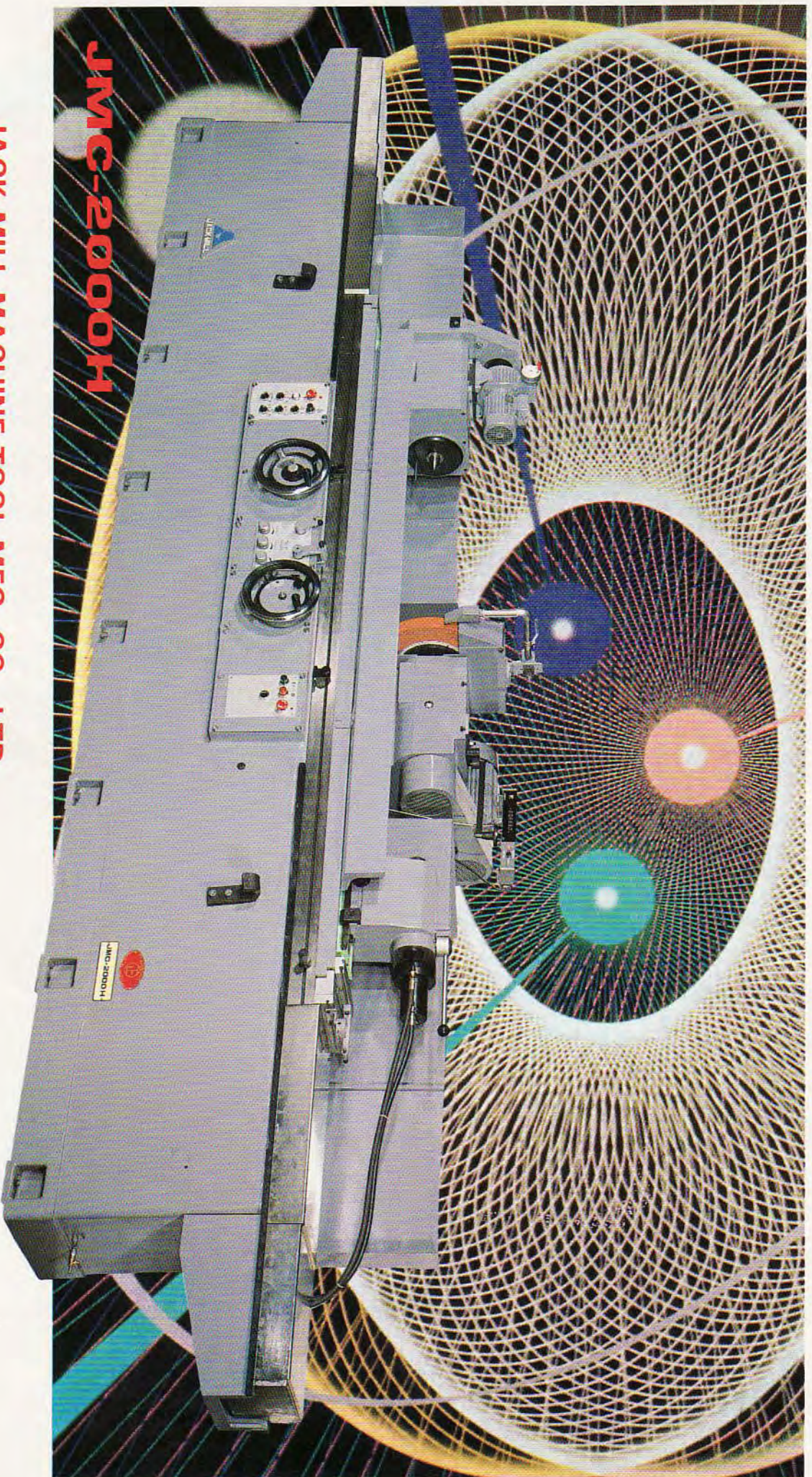




**UNIVERSAL CYLINDRICAL GRINDING MACHINE**  
**JMC-400, 600, 650, 1000, 1500, 2000**



**JACK MILL MACHINE TOOL MFG. CO., LTD.**



# M.A.H.AGC.DAS TYPE

SPECIFICATION		MODEL	JMC-400 / 600	JMC-650 / 1000	JMC-1500 / 2000
CAPACITY	DISTANCE BETWEEN CENTERS	M.M.	400 / 600	650 / 1000	1500 / 2000
	MAX. GRINDING DIAMETER	M.M.	φ260 (φ300)	φ300 (φ400)	φ400
	HYDRAULIC TANK-CAPACITY	L	52	63	80
	COOLANT TANK-CAPACITY	L	72	100	100
TABLE	TRAVERSE SPEED	MM/MIN	75-3000	50-2500	50-2000
	TRAVEL PER HANDWHEEL ROTATION	MM/REV	13	13	10
	SWIVEL ANGLE-CLOCKWISE	°	12/0	3/0	4/3
	SWIVEL ANGLE-COUNTER CLOCKWISE	°	7/12	10/9	8/6
HEADSTOCK & TAILSTOCK	HEADSTOCK WORK CENTER	M.T.	NO.4	NO.4 (NO.5)	NO.5
	TAILSTOCK WORK CENTER	M.T.	NO.3 (NO.4)	NO.4	NO.5
	WORKHEAD SWIVEL ANGLE-CLOCKWISE	°	30°	30°	30°
	WORKHEAD SWIVEL ANGLE-COUNTER CLOCKWISE	°	90°	90°	90°
	WORKHEAD SPINDLE SPEED	R.P.M.	100,138,190,262,362,500	20-100, 60-380	20-100, 60-380
WHEELHEAD	GRINDING WHEEL SPINDLE SPEED	R.P.M.	2085, 2495	1530, 1800	1310, 1540
	GRINDING WHEEL SIZE (OD. × WIDTH × ID.)	M.M.	φ350 × 25-32 × φ127	φ405 × 38-50 × φ127	φ510 × 50-75 × φ203.2
	IN-FEED PER GRADUATION OF HANDWHEEL(φ)	M.M.	0.005	0.005	0.005
	IN-FEED PER REVOLUTION OF HANDWHEEL(φ)	M.M/REV	2	2	2
	RAPID IN-FEED STROCK (H.AGC.DAS)	M.M/MIN	40	40	40
	GRINDING WHEEL SWIVEL	°	±30	±30	±30
	INTERNAL GRINDING WHEEL SPINDLE SPEED	R.P.M	16000	14000, 18000, 20000	14000 18000, 20000
ELECTRIC MOTORS	WHEEL DRIVE MOTOR	K.W.	3.7(4P)	5.5(4P)	7.5(4P)
	WORK SPINDLE MOTOR	K.W.	0.4	0.75	1.5
	HYDRAULIC PUMP MOTOR	K.W.	AC 0.75	AC 1.5	AC 2.25
	WHEEL SPINDLE LUBRICATOR MOTOR	K.W.	0.2	0.2	0.4
	COOLANT PUMP MOTOR	K.W.	0.1	0.2	0.2
	SLIDE WAYS LUBRICATOR MOTOR	K.W.	0.1	0.1	0.1
	SURFACE REQUIRED	M.M.	1700 × 1800 / 2120 × 1900	2210 × 2000 / 2970 × 2000	5000 × 2200 / 6000 × 2200
	NET WEIGHT	KGS	1800 / 1900	2600 / 3500	5000 / 6000

## STANDARD MODELS:

- M** ..... Hand traverse and hand wheel feed  
