

Specification



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Catalogue Number: **6003/0**

NEW HARTFORD MODEL BLOCKBUSTER PRO-3150AG DOUBLE COLUMN VERTICAL MACHINING CENTRE WITH 40-STATION ARM TYPE AUTO TOOLCHANGER, GEARED HEAD AND HARTROL-FANUC AI300 (18iMB) CONTROL SYSTEM.



TABLE SIZE	3100 x 1450 MM
X AXIS TRAVEL	3060 MM
Y AXIS TRAVEL	1560 MM
Z AXIS TRAVEL	780 MM
DISTANCE BETWEEN COLUMNS	1680 MM
TABLE TO SPINDLE NOSE	160 - 940 MM
DISTANCE SPINDLE CENTRE TO COLUMN	430 MM
MAX TABLE LOAD	6000 KGS
MAX SPINDLE SPEED	6000 RPM
SPINDLE TAPER	BT 50
TOOLCHANGER CAPACITY	40 STATIONS
SPINDLE DRIVE MOTOR	26 KW
CUTTING FEED RATES	7,000 M/MIN
RAPID TRAVERSE RATES	X, Y & Z : 12 M/MIN
ELECTRICS	415V, 3PH, 50HZ

STANDARD ACCESSORIES

Full Enclosed Splash Guard
25 Bar through Spindle Coolant
Spindle Oil Cooler
Centralized Automatic Lubrication
System
Work Lamp
Spindle Air Blast
Leveling Bolts & Blocks
Renishaw OMP60 Probe
Cycle Finish Lamp
DNC Software

RS-232 Interface
Manual Pulse Generator
Operator & Maintenance Handbooks
Coolant Gun
Screw Type and Link Type Chip
Conveyers and Chip Bucket
CE Mark
4th Axis Preparation & Interface
Foot Switch for Spindle Clamp /
Unclamp

CONTROL SPECIFICATION

Hartrol Fanuc AI300 (18iMB)
Inch / Metric Conversion (G20/G21)
Absolute Incremental Command
(G90/G91)
ISO/EIA Automatic Identification
RS232 Interface
Positioning (G00)
Uni-Directional Positioning (G61)
Linear Interpolation (G01)
Circular Interpolation (G02/G03)
Memory Capacity – 1280M
Number of Stored Programs – 125
Background Editing
S-Code Output 4-Digit BCD-Binary
Spindle Rate 50-120%
Feed Per Minute
Rapid Feedrate Override 0%, 25%,
50%, 100%
Cutting Feedrate Override 0-150%
Jog Feedrate Override
Override Cancel
Handle Feed Rate x1, x10, x100
Rigid Tapping / Synchronous Tapping
M-Code
Automatic Coordinate System Setting
Machine Coordinate System
Work Coordinate System Setting
(G54/G59)
Coordinate System Setting (G54/G59)
Manual Reference Point Return
Automatic Reference Point Return
2nd Reference Point Return
Reference Point Return Verify
Work Coordinate System Presetting
(G92.1)
Travel Protection
Program Protection
Graphic Display

Additional Work Coordinate System
(48 Sets)
Tool Command (T2 BCD)
Tool Length Offset (G43/G44/G49)
Cutter Compensation C
(G403/G41/G42)
Tool Position Offset (G45-G48)
Manual Tool Length Measurement
Offset Memory C
Offsets – 200
Single Block
Optional Block Skip
Dry Run
Machine Lock
Optional Stop (M01)
Misc. Function Lock
Manual Absolute On/Off
PLC Switch
DNC/Tape Operation
Manual Handle Interruption
Program Restart Function
Sub Program Control (M98.M99)
Canned Cycle for Drilling (G80-G89)
User Macro
No. of Variable Command Sets – 100
Backlash Compensation
Memory Type Pitch Error
Compensation
Coordinate System rotation
Mirror Image
Scaling (G50/G51)
Programming Date Input (G10)
Skip Function (G31)
Emergency Stop
Dynamic Graphic Display
Operation Help Display
Ethernet Interface
IC Memory Interface



Run Hour Display & Parts Count
4th Axis Interface
AI nano Contour Control (AI nano CC)
10.4" TFT/LCD

Calculator
Load Monitor
AICC Programmable Parameter Setting

LENGTH
WIDTH
WEIGHT

10,120 MM
5,640 MM
26,000 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.*

