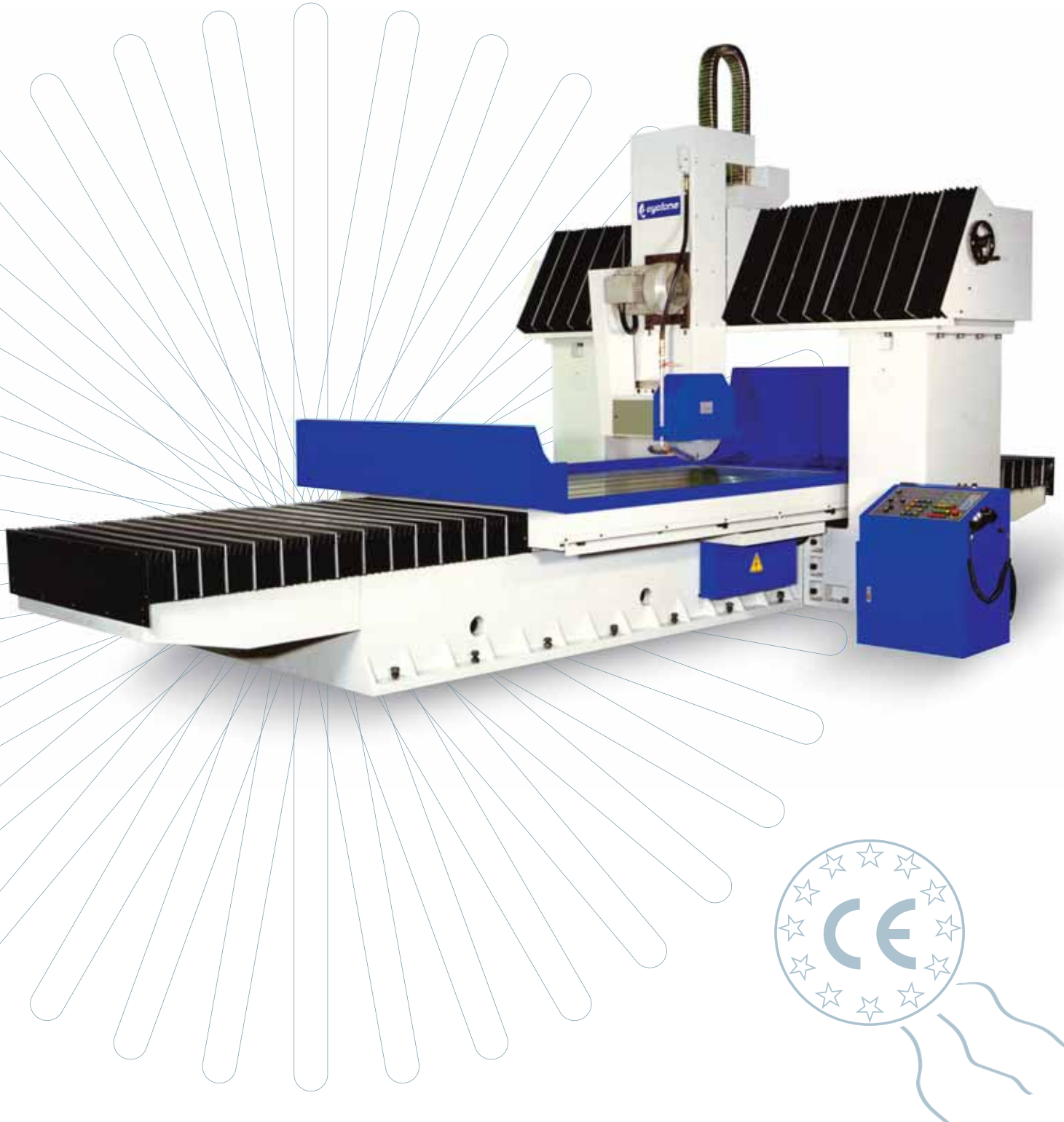


High Precision Double Column Type Surface Grinders



cyclone

DCG series



HIGH PRECISION DOUBLE COLUMN TYPE SURFACE GRINDERS

Main casting are using high tensile cast irons, well ribbed, tempered and stress relief for best rigidity and stability.



