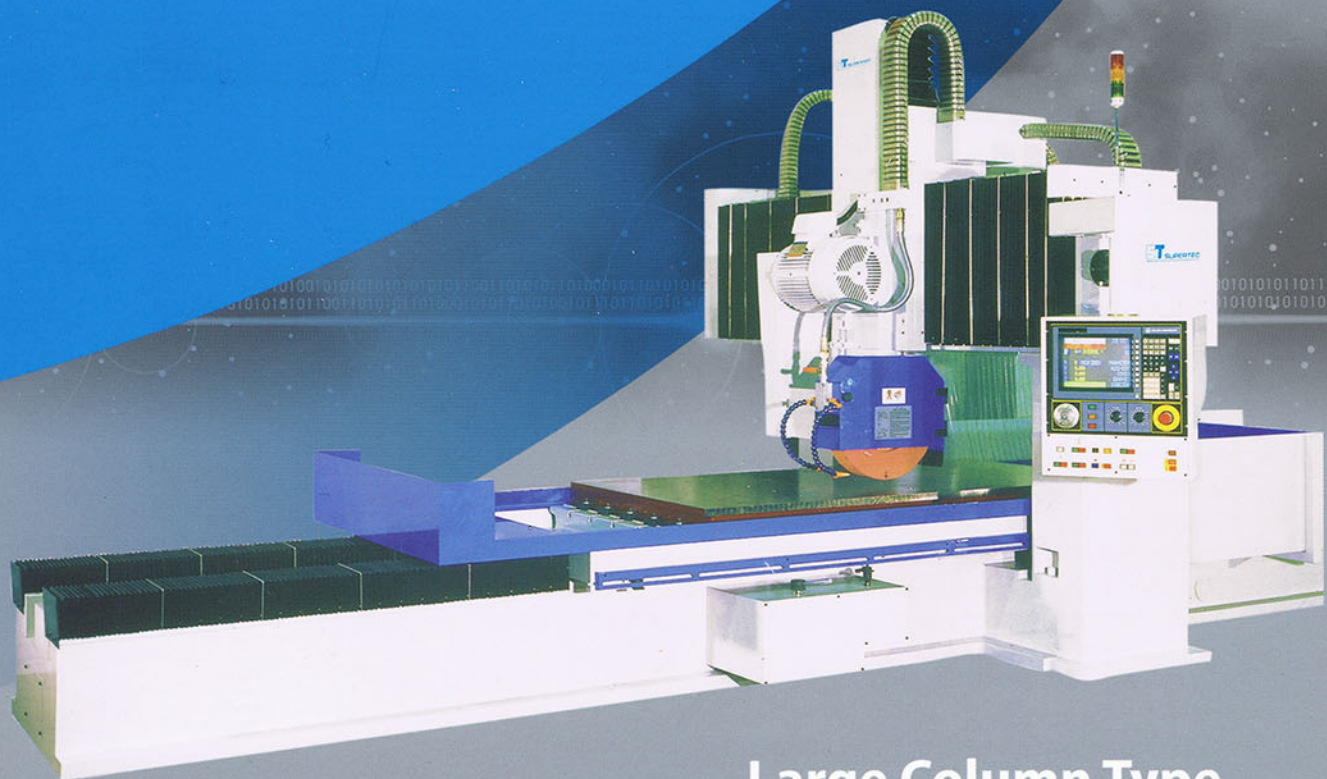


ST[®] SUPERTEC *Since 1954*

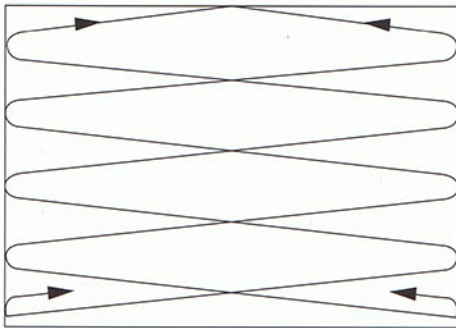
The Finest Solution Large Surface Grinders



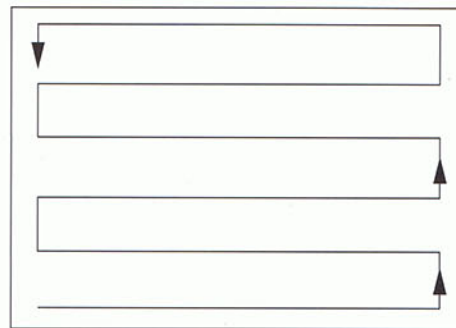
Large Column Type
Over Arm Type
Double Column Type
Rotary Table Type

CRISS CROSS GRINDING-OPTION

- The advantage of the criss-cross grinding option is that the cross feed speed is infinitely variable yielding a very wide range of cross feed choices.
- In criss-cross grinding, the table longitudinal movement and wheel head cross feed movement are synchronized and engaged simultaneously.
- This grinding method is invaluable for grinding very thin workpieces efficiently.



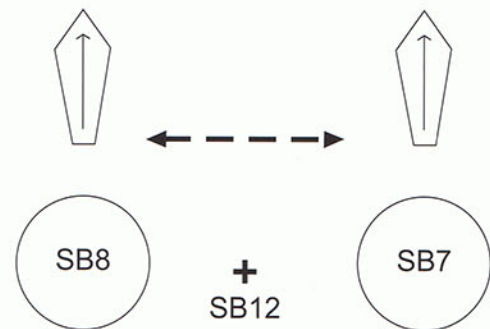
Criss-cross grinding



Incremental grinding

ELECTRIC TOUCH CROSS TRAVERSE SETTING SYSTEM-OPTION

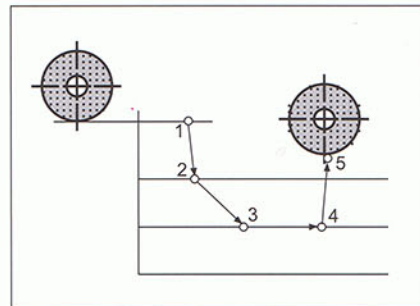
- The advantage of the electronic 'one-touch' system is to quickly electronically pre-set the beginning and end surface width of cross grinding to be accomplished. This can significantly improve production time.
- Setting the system is simple-
 - * Hold power rapid cross feed pushbutton down until the grinding wheel reaches the desired start position.
 - * Push the start SB12 pushbutton which will flash an indicator lamp on the command panel.
 - * Hold the power rapid opposite crossfeed pushbutton down until the desired finish location of the grinding wheel is achieved.
 - * Push the SB12 pushbutton again which will cause the lamp to flash again. This is the desired end of cross feed grinding position and the settings are completed.
- Positioning accuracy is 5mm (0.2") for STP and OA series grinders.
Positioning accuracy is 10mm (0.2") for DC series grinders.



