
Sub Program Control
Corner Chamfering / Corner Rounding
Canned Cycle for Drilling
User Macro
No. of Variable Command Sets –
unlimited
Backlash Compensation
Memory Type Pitch Error Compensation
Coordinate System rotation
Mirror Image
Circular Cutting
Scaling
Skip Function
Emergency Stop
Travel Protection
Program Protection
Graphic Display
Dynamic Graphic Display
Conventional Programming with
Graphic Function
Operation Help Display
CAP1 Function for Programming
IC Memory Interface
Ethernet Interface
Date Server
Computer Link –B Function
Run Hour Display & Parts Count
4th Axis Interface
15" TFT/LCD

LENGTH	2,900 MM
WIDTH	2,496 MM
HEIGHT	2,848 MM
WEIGHT	6,000 KGS

***NOTE:** The information contained herein is provided in good faith, but however due to unforeseen errors or omissions cannot be binding as to accuracy.*

