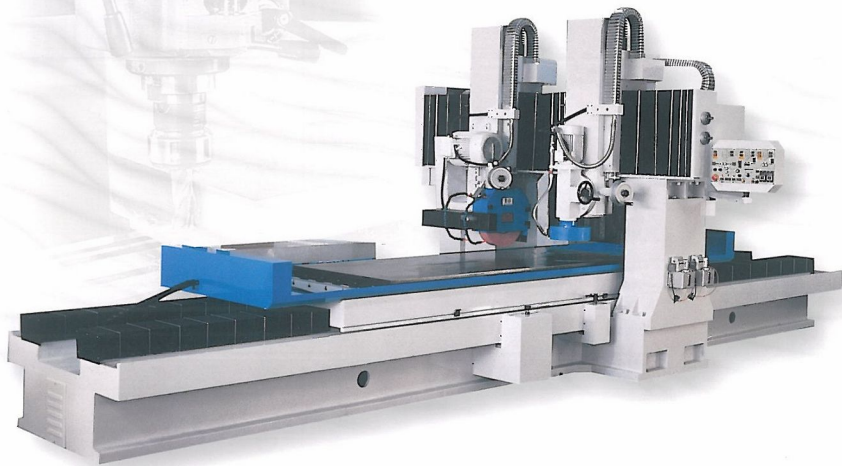


FREJO TH

DOUBLE COLUMN GUIDEWAY GRINDER



CONSTRUCTION-DESIGNS

- ① CROSS SLIDEWAYS=DOUBLE VEE-WAYS-AUTOMATIC-PLC BASE
- ② LONGITUDINAL SLIDEWAYS-VEE-FLAT WAYS-HYDRAULIC
- ③ VERTICAL-RAPID OR AUTO-DOWN FEED SYSTEMS

ACRA DOUBLE COLUMN GUIDEWAY GRINDERS

MACHINE FEATURES

CASTINGS-MAIN MACHINE PARTS ARE ANNEALED TWICE-1ST TREATMENT TAKES PLACE BEFORE MACHINING TO ELIMINATE THE INTERNAL STRESS GENERATED DURING FOUNDRY PROCESS. 2ND TREATMENT TAKES PLACE AFTER MACHINING AND BEFORE PRECISELY GRINDING, SCRAPPING WHICH TO REMOVE THE STRESS PRODUCED DURING CLAMPING, MILLING, BORING AND DRILLING OPERATIONS.

LOW-FRICTION COATED SURFACE-SLIDE-WAYS CONSISTS ONE CAST IRON SURFACE IN CONTACT WITH ONE SPECIAL LOW-FRICTION COATING, TO OVERCOME THE STICK-SLIP.

PRECISELY HAND-SCRAPPED SURFACE-SLIDE-WAYS ARE GUARANTEED PRECISELY SCRAPPED JOB REACH 20 OR MORE POINT PER SQUARE INCH.

LUBRICATIONS-

SPINDLE-USE HIGH-GRADE GREASE LUBRICATION.
TABLE WAYS-AUTOMATICALLY LUBRICATED WITH CARTRIDGE TYPE OIL FILTER. FILTER MESH-10 MICRONS.
LUBRICANT OIL DELIVERED TO SLIDE-WAY SIMULTANEOUSLY WHEN HYDRAULIC PUMP STARTS RUNNING.

LONGITUDINAL BASE-MADE OF FC30 CASE IRON WITH INTERNAL RIBS AT ONE-PIECE STRUCTURE. EXTENDED LONGER BASE APPROX. 2.5 TIME THAN THE TABLE. ENSURE TABLE-WORKING SURFACE ARE ALWAYS CONTACTED.

LONGITUDINAL TABLE WAYS-TABLE SLIDE-WAYS LONGER THAN LONGITUDINAL MOVEMENT. KEEP TABLE FREE FROM TORSION AND DEFLECTION.