OPTIONAL FEATURES AND ATTACHMENTS

Auto Down Feed ADC(Option)

- This convenient attachment includes a built-in Power Rapid-Up (wheel retract) and Rapid Down (wheel approach) function.
- Operational features as shown in the diagram include:
 1. Wheel starting position.
 - 1-2. Wheel rapidly approaches the workpiece by pushing power pushbutton.
 - 2-3. Auto downfeed is engaged and individual incremental Downfeeds per table stroke reversal may be preset by a lever, Selectable in 6 steps for: 0.005mm, 0.01mm, 0.015mm, 0.02mm, 0.025mm, 0.03mm in Metric or 5 steps for 0.0002", 0.0004", 0.0006", 0.0008" and 0.001" in inch.
 - 3-4. Selectable sparkout passes are up to a max of 9 times.
 - 4-5. Wheelhead rapidly retracts and shuts-down the spindle motor and hydraulic motor.
 5. Table stops and parks conveniently at left or right side as desired for easy workpiece loading or unloading.

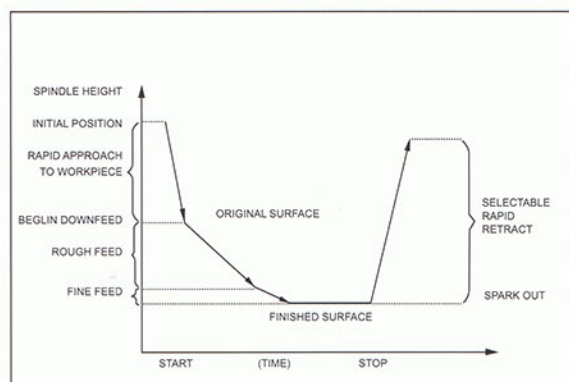


Computerized Auto Down Feed AD1(Option)

- Features:
 - * Automatic rapidly approaches to workpiece surface.
 - * Least command increment 0.001mm (0.0001").
 - * Maximum rough feed grinding resolution is up to 0.1mm (0.001") per pass, totally up to 999 times.
 - * Maximum fine feed grinding resolution is up to 0.02mm (0.001") per pass, totally up to 99 times.
 - * Selectable spark-out passes is up to 9 times
 - * Cycle "HOLD" function for in-process gaging or dressing.
 - * Selectable wheelhead retract clearance at job completion for convenient workpiece loading and unloading.
 - * Selectable:
 - a. Spindle motor off.
 - b. Hydraulic motor off.
 - c. Power off.
 after the grinding process is completed.
 - * 2 selectable grinding modes: "SURFACE" and "PLUNGE"
 - * Slow, fast and fixed speed are provided.



AD1 Command Console



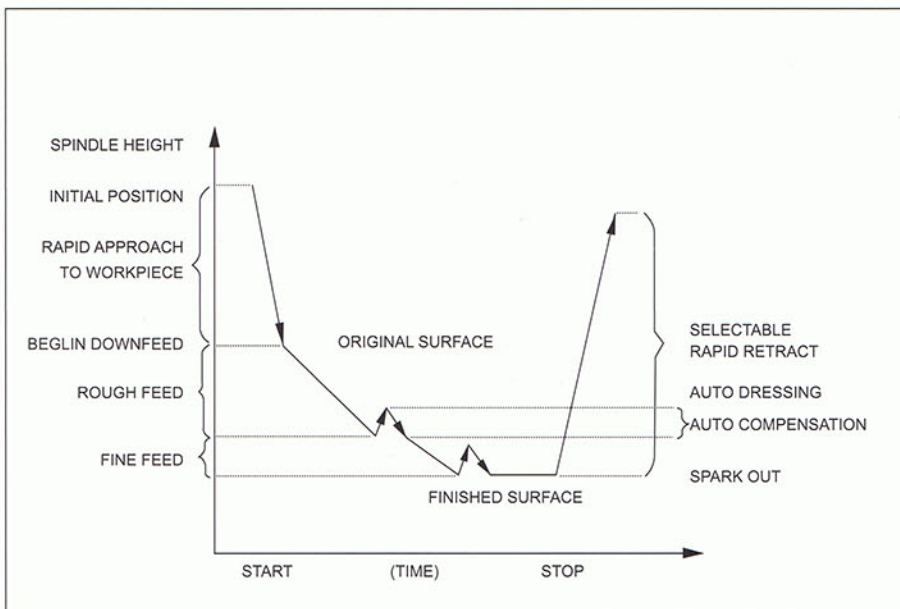
AD1 GRINDING PROCESS

Auto Down Feed ADC(Option)

- With the exception of OA-series

- This attachment includes:
 - a. Computerized auto down feed AD1
 - b. 2 axes automatic dresser and auto compensation.

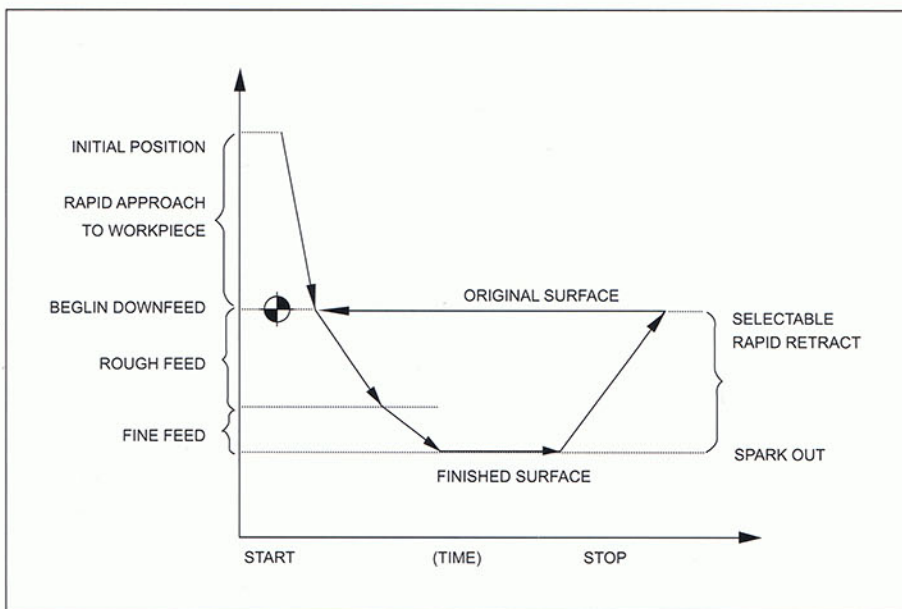
- Features:
 - * Automatic rapidly approaches to workpiece surface.
 - * Least command increment 0.001mm (0.0001").
 - * Maximum rough feed grinding resolution is up to 0.1mm (0.004") per pass, totally up to 999 times.
 - * Maximum fine feed grinding resolution is up to 0.02mm (0.001") per pass, totally up to 99 times.
 - * Selectable spark-out passes is up to 9 times.
 - * Cycle "HOLD" function for in-process gaging or dressing .
 - * Selectable wheelhead retract clearance at job completion for convenient workpiece loading and unloading.
 - * Selectable:
 - a. Spindle motor off
 - b. Hydraulic motor off
 - c. Power off.
 after the grinding process is completed.
 - * 2 selectable grinding modes: "SURFACE" and "PLUNGE"
 - * Slow, fast and fixed speed are provided.



