



Heavy Duty | Under Power | High Precision | Versatile Tooling

PRICE

CONTACT FOR PRICE

(+) EQUIPPED WITH

MODEL

Centrum 3500

**Talkativ-Piv Control
Graphic 14" color monitor
Over 300 Tools Included**

YEAR

1994

SPECS

Power Requirements: 40 amps @ 460V, 3 phase
Air Requirements: 3.5 SCFM @ 80 psi
Maximum sheet size (no reposition): 74.8" x 78.7"
Punching capacity: 33 tons (30 metric tonnes)
Press drive motor: 10 HP
Clutch/brake system: Hydraulic
Throat depth: 63" (1620mm)
Geometric programming
"Jog" control of all operational machine functions





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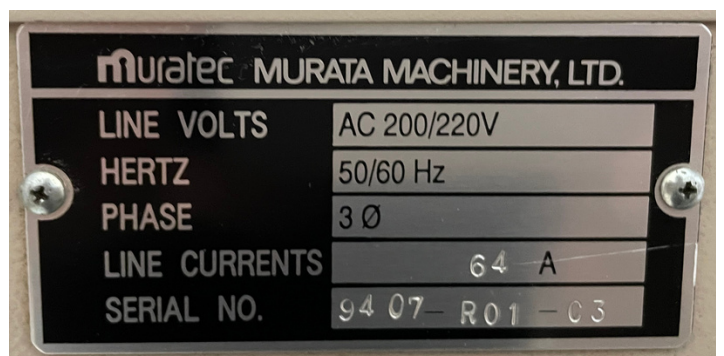
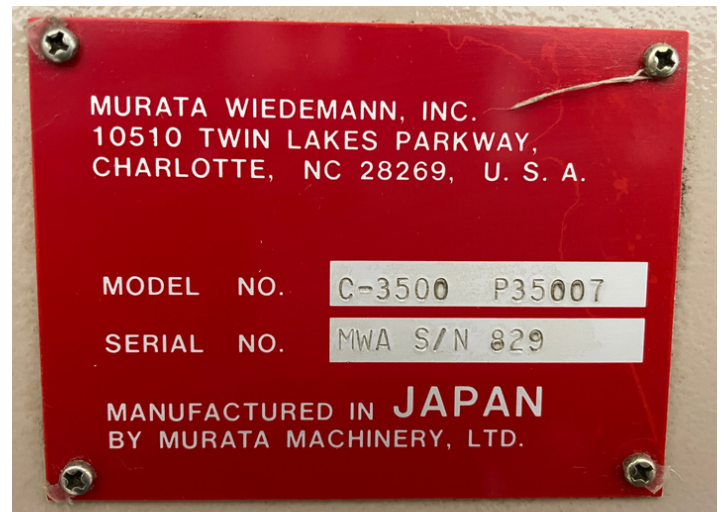
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CENTRUM 3500 TURRET PUNCH PRESS

CNC CONTROL FEATURES

- Geometric programming.
- Part program storage for programs; 128 KB memory.
- 3.5" floppy disk drive (1.44MB, high density).
- "User Friendly" executive software for ease of operation features:
- Operator and machine error diagnostics displayed in simple, easy to understand language.
- Step-by-step instructions for easy use of full editing capabilities and part program storage.
- Switchable inch/metric.
- Zero offset.
- Switchable EAI-ASCII/ISO part program format.
- Command and position readout.
- "Jog" control of all operational machine functions.
- Absolute and incremental dimension input.
- Serial input/output port for optional peripheral devices such as optional paper tape punch or DNC.
- Touch sensitive and sonic feedback on control pushbuttons to reduce operator errors and improve safety.
- Graphic 14" color monitor.

