

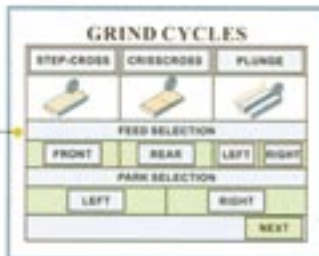
CINCINNATI MACHINES

PRECISION SURFACE GRINDING CENTER



With
PLC LCD
touch screen
conversational
control
system

Main Screen



- Grinding Mode Selection
- Down Feed Selection
- Table Parking Selection

Cincinnati Machines Precision Surface Grinding Centers combine heavy-duty meehanite castings, isolated hydraulic and coolant systems, precision way systems, and auto lube system with the Mitsubishi PLC LCD touch screen conversational control system to provide maximum machine ease of use and versatility in a precision surface grinder.



Number Key window



Data Screen



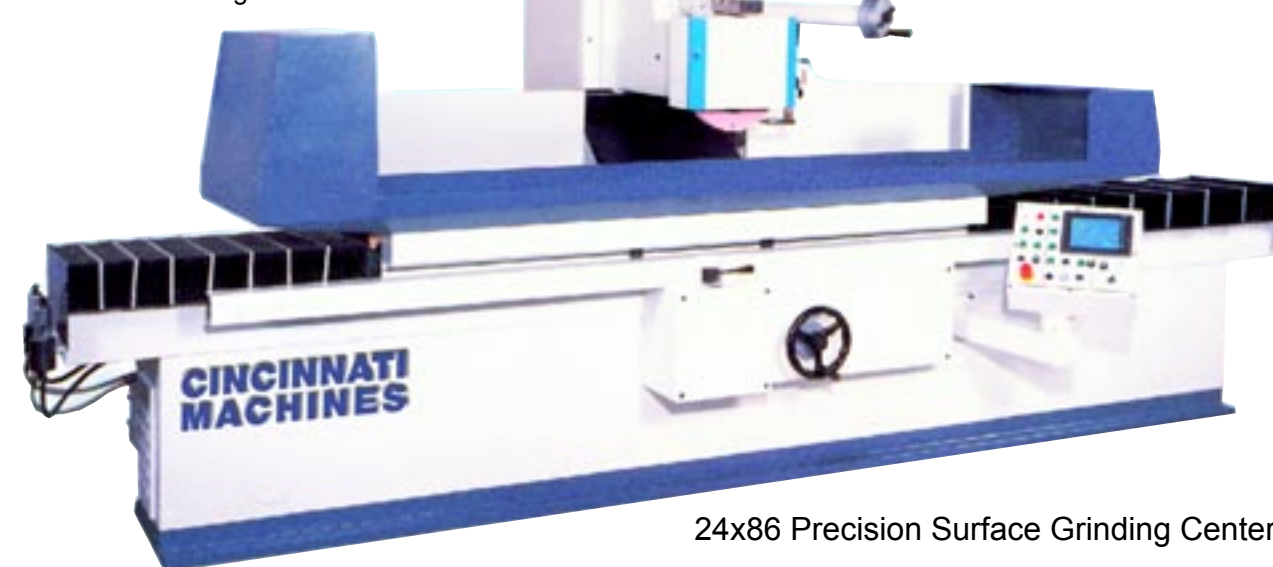
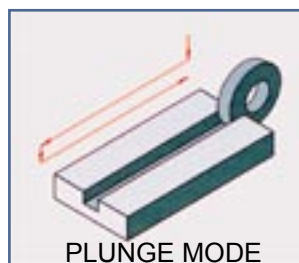
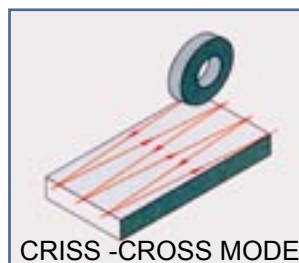
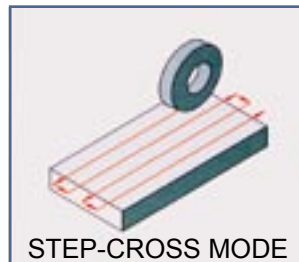
- * Input the value for :
 - Total stock removal
 - Total fine grinding amount
 - Coarse & Fine increment
 - Spark Out passes & Clearance setting

CONSTRUCTION FEATURES

- *Heavy-duty meehanite castings
- *Precision spindle cartridge with class 7 angular contact bearings
- *Automatic lubrication system
- *Mitsubishi PLC LCD touch-screen conversational control system
- *Precision scraped double V cross ways with Turcite coating