ADC GRINDING PROCESS

Pitch Grinding Function ADP(Option)

- With the exception of OA-series.
- This attachment includes:
 - a. Computerized auto cross / vertical infeed.
 - b. Cross/vertical feed digital read out.
- Features:
 - * Automatic rapidly approaches to workpiece surface.
 - * Least command increment 0.001mm (0.0001").
 - * Maximum rough feed grinding resolution is up to 0.1mm (0.004") per pass, totally up to 999 times.
 - * Maximum fine feed grinding resolution is up to 0.02 mm (0.001") per pass, totally up to 99 times.
 - * Selectable spark-out passes is up to 9 times.
 - * Cycle "HOLD" function for in-process gaging or dressing.
 - * Selectable wheelhead retract clearance at job completion for convenient workpiece loading and unloading.
 - * Selectable:
 - a. Spindle motor off.
 - b. Hydraulic motor off
 - c. Power off.
 after the grinding process is completed.
 - * 4 selectable grinding modes: "SURFACE", "PLUNGE", "CRISS-CROSS" and "PITCH" grinding.
 - * Slow, fast and fixed speed are provided.
 - * 2 axes full automatic dresser. (Option)
 - * Auto dressing and auto compensation function. (Option)



ADP GRINDING PROCESS



STP SERIES

Cross Slideways: Double Vee-Ways
 Longitudinal Slideways: Double Vee-Ways
 Longitudinal: Hydraulic

Cross: Automatic
 Vertical: Power Rapid Up / Down, Manual
 Auto Down Feed: Optional

- Straightness of table movement in longitudinal direction 0.02mm/m.
- Straightness of table movement in transverse direction 0.02mm/m.
- Vertical travel of wheelhead square with table in transverse plane 0.01mm/100mm.

■ FEATURES

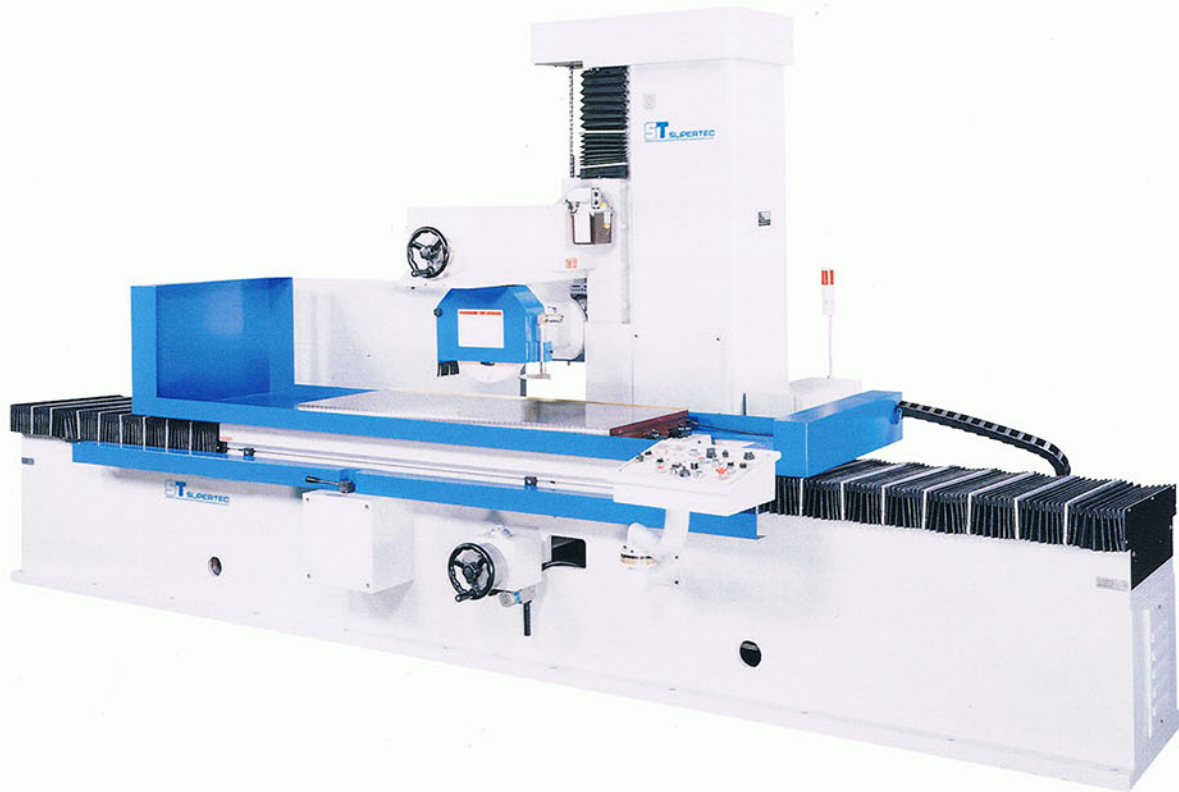
- * 15HP spindle Motor
- * 2-Way (X, Y) Automatic
- * 27.5" Spindle Center Height from Table
- * Ballscrew on Cross
- * Electronic Crossfeed Stroke Setting
- * Double Vee-Ways on Longitudinal & Cross

■ STANDARD ACCESSORIES

- * Wheelhead Rapid Up & Down
- * 25 Gallon Coolant System
- * Wheel Flange
- * Wheel Balancing Stand & Arbor
- * 14" x 2" x 5" Grinding Wheel