■ FEATURES:



The crossbeam is used slant guide designing and cooperating with high precision roller type linear guide, to have the strong structure, reduce to vibration and out of shape.



Column and cross sliding way are using high precision linear guide, ball screw and servo motor drive.



For Y, Z axis movement is operated by a manual pulse generator (M.P.G.) unit.

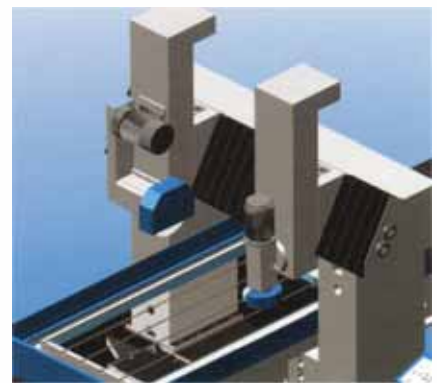
PE



The working table used stepless variable proportional valve in hydraulic system. Its speeds can be adjusted according to the conditions of work piece.



Continuous compulsory lubrication system.



An optional auxiliary wheel heads is available and to be mounted on the left hand side of over-arm for versatile grinding applications.

MACHINE SPECIFICATIONS :

Description/Model	Unit	DCG-120200AHR	DCG-120300AHR	DCG-120400AHR	DCG-120500AHR	DCG-120600AHR
		DCG-160200AHR	DCG-160300AHR	DCG-160400AHR	DCG-160500AHR	DCG-160600AHR
Working surface of table	mm	1200 x 2000 1600 x 2000	1200 x 3000 1600 x 3000	1200 x 4000 1600 x 4000	1200 x 5000 1600 x 5000	1200 x 6000 1600 x 6000
Max. table travel	mm	1300 x 2100 1700 x 2100	1300 x 3100 1700 x 3100	1300 x 4100 1700 x 4100	1300 x 5100 1700 x 5100	1300 x 6100 1700 x 6100
Max. surface ground	mm	1200 x 2000 1600 x 2000	1200 x 3000 1600 x 3000	1200 x 4000 1600 x 4000	1200 x 5000 1600 x 5000	1200 x 6000 1600 x 6000
Max. distance center of spindle to table	mm	1000				
Table speed	M/min	5-25				
Table guideway		V and V way				
Auto.cross feed increment	mm	0-50				
Power cross feed	mm/min	1050				
Cross feed with M.P.G.	mm		(X1) 0.1 mm (X1) 0.001 mm	(X5) 0.5 mm (X5) 0.005 mm	(X10) 1 mm (X10) 0.01 mm	
Rapid power head elevation	mm/min	600				
Auto. Down feed	optional	0.001-0.1				
Vertical down feed with M.P.G.	mm		(X1) 0.1 mm (X1) 0.001 mm	(X5) 0.5 mm (X5) 0.005 mm	(X10) 1 mm (X10) 0.01 mm	
Wheel speed	R.P.M.	1150				
Wheel dimension	mm	508 x76 x 203				
Spindle motor	HP	15				
Hydraulic pump motor	HP	10		15		20
Auto. Cross feed motor	kw	AC SERVO MOTOR 1 Kw				
Rapid head elevation motor	kw	AC SERVO MOTOR 1 Kw				
Coolant pump	HP	1/2 HP				
Machine net weight	kgs	20000 23000	24000 28000	28500 33000	33000 38000	37500 43000
Machine dimension (LxWxH)	cm	665x330x358 665x370x358	885x330x358 885x370x358	1105x330x358 1105x370x358	1325x330x358 1325x370x358	1545x330x358 1545x370x358

• L&W Machine Tools, Inc. reserves the right to alter any mechanical specification without prior notice in the interests of product development.

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