SURFACE GRINDING CENTER AUTOMATIC GRINDING CYCLES

With the PLC LCD Touch-Screen
Conversational Control System



24x86 Precision Surface Grinding Center

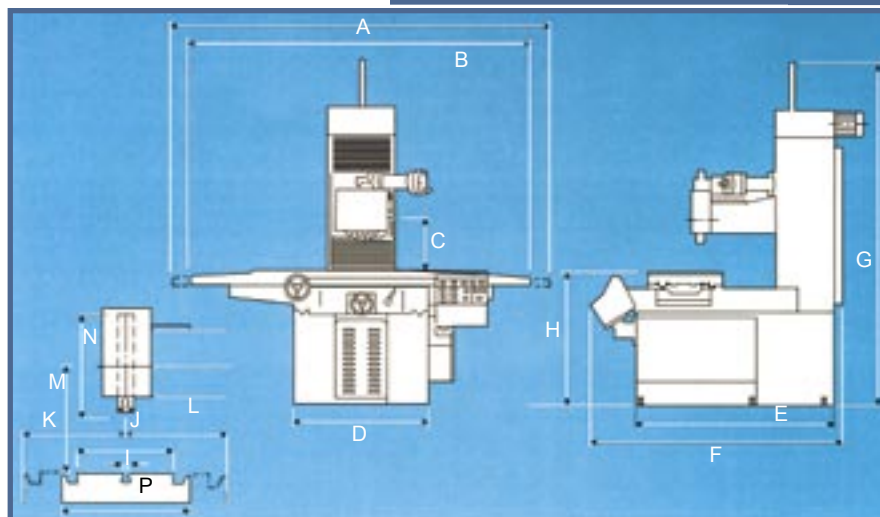
STANDARD EQUIPMENT

- *Grinding wheel mount
- *Balancing arbor
- *Wheel extractor
- *Work light
- *Leveling pads
- *Splash guard
- *Diamond dresser
- *Operation/parts/service manual
- *Toolbox and tools

OPTIONAL ACCESSORIES

- *Permanent and electro-magnetic chucks
- *Dust collector
- *Coolant and filtration systems
- *Various dressing attachments
- *Digital readout systems
- *Balancing stand
- *Spare wheel mounts
- *Complete line of CINMAX conventional, CBN, and diamond grinding wheels.

Model	6 x18	8x20	12x24	16x32	20x40	20x60	24x48	24x60	24x86
Table size	6 x18	8x20	12x24	16x32	20x40	20x60	24x48	24x60	24x86
Maximum grinding length	19	21.7	25.6	34	42	62	53	65	92
Maximum grinding width	6	8.3	12.2	16.1	20.1	20.1	26	26	26
Nominal chuck size	6 x18	8x20	12x24	16x32	20x40	20x60	24x48	24x60	24x86
Max. table load (incl. chuck)	---	660lbs	880lbs	1300lbs	1870lbs	2420lbs			
Manual table travel	20.9	24.4	28	37.8	47.2	67			
Hydraulic table travel	20	22	25.6	36	45.3	65			
Table traverse (inf. var fpm)	16-82	10-82	10-82	10-82	10-82	10-82	3-83	3-83	3-83
Max spindle C/L to table	19	16.3	20	18.3	24	24	27.5	27.5	27.5
Manual cross travel	7	9.8	13.6	18	22	22			
Cross feed increment	.02-.24	.02-.32	.02-.32	.02-.32	.08-.4	.08-.4	0.1-0.6	0.1-0.6	0.1-0.6
Cross rapid traverse (ipm)	38	38	38	47	67	67			
Cross handwheel graduation	.001	.001	.001	.001	.001	.001	.001	.001	.001
Cross per handwheel rev	2	.2	.2	.2	.2	.2	.2	.2	.2
Automatic downfeed inc	.0001-.002	.0001-.01	.0001-.01	.0001-.01	.00005-.01	.00005-.01	.0001-.01	.0001-.01	.0001-.01
Downfeed hndwhl graduation	.000050	.0001	.0001	.00005	.00005	.00005	.0001	.0001	.0001
Downfeed per handwheel rev.	.2	.01	.01	.005	.004	.004	.01	.01	.01
Grinding wheel size	8x1/2x1.25	8x7/8x1.25	14x2x5	14x2x5	14x2x5	14x2x5	16x2x5	16x2x5	16x2x5
Grinding spindle speed (rpm)	3450	3420	1710	1710	1710	1710	1800	1800	1800
Spindle motor	3 hp	2 hp	5 hp	7.5 hp	10 hp	10 hp	15hp	15hp	15hp
Shipping dimensions	61x49x76	73x58x84	75x71x85	113x89x89	10'x90x98	14'x90x98	15'x92x9'	18'x92x9'	21'x92x9'
Shipping weight (lbs)	1920	3300	4510	6600	11220	15400	17380	19800	26400



MACHINE DIMENSIONS (INCHES)

Model	6x18	8x20	12x24	16x32	20x40	20x60	24x48	24x60	24x86
A	54	89	102	136	160	216	158	185	244
B	54	65	72	100	115	171			
C	19	16	20	18	24	24			
D	24	28	30	40	71	91			
E	26	36	42	59	69	69			
F	32	54	70	89	130	130	83	83	83
G	68.5	86	89	98	94	94	113	113	113
H	34	41	38	38	33	33			
I	.5	.55	.55	.55	.55	.55			
J	6	8	12	16	20	20			
K	8	7	10	13					
L	7	6.5	9	13					
M	17	16	20	18	24	24			
N	8	8	12	14	14	14			
O	.5	.875	2	2	2	2			
P	8.625	11	16	21.5	24	24			