COLUMN TYPE SURFACE GRINDERS

Specification	Models	STP-2448	STP-2459	STP-2486	STP-24100
Max. cross x longitudinal travels		660x1350mm 25.9"x53.1"	660x1650mm 25.9"x64.9"	660x2350mm 25.9"x92.5"	660x2650mm 25.9"x104.3"
Spindle center height from table		700mm / 27.5"			
Grinding surface of table		600x1200mm 23.6"x47.2"	600x1500mm 23.6"x59"	600x2200mm 23.6"x86.6"	600x2500mm 23.6"x98.4"
Hydraulic table speed(60Hz)		1-25m/min / 40-1000inch/min			
Hydraulic motor		3.7KW / 5HP			
Intermittent cross feed (Electro-Mechanical)approx.		0.1-15(0.1-30)mm/feed / 0.1-0.6(0.1-1.2)inch/feed			
Continuous cross feed (Electro-Mechanical)approx.		1500(50-1500)mm/min / 60(2-60)inch/min			
1 revolution on cross handwheel		5mm / 0.2"			
1 division on vertical handwheel		0.02mm / 0.001"			
Rapid vertical traverse (approx.) (50Hz)		240mm/min / 9.4inch/min			
1 revolution on vertical handwheel		0.25mm / 0.01"			
1 division on vertical handwheel		0.002mm / 0.0001"			
Wheel dimension (O. DxWxI.D)-standard		355x50x127mm / 14x2x5"			
Max. height from table top to bottom of standard wheel		522mm / 20.5"			
Spindle motor-std. (optional)		11KW / 15HP			
Spindle speed 50 / 60 Hz		1500/1800 r.p.m.			
Net weight of machine		6500kg/14300lbs	7400kg/16280lbs	8900kg/19580lbs	12500kg/27500lbs
Gross weight of machine		7900kg/17380lbs	9000kg/19800lbs	12000kg/26400lbs	15600kg/34320lbs
Machine dimension (LXWXH)		4.6x2.3x2.6m 15.3x7.7x8.8ft	5.3x2.3x2.6m 17.5x7.7x8.8ft	6.4x2.3x2.6m 21.2x7.7x8.8ft	7.6x2.3x2.6m 25.2x7.7x8.8ft



OA SERIES

Cross Slideways: Dovetail-Type Gibbed Ways
Longitudinal Slideways: Double Vee-Ways
Longitudinal: Hydraulic

Cross: Automatic
Vertical: Rapid Up/Down, Manual
Auto Down Feed: Optional

- Straightness of table movement in longitudinal direction 0.02mm/m.
- Straightness of table movement in transverse direction 0.02mm/m.
- Vertical travel of wheelhead square with table in transverse plane 0.01mm/100mm.

■ FEATURES

- * 15HP spindle Motor
- * 2-Way (X, Y) Automatic
- * 27.5" Spindle Center Height from Table (Optional 37")
- * Double Vee-Ways on Longitudinal & Cross
- * Dovetail-Type Gibbed Ways on Cross
- * Ballscrew on Cross
- * Electronic Crossfeed Stroke Setting.

■ STANDARD ACCESSORIES

- * Wheelhead Rapid Up & Down
- * 25 Gallon Coolant System
- * Wheel Flange
- * Wheel Balancing Stand & Arbor
- * 14" x 2" x 5" Grinding Wheel (Optional 20" x 2" x 8")

OVER-ARM TYPE SURFACE GRINDERS

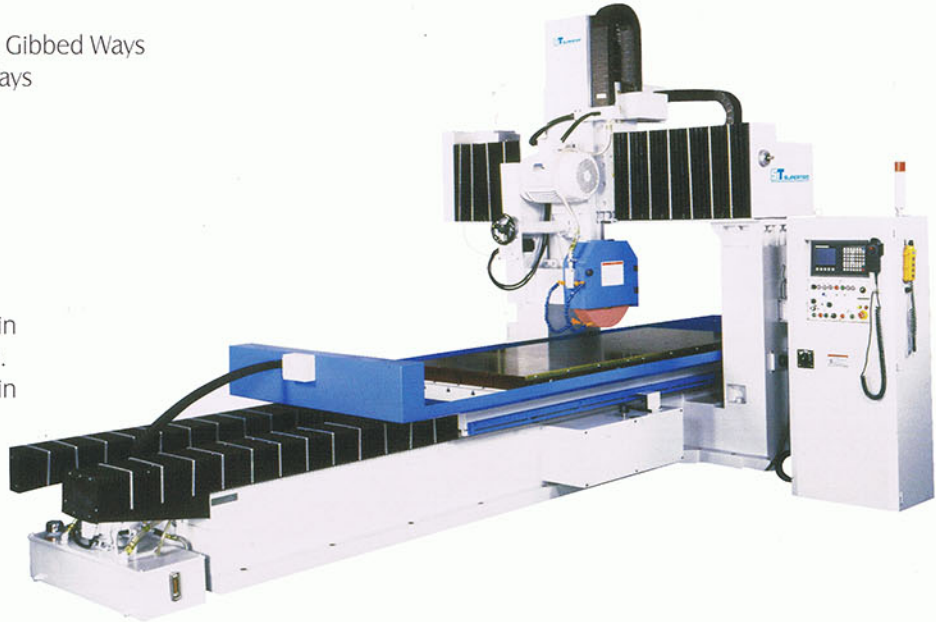
Specification	Models	OA-2440	OA-2459	OA-3059	OA-3086	OA-30118
Max. cross x longitudinal travels		660x1150mm 25.9"x45.2"	660x1650mm 25.9"x64.9"	810x1650mm 31.8"x64.9"	810x2350mm 31.8"x92.5"	810x3150mm 31.8"x124"
Spindle center height from table		700(950)mm / 27.5"(37.4")				
Grinding surface of table		600x1000mm 23.6"x39.3"	600x1500mm 23.6"x59"	750x1500mm 29.5"x59"	750x2200mm 29.5"x86.6"	750x3000mm 29.5"x118.1"
Hydraulic table speed(60Hz)		1-25m/min / 40-1000inch/min				
Hydraulic motor		3.7KW / 5HP	5.6KW / 7.5HP			
Intermittent cross feed (Electro-Mechanical)approx.		0.1-15(0.1-30)mm/feed / 0.1-0.6(0.1-1.2)inch/feed				
Continuous cross feed (Electro-Mechanical)approx.		1500(50-1500)mm/min / 60(2-60)inch/min				
1 revolution on cross handwheel		5mm / 0.2"				
1 division on cross handwheel		0.02mm / 0.001"				
Rapid vertical traverse (approx.) (50Hz)		240mm/min / 9.4inch/min				
1 revolution on vertical handwheel		0.25mm / 0.01"				
1 division on vertical handwheel		0.002mm / 0.0001"				
Wheel dimension (O.DxWxI.D)-standard		355x50x127(500x50x200)mm / 14x2x5"(20x2x8")				
Max. height from table top to bottom of standard wheel		522mm / 20.5"				
Spindle motor-std. (optional)		11KW / 15HP				
Spindle speed 50 / 60 Hz		1500/1800 r.p.m. (1000/1200 r.p.m.)				
Net weight of machine		7850kg/17270lbs	9350kg/20570lbs	11000kg/24200lbs	12500kg/27500lbs	14400kg/31680lbs
Gross weight of machine		9000kg/19800lbs	10800kg/23760lbs	12300kg/27060lbs	14000kg/30800lbs	16000kg/35200lbs
Machine dimension (LXWXH)		4x2.1x2.85m 13.4x7x9.5ft	5.5x2.1x2.85m 18.4x7x9.5ft	5.5x2.25x2.85m 18.4x7.5x9.5ft	7x2.25x2.85m 23.4x7.5x9.5ft	8.8x2.25x2.85m 29.4x7.5x9.5ft