GRINDING SPINDLE-CARTRIDGE DESIGN-EASILY MAINTENANCE, ACCESSIBILITY AND REPLACEMENT MULTIPLE ANTI-FRICTION BEARINGS ARE RADICALLY AND AXIALLY PLAY-FREE ADJUSTED.
RUN-OUT OF TAPER-NOSE GUARANTEED 0.0025MM (0.0001") T.I.R

GENERAL SPECIFICATIONS

SPECIFICATION	UNIT	ADGC-1012AHR	ADGC-1015AHR	ADGC-1022AHR	ADGC-1030AHR	ADGC-1040AHR	ADGC-1050AHR	ADGC-1060AHR	ADGC-1215AHR	ADGC-1222AHR	ADGC-1230AHR	ADGC-1240AHR	ADGC-1250AHR	ADGC-1500AHR	ADGC-1550AHR	ADGC-1560AHR
MAX CROSS LONGITUDINAL TRAVELS	mm (in.)	1200x1350 (48x54)	1200x1650 (48x66)	1200x2350 (48x94)	1200x3150 (48x126)	1200x4150 (48x166)	1200x5150 (48x206)	1200x6000 (48x246)	1200x8150 (48x326)	1200x10200 (48x406)	1200x12200 (48x486)	1200x14200 (48x566)	1200x16200 (48x646)	1500x2000 (60x80)	1500x2500 (60x100)	1500x3000 (60x120)
WHEEL BOTTOM TO TABLE (VERTICAL HEAD)	mm/in.	270-940 (10-33.6)	270-940 (10-33.6)	270-940 (10-33.6)	270-940 (10-33.6)	270-940 (10-33.6)	270-940 (10-33.6)	270-940 (10-33.6)	270-940 (10-33.6)	270-940 (10-33.6)	270-940 (10-33.6)	270-940 (10-33.6)	270-940 (10-33.6)	450-1000 (18-40)	450-1000 (18-40)	450-1000 (18-40)
HIGHT FROM TABLE TO THE BOTTOM OF CROSS RAIL	mm/in.	600 (850) / 24 (34)	600 (850) / 24 (34)	600 (850) / 24 (34)	600 (850) / 24 (34)	600 (850) / 24 (34)	600 (850) / 24 (34)	600 (850) / 24 (34)	600 (850) / 24 (34)	600 (850) / 24 (34)	600 (850) / 24 (34)	600 (850) / 24 (34)	600 (850) / 24 (34)	850 (1100) / 34 (44)	850 (1100) / 34 (44)	850 (1100) / 34 (44)
GRINDING SURFACE OF TABLE	mm (in.)	1000x1200 (40x48)	1000x1500 (40x60)	1000x2200 (40x88)	1000x3000 (40x120)	1000x4000 (40x160)	1000x5000 (40x200)	1000x6000 (40x240)	1000x8000 (40x320)	1000x10000 (40x400)	1000x12000 (40x480)	1000x14000 (40x560)	1000x16000 (40x640)	1200x6000 (48x240)	1200x8000 (48x320)	1200x10000 (48x400)
HYDRAULIC TABLE SPEED (60HZ)	mm/min	2-25 (0.05-25)	2-25 (0.05-25)	2-25 (0.05-25)	2-25 (0.05-25)	2-25 (0.05-25)	2-25 (0.05-25)	2-25 (0.05-25)	2-25 (0.05-25)	2-25 (0.05-25)	2-25 (0.05-25)	2-25 (0.05-25)	2-25 (0.05-25)	2-25 (0.05-25)	2-25 (0.05-25)	2-25 (0.05-25)
CLEARANCE BETWEEN THE COLUMNS	mm/in.	1200 / 48	1200 / 48	1200 / 48	1200 / 48	1200 / 48	1200 / 48	1200 / 48	1200 / 48	1200 / 48	1200 / 48	1200 / 48	1200 / 48	1400 / 56	1400 / 56	1400 / 56
INTERMITTENT CROSS FEED (ELECTRO-MECHANICAL) APPROX.	feed mm/in.	0.1-35 / 0.1-1.4	0.1-35 / 0.1-1.4	0.1-35 / 0.1-1.4	0.1-35 / 0.1-1.4	0.1-35 / 0.1-1.4	0.1-35 / 0.1-1.4	0.1-35 / 0.1-1.4	0.1-35 / 0.1-1.4	0.1-35 / 0.1-1.4	0.1-35 / 0.1-1.4	0.1-35 / 0.1-1.4	0.1-35 / 0.1-1.4	0.1-35 / 0.1-1.4	0.1-35 / 0.1-1.4	0.1-35 / 0.1-1.4
CONTINUOUS CROSS FEED (ELECTRO-MECHANICAL) APPROX.	mm/min	3000 / 120	3000 / 120	3000 / 120	3000 / 120	3000 / 120	3000 / 120	3000 / 120	3000 / 120	3000 / 120	3000 / 120	3000 / 120	3000 / 120	3000 / 120	3000 / 120	3000 / 120
