

THE **LIBERTY**^{14x30}
CNC ID/OD GRINDER



*Designed for High Precision Products
in an Automated Environment*



American Built Since 1929

THE LIBERTY^{14x30}

CNC ID/OD GRINDER

MACHINE FEATURES	ENGLISH	METRIC
Headstock Speed	50 - 450 rpm	
Feedback Device	Scale / Encoder	
Table Size	5 in x 50 in	127 mm x 1270 mm
Z-axis Travel	30 in	762 mm
X-axis Travel	8 in	203 mm
Machine Tool Dimensions	82 in x 136 in	2082 mm x 3454 mm
Machine Tool Weight	4500 lbs	2040 kg
Spindle HP	1.5 ID / 5 OD	1.12 kw / 3.72 kw
Max. Table Strokes per min.	4 - 29 in strokes	4 - 737 mm strokes
	106 - 1 in strokes	106 - 26 mm strokes
Swing	14 in	355 mm
Hole Through Workhead	1.25 in	32 mm
CNC CONTROL FEATURES		
Controller	Siemens SINUMERIK 810D	
Power Requirement	480 V, 460 V / 230 V, 208 V 60Hz	
Power Consumption	11.5 kVA	
Max. Current	20 A / 30 A	
Input Format	Ethernet, RS232, 3 1/2 in Floppy Disk, Keyboard Port	
Display Type	10.4 in TFT color with numeric CNC Keypad	
Character Set	Alphanumeric and Symbols	
Keyboard	Controller Integrated	
Position Command	Incremental and Absolute	
Min. Input Command	.000010 in / .002 mm	
Programing Format	inch / metric	
Control	Machine Control Panel with Spindle and Rate Override Control	
Remote Handwheel	Jog and Step Axis / also Change Increment Value	

* All features from the Liberty 14x10 model also apply



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