DC SERIES

Cross Slideways: Flat-Dovetail Type Gibbed Ways
 Longitudinal Slideways: Vee-Flat Ways
 Longitudinal: Hydraulic

Cross: Automatic
 Vertical: Rapid Up / Down
 Auto Down Feed: AD1 standard

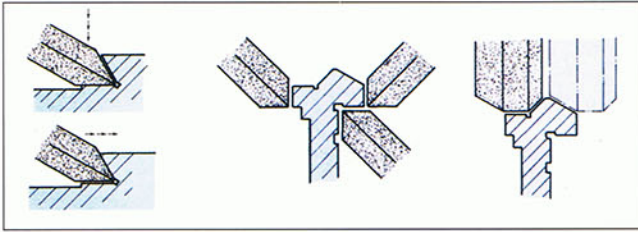
- Straightness of table movement in longitudinal direction 0.02mm/m.
- Straightness of table movement in transverse direction 0.02mm/m.
- Vertical travel of wheelhead square with table in transverse plane 0.01mm/100mm.



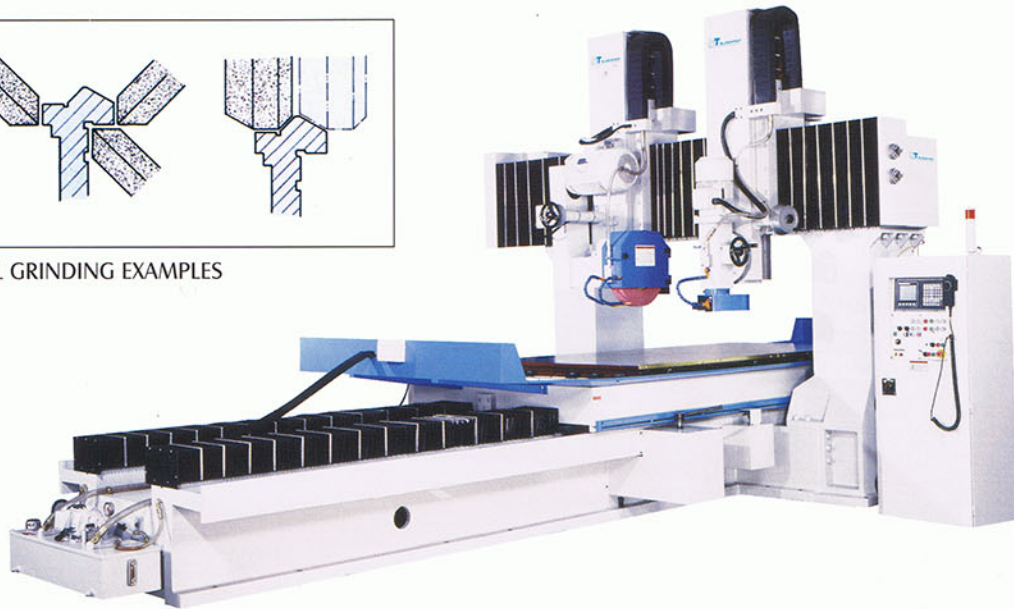
Specification	Models	DC-4047	DC-4059	DC-4086	DC-40118	DC-40158	DC-40196	DC-40236	DC-4786
Max. cross x longitudinal travels		1200x1350mm 47.2"x53.1"	1200x1650mm 47.2"x64.9"	1200x2350mm 47.2"x92.5"	1200x3150mm 47.2"x124"	1200x4150mm 47.2"x163.3"	1200x5150mm 47.2"x202.7"	1200x6150mm 47.2"x242.1"	1400x2350mm 55.1"x92.5"
Wheel bottom to table (Vertical head)		0-500(120-670)mm / 0-19.6"(4.7-26.3")			0-550(180-730)mm / 0-21.6"(7-28.7")			0-500(120-670)mm 0-19.6"(4.7-26.3")	
Cross rail bottom to table-horizontal head		600(850)mm / 23.6"(33.4")							
Grinding surface of table		1000x1200mm 39.3"x47.2"	1000x1500mm 39.3"x59"	1000x2200mm 39.3"x86.6"	1000x3000mm 39.3"x118.1"	1000x4000mm 39.3"x157.4"	1000x5000mm 39.3"x196.8"	1000x6000mm 39.3"x236.2"	1200x2200mm 47.2"x86.6"
Hydraulic table speed (60Hz)		2-25(0.5-25)m/min / 80-1000(20-1000)inch/min							
Hydraulic motor		5.6KW / 7.5HP		7.5KW / 10HP	5.6KW / 7.5HPx1 3.7KW / 5HPx1		5.6KWx2 / 7.5HPx2		7.5KW / 10HP
Clearance between the columns		1200mm / 47.2"							1400mm / 55.1"
Intermittent cross feed (Electro-Mechanical) approx.		0.1-35mm/feed / 0.1-1.4inch/feed							
Continuous cross feed (Electro-Mechanical) approx.		3mm/min / 120inch/min							
1 revolution on cross handwheel		10mm / 0.2"							
1 division on cross handwheel		0.05mm / 0.001"							
Rapid vertical traverse (approx.) (50Hz)		240mm/min / 9.4inch/min							
1 revolution on vertical handwheel		0.25mm / 0.01"							
1 division on vertical handwheel		0.002mm / 0.0001"							
Wheel dimension (O.DxWxI.D)-Standard		500x100x203.2mm / 20"x4"x8"							
Max. height from table top to bottom of standard wheel		600mm / 23.6"							
Horizontal head Spindle motor		11(15, 18.5)KW / 15(20, 25)HP							
Vertical head Spindle motor		7.5KW / 10HP							
Wheel speed 50 / 60Hz		1500/1800 r.p.m. (1000/1200 r.p.m.)							
Net weight of machine		10500kg/23100lbs	13000kg/28600lbs	17000kg/37400lbs	32000kg/70400lbs	36500kg/80300lbs	44000kg/98000lbs	44500kg/97900lbs	18100kg/39820lbs
Gross weight of machine		13500kg/29700lbs	16000kg/35200lbs	21000kg/46200lbs	36000kg/79200lbs	41000kg/90200lbs	45000kg/99000lbs	49500kg/108900lbs	22000kg/48400lbs
Machine dimension (LxWxH)		4.3x2.9x3.4m 14.3x9.6x11.3ft	5.4x2.9x3.4m 18x9.6x11.3ft	6.6x2.9x3.4m 22x9.6x11.3ft	8.4x2.9x3.5m 28x9.6x11.6ft	11.2x2.9x3.5m 37.3x9.6x11.6ft	13.4x2.9x3.5m 44.6x9.6x11.6ft	15.6x2.9x3.5m 52x9.6x11.6ft	6.6x2.9x3.4m 22x9.6x11.3ft