**A** ..... Hydraulic traverse  
**H** ..... Hydraulic traverse, rapid approach and retraction  
**AGC** ..... Automatic grinding cycle, with hydraulic traverse, rapid approach and retraction, automatic coarse and fine feed and spark-out  
**DAS** ..... Automatic grinding cycle with hydraulic traverse, rapid approach and retraction, automatic coarse and fine feed, and spark-out, with direct auto-sizing (use with italy marposs E9)

## STANDARD ACCESSORIES:

- |   |  |
|---|--|
| ① Swivel base motor-driven headstock                                  | ⑦ Diamond dresser holder                         |
| ② Lever operated footstock  | ⑧ Standard coolant supply unit                   |
| ③ Headstock & Footstock centers                                       | ⑨ Lubricant supply unit                          |
| ④ Grinding wheel  | ⑩ Table swivel indicator including dia indicator |
| ⑤ Wheel flange and extractor  | ⑪ Splashing guard                                |
| ⑥ Wheel head motor pulleys, large and small diameter for speed change | ⑫ Necessary hand tool                            |

## ADDITIONAL EQUIPMENTS:

- ⑬ Internal grinding attachment  
 Specifications: 400/600 Model: φ20-φ50MM Bores Dia  
 650/1000 Model: φ25-φ60MM Bores Dia  
 1500/2000 Model: φ25-φ60MM Bores Dia
- ⑭ 3-Point steady rest  
 ⑮ 2-Point steady rest  
 ⑯ 3-Jaw self-centering chuck and plate  
 ⑰ 4-Jaw independent chuck and plate  
 ⑱ Permanent magnetic chuck and plate  
 ⑲ Roll coolant magnetic clarifier  
 ⑳ Dust collector  
 ㉑ Radius wheel truing attachment  
 ㉒ Angular wheel truing attachment  
 ㉓ Spare wheel flange  
 ㉔ Spare grinding wheel  
 ㉕ Static balancing Unit  
 ㉖ Carbide tipped full and half centers (1PC half, 1PC full)  
 ㉗ Work carrier  
 ㉘ Grinding gage for manual sizing (use only without I.D.)  
 ㉙ Hydraulic wheel dresser holder (use only when without I.D. Attachment)  
 ㉚ Wheel micro infeed attachment  
 (This is standard equipment for AGC or DAS model)