CENTRUM 3500 TURRET PUNCH PRESS

GENERAL SPECIFICATIONS

PUNCHING CAPACITY:	33 tons (30 metric tonnes)
PRESS DRIVE MOTOR:	10 HP
CLUTCH/BRAKE SYSTEM:	Hydraulic
THROAT DEPTH:	63" (1620mm)
TABLE TRAVEL:	76.7" x 80.7" (1950mm x 2050mm)
MAXIMUM SHEET SIZE (NO REPOSITION): (ONE REPOSITION):	74.8" x 78.7" (1900 x 2000mm) 74.8" x 157" (1900 x 4000mm) (Support tables recommended)
LINEAR TABLE SPEED:	2500"/Min. (64 m/min.)
MAX. SHEET WEIGHT:	330 Lb. (150kg)
MAX. MATERIAL THICKNESS:	.250" (6.35mm)
PUNCHING ACCURACY:	+/- .004" (+/- .1mm)
REPEATABILITY:	within .002" (.051mm)
RAM STROKE:	1.25" (32mm)
STRIPPER/DIE CLEARANCE:	.875" (22mm)
STANDARD TURRET CAPACITY:	40 stations (includes 2 index) NOTE: Index stations available in any combination of Single, Varitool®, or Varimark® up to the maximum number of 4 index stations listed.

TOOLING STYLE:	112/114/Long Life	
APPROX. MACHINE DIMENSIONS:	Width	- 178" (4522mm)
	Length	- 222" (5643mm)
	Height	- 84" (2133mm)
APPROX. MACHINE WEIGHT:	32,750 Lb. (14,856kg)	
FOUNDATION:	None required	
ELECTRICAL POWER REQUIREMENTS:	35 kva (peak) 40 amps @ 460V, 3 phase	
AIR SUPPLY REQUIREMENTS:	3.5 SCFM @ 80 psi (0.1 cu. meters @ 5.7 bars)	
	NOTE: Air supply required for index pin cylinders, work holders, repo cylinders, and auto index tools. Clutch/brake are hydraulically activated.	
HIT RATES:	<u>Axis Move</u>	<u>Hits/Minute</u>
	Continuous	475
	1" (25mm)	220
AXIS DRIVE:	AC servo (brushless)	
TURRET ROTATION:	30 rpm	
TURRET DRIVE:	Bi-directional servo drive	
TURRET INDEX SPEED:	3 second average	

CNC CONTROL SPECIFICATIONS:

TYPE:	Fanuc 16-P
SIMULTANEOUSLY CONTROLLED AXES (4):	X, Y, T and Auto Index
INPUT FORMAT:	1" (25mm) EIA/ASCII
POSITION COMMANDS:	Switchable inch/metric
LEAST PROGRAMMABLE INCREMENT:	Inch .001/Metric .01
PROGRAM STORAGE CAPACITY:	320 Meters (128 KB)

STANDARD TURRET CONFIGURATION:

	<u>QUANTITY</u>	<u>RANGE</u>	<u>SYMBOL</u>
	24	Up to 1" (25mm) dia.	B
	5	1" to 1.5" (25 - 38mm) dia.	C
	5	1.5" to 2" (38 - 50mm) dia.	D
	2	2" to 3" (50 - 76mm) dia.	E/F
	2	3" to 4".75" (76 - 120mm) dia.	G/H/J
	2	Up to 2" (25mm to 50 mm) dia.	Index
TOTAL	<u>40</u>		

TOOLING STYLE:	112/114/Long Life
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AUTO INDEXING:

NO. OF STATIONS:	2 - D Stations
TOOL STYLE:	112 or 114 Long Life
RPM:	30
MAX. MATERIAL THICKNESS:	10 ga. mild steel (.135)
ROTATIONAL ACCURACY:	+/- .05 degrees
MIN. PROGR. INCREMENT:	.01 degree
INDEX HIT RATE:	155 hits/min./10 degrees

OPTIONAL 4-AUTO INDEX TURRET CONFIGURATION:

		<u>STATION</u>	
<u>QUANTITY</u>		<u>RANGE</u>	<u>SYMBOL</u>
16		Up to 1" (25mm) dia.	B
5		1" to 1.5" (25 - 38mm) dia.	C
5		1.5" to 2" (38 - 50mm) dia.	D
2		2" to 3" (50 - 76mm) dia.	E/F
2		3" to 4".75" (76 - 120mm) dia.	G/H/J
4		Up to 2" (25mm) dia.	Index
TOTAL	<u>34</u>		