DOUBLE COLUMN TYPE SURFACE GRINDERS

DC SERIES



TYPICAL GRINDING EXAMPLES



Specification	Models	DC-47118	DC-47158	DC-47196	DC-47236	DC-5986	DC-59118	DC-47158	DC-59196	DC-59236	
Max. cross x longitudinal travels		1400x3150mm 55.1"x124"	1400x4150mm 55.1"x163.3"	1400x5150mm 55.1"x202.7"	1400x6150mm 55.1"x242.1"	1900x2350mm 74.8"x92.5"	1900x3150mm 74.8"x124"	1900x4150mm 74.8"x163.3"	1900x5150mm 74.8"x202.7"	1900x6150mm 74.8"x242.1"	
Wheel bottom to table (Vertical head)		0-550(180-730)mm / 0-21.6*(7"-28.7")					250-800(450-1000)mm / 9.8"-31.4*(17.7-39.3")				
Cross rail bottom to table-horizontal head		600(850)mm / 23.6*(33.4")					850(1100)mm / 33.4*(43.3")				
Grinding surface of table		1200x3000mm 47.2"x118.1"	1200x4000mm 47.2"x157.4"	1200x5000mm 47.2"x196.8"	1200x6000mm 47.2"x236.2"	1500x2200mm 59"x86.6"	1500x3000mm 59"x118.1"	1500x4000mm 59"x157.4"	1500x5000mm 59"x196.8"	1500x6000mm 59"x236.2"	
Hydraulic table speed (60Hz)		2-25(0.5-25)m/min / 80-1000(20-1000)inch/min									
Hydraulic motor		5.6KW / 7.5HPx1 3.7KW / 5HPx1	5.6KWx2 / 7.5HPx2	5.6KWx3 / 7.5HPx3	5.6KW / 7.5HPx1 3.7KW / 5HPx1	5.6KWx2 / 7.5HPx2	5.6KWx3 / 7.5HPx3	7.5KW / 10HPx1 5.6KW / 7.5HPx2			
Clearance between the columns		1400mm / 55.1"					1900mm / 74.8"				
Intermittent cross feed (Electro-Mechanical) approx.		0.1-35mm/feed / 0.1-1.4inch/feed									
Continuous cross feed (Electro-Mechanical) approx.		3mm/min / 120inch/min									
1 revolution on cross handwheel		10mm / 0.2"									
1 division on cross handwheel		0.05mm / 0.001"									
Rapid vertical traverse (approx.) (50Hz)		240mm/min / 9.4inch/min									
1 revolution on vertical handwheel		0.25mm / 0.01"									
1 division on vertical handwheel		0.002mm / 0.0001"									
Wheel dimension (O.DxWxI.D)-Standard		500x100x203.2mm / 20"x4"x8"									
Max. height from table top to bottom of standard wheel		600mm / 23.6"					850mm / 33.4"				
Horizontal head Spindle motor		11(15, 18.5)KW / 15(20, 25)HP									
Vertical head Spindle motor		7.5KW / 10HP									
Wheel speed 50 / 60Hz		1150 r.p.m.									
Net weight of machine		33000kg/72600lbs	37500kg/82500lbs	41000kg/90200lbs	45500kg/100100lbs	3400kg/74800lbs	39000kg/85800lbs	45000kg/99000lbs	50000kg/110000lbs	56000kg/123200lbs	
Gross weight of machine		37000kg/81400lbs	41000kg/90200lbs	46000kg/101200lbs	51500kg/113300lbs	37000kg/81400lbs	43000kg/94600lbs	49500kg/108900lbs	55000kg/121000lbs	62000kg/136400lbs	
Machine dimension (LxWxH)		8.4x2.9x3.5m 28x9.7x11.6ft	11.2x2.9x3.5m 37.3x9.7x11.6ft	13.4x2.9x3.5m 44.7x9.7x11.6ft	15.6x2.9x3.5m 52x9.7x11.6ft	6.6x3.5x3.8m 22x11.7x12.7ft	8.4x3.5x3.8m 28x11.7x12.7ft	11.2x3.5x3.8m 37.3x11.7x12.7ft	13.4x3.5x3.8m 44.7x11.7x12.7ft	15.6x3.5x3.8m 52x11.7x12.7ft	

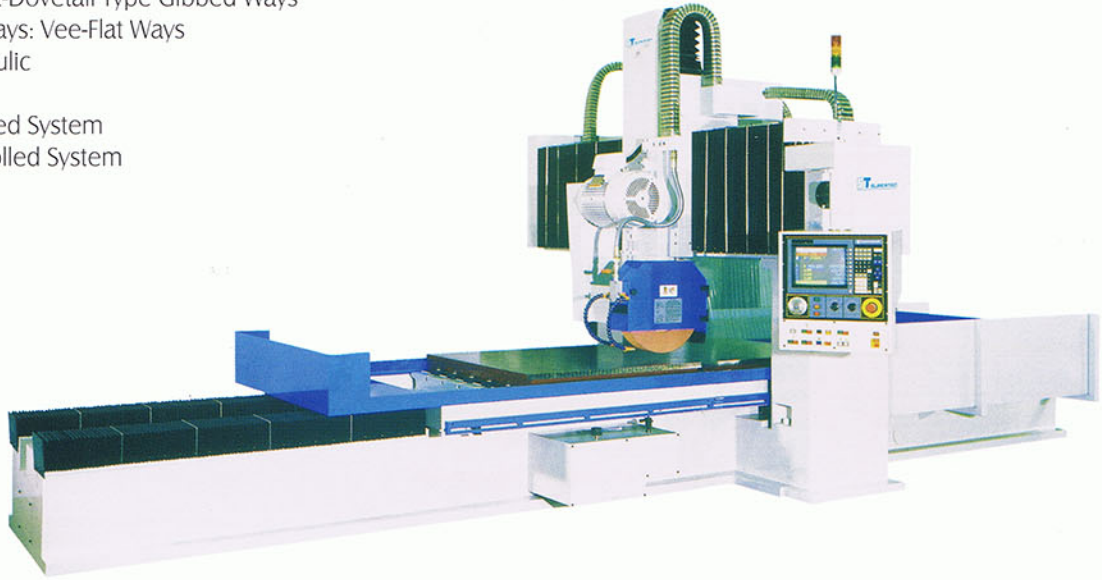
* A table mounted wheel dresser is available. This would reduce any standard longitudinal table travels by approx 300mm (approx 12")

