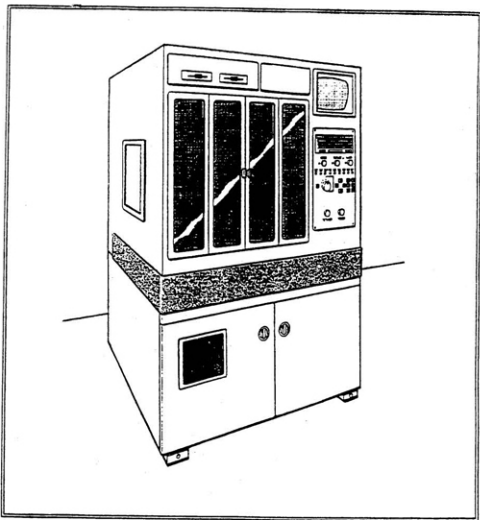


TruMicro Maintenance Manual



 **ADVANCED CONTROLS**

SECTION 2. SPECIFICATIONS AND TOOLS

2.1 SPECIFICATIONS

Physical Specifications

Room Temperature	68° ± 2°F (19-21°C)
Humidity	40% maximum
Weight	3500 lbs
X-Axis Travel	16.30
Y-Axis Travel	14.25
Travel Rate	235 IPM minimum
Linear Scale Grating Pitch	20 microns
Accuracy	± 2 microns
Leadscrew Thread Lead	.200
Squareness	.0001/ft
Lead Accuracy	.0005/12.0 max.
Broken Bit Detection	.004 dia. min.
Top Table Size	X 32.00, Y 27.4
Top Table Flatness	0.002 FIM*
Tooling Thickness	.75
Flatness (Drilling Area)	.002 FIM

Pneumatics

Air Flow Rate	20 SCFM
Pressure	100 PSI ± 5 PSI
Vacuum Flow Rate	30 scfm
Pressure	2.0 inches Hg below atm
Insert Changer Air Pressure	30 PSI

Electrical

Voltage	480 VAC
KVA	4 KVA
Frequency	60 Hz

Special Equipment

Pressure Foot	Infrared Broken Bit Detector
Camera	Javelin
Monitor	Sony Color Video Monitor,
Pressure Foot Insert Changer	1 with 5 insert positions

Tool Changer/Tools

Type	Matrix
Cassette/Magazine	96 tools.

Sizes and Travel

Station Size	12.00 X 16.30
Usable Drill Range	X = 12.00
	Y = 12.00
X-Axis Travel	16.00
Y-Axis Travel	12.00

Miscellaneous

<i>X/Y Axis Scales</i>	
Number	2
Type	Heidenhain Glass Scale with Diadur graduations

Tooling Plate

Number	1
Thickness	.750

Pressure Foot Insert Changer

Number	1
Capacity	5
Air Pressure Supply	80 PSI \pm 2 PSI