1 REVOLUTION ON CROSS HANDWHEEL	mm/in.	10 / 0.4	10 / 0.4	10 / 0.4	10 / 0.4	10 / 0.4	10 / 0.4	10 / 0.4	10 / 0.4	10 / 0.4	10 / 0.4	10 / 0.4	10 / 0.4	10 / 0.4	10 / 0.4	10 / 0.4
1 REVOLUTION ON CROSS HANDWHEEL	mm/in.	0.05 / 0.001	0.05 / 0.001	0.05 / 0.001	0.05 / 0.001	0.05 / 0.001	0.05 / 0.001	0.05 / 0.001	0.05 / 0.001	0.05 / 0.001	0.05 / 0.001	0.05 / 0.001	0.05 / 0.001	0.05 / 0.001	0.05 / 0.001	0.05 / 0.001
RAPID VERTICAL TRAVERSE (APPROX)	mm/min	300 / 12	300 / 12	300 / 12	300 / 12	300 / 12	300 / 12	300 / 12	300 / 12	300 / 12	300 / 12	300 / 12	300 / 12	300 / 12	300 / 12	300 / 12
1 REVOLUTION ON VERTICAL HANDWHEEL	mm/in.	0.25 / 0.01	0.25 / 0.01	0.25 / 0.01	0.25 / 0.01	0.25 / 0.01	0.25 / 0.01	0.25 / 0.01	0.25 / 0.01	0.25 / 0.01	0.25 / 0.01	0.25 / 0.01	0.25 / 0.01	0.25 / 0.01	0.25 / 0.01	0.25 / 0.01
1 DIVISION ON VERTICAL HANDWHEEL	mm/in.	0.002 / 0.0001	0.002 / 0.0001	0.002 / 0.0001	0.002 / 0.0001	0.002 / 0.0001	0.002 / 0.0001	0.002 / 0.0001	0.002 / 0.0001	0.002 / 0.0001	0.002 / 0.0001	0.002 / 0.0001	0.002 / 0.0001	0.002 / 0.0001	0.002 / 0.0001	0.002 / 0.0001
WHEEL MOTOR	mm/in.	500x100x200 / 20x4x8	500x100x200 / 20x4x8	500x100x200 / 20x4x8	500x100x200 / 20x4x8	500x100x200 / 20x4x8	500x100x200 / 20x4x8	500x100x200 / 20x4x8	500x100x200 / 20x4x8	500x100x200 / 20x4x8	500x100x200 / 20x4x8	500x100x200 / 20x4x8	500x100x200 / 20x4x8	500x100x200 / 20x4x8	500x100x200 / 20x4x8	500x100x200 / 20x4x8
SPINDLE MOTOR	rpm	11 (15, 18.5) / 15 (20, 25)	11 (15, 18.5) / 15 (20, 25)	11 (15, 18.5) / 15 (20, 25)	11 (15, 18.5) / 15 (20, 25)	11 (15, 18.5) / 15 (20, 25)	11 (15, 18.5) / 15 (20, 25)	11 (15, 18.5) / 15 (20, 25)	11 (15, 18.5) / 15 (20, 25)	11 (15, 18.5) / 15 (20, 25)	11 (15, 18.5) / 15 (20, 25)	11 (15, 18.5) / 15 (20, 25)	11 (15, 18.5) / 15 (20, 25)	11 (15, 18.5) / 15 (20, 25)	11 (15, 18.5) / 15 (20, 25)	11 (15, 18.5) / 15 (20, 25)
WHEEL SPEED (60GHZ)	rpm	10500	13000	17000	32000	35500	40000	44500	48000	52500	57000	61500	66000	70500	75000	80000
NET WEIGHT OF MACHINE	kg	23100	28600	37400	70400	80300	88000	97900	108000	118000	128000	138000	148000	158000	168000	178000
GROSS WEIGHT OF MACHINE	kg	13500	16000	21000	36000	41000	45000	49500	54000	58500	63000	67500	72000	76500	81000	85500
MACHINE DIMENSION (LxWxH)	m / ft	14.3x2.9x3.4 (47x9.5x11)	14.3x2.9x3.4 (47x9.5x11)	14.3x2.9x3.4 (47x9.5x11)	14.3x2.9x3.4 (47x9.5x11)	14.3x2.9x3.4 (47x9.5x11)	14.3x2.9x3.4 (47x9.5x11)	14.3x2.9x3.4 (47x9.5x11)	14.3x2.9x3.4 (47x9.5x11)	14.3x2.9x3.4 (47x9.5x11)	14.3x2.9x3.4 (47x9.5x11)	14.3x2.9x3.4 (47x9.5x11)	14.3x2.9x3.4 (47x9.5x11)	14.3x2.9x3.4 (47x9.5x11)	14.3x2.9x3.4 (47x9.5x11)	14.3x2.9x3.4 (47x9.5x11)