DC-CNC SERIES

Cross Slideways: Flat-Dovetail Type Gibbed Ways
 Longitudinal Slideways: Vee-Flat Ways
 Longitudinal: Hydraulic

Cross: CNC Controlled System
 Vertical: CNC Controlled System

Controller: FANUC



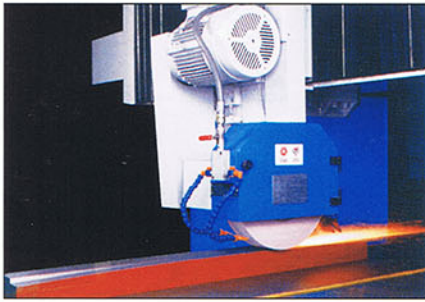
Specification	Models	DC-4047CNC	DC-4059CNC	DC-4086CNC	DC-40118CNC	DC-40158CNC	DC-40196CNC	DC-40236CNC	DC-4786CNC	
Max. cross x longitudinal travels		1200x1350mm 47.2"x53.1"	1200x1650mm 47.2"x64.9"	1200x2350mm 47.2"x92.5"	1200x3150mm 47.2"x124"	1200x4150mm 47.2"x163.3"	1200x5150mm 47.2"x202.7"	1200x6150mm 47.2"x242.1"	1400x2350mm 55.1"x92.5"	
Wheel bottom to table (Vertical head)		0-450(120-620)mm / 0-17.7"(4.7"-24.4")			0-500(180-680)mm / 0-19.6"(7"-26.7")				0-450(120-620)mm 0-17.7"(4.7"-24.4")	
Cross rail bottom to table-horizontal head		600(850)mm / 27.5"(37.4")								
Grinding surface of table(dresser mounted on wheelhead)		1000x1200mm 39.3"x47.2"	1000x1500mm 39.3"x59"	1000x2200mm 39.3"x86.6"	1000x3000mm 39.3"x118.1"	1000x4000mm 39.3"x157.4"	1000x5000mm 39.3"x196.8"	1000x6000mm 39.3"x236.2"	1200x2200mm 47.2"x86.6"	
Hydraulic table speed (60Hz)		200-25000mm/min / 8-1000inch/min								
Hydraulic motor		5.6KW / 7.5HP		7.5KW / 10HP	5.6KW / 7.5HPx1 3.7KW / 5HPx1		5.6KWx2 / 7.5HPx2		7.5KW / 10HP	
Clearance between the columns		1200mm / 47.2"								1400mm / 55.1"
Intermittent cross feed approx.		0.1-50mm/min / 0.001-2inch/min								
Continuous cross feed approx.		0-5000mm/min / 0-200inch/min								
Rapid vertical traverse		0-5000mm/min / 0-20inch/min								
Micro vertical infeed		0.001mm / 0.0001inch								
Wheel dimension (O.DxWxI.D)-Standard		500x100x203.2mm / 20"4"x8"								
Max. height from table top to bottom of standard wheel-horizontal head		600mm / 23.6"								
Horizontal head Spindle motor		11(15, 18.5)KW / 15(20, 25)HP								
Verical head spindle motor		7.5KW / 10HP								
Wheel speed 50/ 60Hz		1150 r.p.m.								
Net weight of machine		11000kg/24200lbs	13500kg/29700lbs	17500kg/38500lbs	32500kg/71500lbs	37000kg/81400lbs	40500kg/89100lbs	45000kg/99000lbs	18600kg/40920lbs	
Gross weight of machine		14000kg/30880lbs	16500kg/36300lbs	21500kg/47300lbs	36500kg/80300lbs	41500kg/91300lbs	45500kg/100100lbs	50000kg/110000lbs	22500kg/49500lbs	
Machine dimension (LxWxH)		4.3x2.9x3.4m 14.3x9.6x11.3ft	5.4x2.9x3.4m 18x9.6x11.3ft	6.6x2.9x3.4m 22x9.6x11.3ft	8.4x2.9x3.5m 28x9.6x11.6ft	11.2x2.9x3.5m 37.3x9.6x11.6ft	13.4x2.9x3.5m 44.6x9.6x11.6ft	15.6x2.9x3.5m 52x9.6x11.6ft	6.6x2.9x3.4m 22x9.6x11.3ft	

* A table mounted wheel dresser is available. This would reduce any standard longitudinal table travels by approx 300mm (approx 12")

CNC DOUBLE COLUMN TYPE SURFACE GRINDERS

DC-CNC SERIES

- Straightness of table movement in longitudinal direction 0.02mm/m.
- Straightness of table movement in transverse direction 0.02mm/m.
- Vertical travel of wheelhead square with table in transverse plane 0.01mm/100mm.



