

MDAT TYPE

ROTARY AXIS · TILTING AXIS

2 AXIS NC ROTARY TABLE

**BOTH MULTIPLE FACE CUTTING AND TILTING
AXES ARE NUMERICALLY CONTROLLED**

**MDAT 173D(A)(B)
MDAT 232DS(AS)(BS)
MDAT 322DS(AS)(BS)
MDAT 400DS(AS)(BS)
MDAT 403DS(AS)(BS)
MDAT 630D(A)(B)**

Note:()means that for higher indexing accuracy, the model with rotary scale built-in is available upon request.

SPECIFICATION

ITEMS	MODEL	MDAT173D		MDAT232DS		MDAT322DS		MDAT400DS		MDAT403DS		MDAT630D	
		ROTARY AXIS	TILTING AXIS	ROTARY AXIS	TILTING AXIS	ROTARY AXIS	TILTING AXIS	ROTARY AXIS	TILTING AXIS	ROTARY AXIS	TILTING AXIS	ROTARY AXIS	TILTING AXIS
TABLE DIAMETER	mm	175		230		320		400		400		630	
TABLE HEIGHT IN HORIZONTAL	mm	265		295		420		490		490		705	
OVERALL HEIGHT AT 90 ° TILTED	mm	330		335		525		595		595		880	
CENTER HEIGHT AT 90 ° TILTED	mm	210		210		345		385		385		560	
THRU HOLE DIAMETER	mm	18		60		115		170		170		254	
WIDTH OF T-SLOT	mm			12		14		14		14		18	
WIDTH OF GUIDE BLOCK	mm(h7)	18											
PERMISSIBLE LOAD	kg	30		80		100		200		200		500	
MAX MACHINING FORCE	N-m	343		735		1117		1470		1470		3136	
	kg-m	35		75		114		150		150		320	
WEIGHT	kg	290		295		450		950		950		2600	
GEAR RATIO		1/90	1/360	1/120	1/120	1/120	1/180	1/180	1/180	1/60	1/180	1/360	1/360
MAX. R.P.M	r.p.m.	33.3	5.5	16.7	5.0	16.7	4.0	8.3	4.0	33.3	5.5	5.5	2.0
MIN. INDEXING UNIT	degree	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
INDEXING ACCURACY	sec	45(10)	45(10)	14(6)	45(10)	12(6)	45(10)	12(6)	45(10)	12(6)	45(10)	12(6)	45(10)
REPEATABILITY	sec	± 2(3)	± 3(3)	± 2(2)	± 3(3)	± 2(2)	± 3(3)	± 2(2)	± 3(3)	± 2(2)	± 3(3)	± 2(2)	± 3(3)
CLAMPING FORCE	N-m	284	808	333	1615	2156	2489	2156	3895	2156	3895	1627	7077
	kg-m	29	85	34	170	220	262	220	410	220	410	166	416
HYDRAULIC PRESSURE	MPa	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
	kg/cm ²	50	50	50	50	50	50	50	50	50	50	50	50
MOTOR(FANUC)		3/3000	3/3000	3/3000	3/3000	6/2000	6/2000	12/2000	12/2000	22/2000	22/2000	22/2000	22/2000