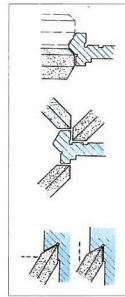
* THE DESIGN AND SPECIFICATIONS OF THE MACHINE ARE SUBJECT TO CHANGES WITHOUT FURTHER NOTICE

STANDARD ACCESSORIES



- 1 WHEEL
- 2 WHEEL BALANCER
- 3 WHEEL BALANCING ARMOR
- 4 WHEEL FLANGE
- 5 TABLE MOUNTED DIAMOND DRESSER
- 6 TOOLS

GRINDING EXAMPLES



OPTIONAL ACCESSORIES

- 1 REAR SIDE COOLANT BAFLE
- 2 WINDOW TYPE SPARK GUARD
- 3 REAR SIDE COOLANT TANK
- 4 CROSS MICROMETER ATTACHMENT
- 5 ELECTROPERMANENT MAGNETIC CHUCK
- 6 INCLINABLE ELECTROPERMANENT MAGNETIC CHUCK
- 7 PARALLEL DRESSING ATTACHMENT (MANUAL TYPE)
- 8 PARALLEL DRESSING ATTACHMENT 2 AXIS FULL AUTO
- 9 HYDRAULIC CROSS-STAGE CONTROL DOWN
- 10 COOLING SYSTEM
- 11 DUST-SUCTION COOLING SYSTEM
- 12 AUTOMATIC PAPER STRIP FILTER WITH/WITHOUT MAGNETIC SEPARATOR
- 13 COOLING SYSTEM WITH MAGNETIC SEPARATOR
- 14 WHEEL RANGE
- 15 LEVEL TYPE WHEEL BALANCER



FREJOOTH INTERNATIONAL LTD.

8F #501 SEC.2 WU CHUAN W. RD. TAICHUNG 408, TAIWAN, R.O.C.
TEL:886-4-3816977 FAX:886-4-3813584.3813769 E-mail:frejooth@iccts.seed.net.tw