Specification	Models	DC-47118CNC	DC-47158CNC	DC-47196CNC	DC-47236CNC	DC-5986CNC	DC-59118CNC	DC-59158CNC	DC-59196CNC	DC-59236CNC	
Max. cross x longitudinal travels		1400x3150mm 55.1"x124"	1400x4150mm 55.1"x163.3"	1400x5150mm 55.1"x202.7"	1400x6150mm 55.1"x242.1"	1900x2350mm 74.8"x92.5"	1900x3150mm 74.8"x124"	1900x4150mm 74.8"x163.3"	1900x5150mm 74.8"x202.7"	1900x6150mm 74.8"x242.1"	
Wheel bottom to table (Vertical head)		0-500(180-680)mm / 0-19.6"(7"-26.7")				250-750(450-950)mm / 9.8"-29.5"(17.7"-37.4")					
Cross rail bottom to table-horizontal head		600(850)mm / 23.6"(33.4")				850(1100)mm / 33.4"(43.3")					
Grinding surface of table(dresser mounted on wheelhead)		1200x3000mm 47.2"x118.1"	1200x4000mm 47.2"x157.4"	1200x5000mm 47.2"x196.8"	1200x6000mm 47.2"x236.2"	1500x2200mm 59"x86.6"	1500x3000mm 59"x118.1"	1500x4000mm 59"x157.4"	1500x5000mm 59"x196.8"	1500x6000mm 59"x236.2"	
Hydraulic table speed (60Hz)		200-25000mm/min / 8-1000inch/min									
Hydraulic motor		5.6KW / 7.5HPx1 3.7KW / 5HPx1	5.6KWx2 / 7.5HPx2	5.6KWx3 / 7.5HPx3	5.6KW / 7.5HPx1 3.7KW / 5HPx1	5.6KWx2 / 7.5HPx2	5.6KWx3 / 7.5HPx3	7.5KW / 10HPx1 5.6KW / 7.5HPx2			
Clearance between the columns		1400mm / 55.1"				1900mm / 74.8"					
Intermittent cross feed approx.		0.1-50mm/min / 0.001-2Inch/min									
Continuous cross feed approx.		0-5000mm/min / 0-200Inch/min									
Rapid vertical traverse		0-500mm/min / 0-20Inch/min									
Micro vertical infeed		0.001mm / 0.0001Inch									
Wheel dimension (O.DxWxI.D)-Standard		500x100x203.2mm / 20"4"x8"									
Max. height from table top to bottom of standard wheel-horizontal head		600mm / 23.6"				850mm / 33.4"					
Horizontal head Spindle motor		11(15, 18.5)KW / 15(20, 25)HP									
Verical head spindle motor		7.5KW / 10HP									
Wheel speed 50/ 60Hz		1150 r.p.m.									
Net weight of machine		33500kg/37300lbs	38000kg/83600lbs	41500kg/91300lbs	46000kg/101200lbs	34500kg/75900lbs	39500kg/86900lbs	45500kg/100100lbs	50500kg/111100lbs	56500kg/124300lbs	
Gross weight of machine		37500kg/82500lbs	41500kg/91300lbs	46500kg/102300lbs	52000kg/114400lbs	37500kg/82500lbs	43500kg/95700lbs	50000kg/110000lbs	55500kg/122100lbs	62500kg/137500lbs	
Machine dimension (LxWxH)		8.4x2.9x3.5m 28x9.7x11.6ft	11.2x2.9x3.5m 37.3x9.7x11.6ft	13.4x2.9x3.5m 44.7x9.7x11.6ft	15.6x2.9x3.5m 52x9.7x11.6ft	6.6x3.5x3.8m 22x11.7x12.7ft	8.4x3.5x3.8m 28x11.7x12.7ft	11.2x3.5x3.8m 37.3x11.7x12.7ft	13.4x3.5x3.8m 44.7x11.7x12.7ft	15.6x3.5x3.8m 52x11.7x12.7ft	

* A table mounted wheel dresser is available. This would reduce any standard longitudinal table travels by approx 300mm (approx 12")

RG SERIES

Cross: Criss Cross Grind
Vertical: Auto Down Feed ADI

■ FEATURES

- * 5HP spindle Motor
- * 14" Grinding Wheel
- * Criss-Cross Grinding
- * MPG on Vertical Handwheel

■ STANDARD ACCESSORIES

- * Auto Down Feed ADC
- * AD1, 2-Axes Automatic Dresser & Auto Compensation
- * Round Electro Magnetic Chuck
- * Window Type Splash Guard & Coolant System



Notation: Bigger machines with table diameter, i.e., 43", 51", & 59" are available upon request.

Specification	Models	RG-16	RG-20	RG-24
Max. grinding radius		240mm / 9.4"	290mm / 11.4"	340mm / 13.3"
Spindle center height form table		380mm / 14.9"		500mm / 19.6"
Table diameter		400mm / 15.7"	500mm / 19.7"	600mm / 23.3"
Max. Table rotary speed		40-400 rpm	40-400 rpm	20-200 rpm
Table motor		0.75KW / 1HP		1.5KW / 2HP
Continuous cross feed approx		1000 mm/min / 40 rpm		
1 revolution on cross handwheel		4mm / 0.1"		5mm / 0.2"
1 division on cross handwheel		0.012mm / 0.0005"		0.025mm / 0.001"
Rapid vertical traverse (approx)(50Hz)		240 mm/min / 9.4 rpm		
1 revolution on vertical handwheel		MPG		
1 division on vertical handwheel		MPG		
Wheel dimension (O.Dx WxL.D)		355x38x127mm / 14"x1.5"x5"		355x50x127mm / 14"x2x5"
Spindle motor		3.7KW / 5HP		
Spindle speed 50 / 60Hz		1800 r.p.m.		
Net weight of machine		2800kg / 6160 lbs.	3000kg / 6600 lbs.	5000kg / 11000lbs.
Gross weight of machine		3400kg / 7480 lbs.	3700kg / 8140 lbs.	6000kg / 13200lbs.
Machine dimension (LxWxH)		1.6x1.9x2.1m / 5.2x6.2x7 ft.	1.8x1.9x2.1m / 6x6.3x7 ft.	2.5x1.9x2.6m / 8.2x6.2x8.5 ft.

Price is F.O.B. Paramount, CA. Prices and specifications subject to change without prior notice.

OPTIONAL ACCESSORIES



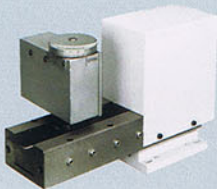
Electro/Permanent magnetic chuck



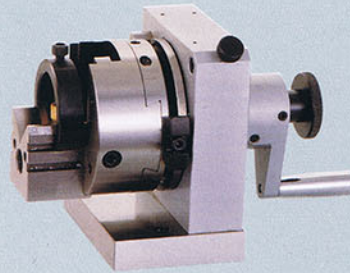
Inclinable Electro/Permanent magnetic chuck



Parallel dressing attachment (OA).



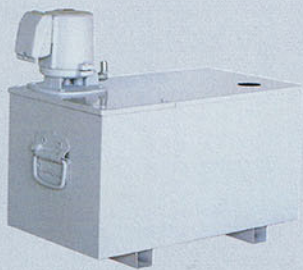
Auto-Parallel dressing attachment 2 axis full auto
(Electrical cross + Step control down)
With the exception of OA series



Punch former



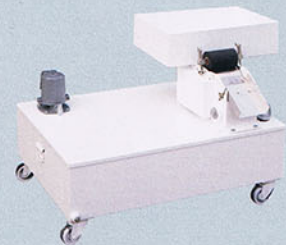
Radius and angle dresser



Cooling system



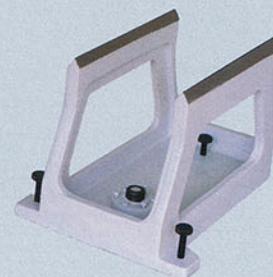
Automatic paper strip filter with/
without magnetic separator



Cooling system with magnetic separator



Wheel flange



Level type wheel balancer



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