

**Eastern Electromechanics Industrial Limited**

**Main Products:**

CNC spindle motor / AC servo system / AC DC motors / PLC /Inverters /Gearheads etc

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远东机电

# CNC router spindle motor

Eastern Electromechanics Industrial Limited

ADD: No4, DaSha Cun , DaSha Rd, DaLingShan Town , DongGuan city, Guangdong province China



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## **Company Profile**

We Eastern Electromechanics Industrial Limited focus on continuously developing all kinds of spindles ; carefully manufacturing ,digital design ,digital applications for the concept of production ,efforts to promote precision ,high-speed machining is widely used in a unique way turning ,grinding ,milling ,carving and many other fields .

Our growth & Development have a high level of professionalism ,technical excellence and experienced staff ,to explore efforts to fighting spirit ,so that our spindle products have a good reputation in the application areas .Consistent communication with customers to explore the processing requirements ,process approach to develop solutions that create value for customers ;

The main products include : electric spindles series ,mechanical spindle series ,special spindle series ,a total of three categories more than 500 varieties ;

We will continue to work as a customer trust business, we will provide more good and cost-efficient choice for all of our clients !



# DIRECTORY

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MRZ series (air cooling).....5-6

MRH series (water cooling).....7-9

MRD series (water cooling with lower speed).....10-11

MT series (water cooling with bigger toqur).....12-13

MCJ series (cnc turning spindle motor).....14-15

MBT series (cnc ATC belt-driven spindle motor ).....16-17

AMT series (cnc pneumatic automatic tool changer).....18-19

MRX seires(newly OEM spindle motor).....20-21



## BRIEF INTRODUCTION

Name : CNC router spindle

Usage :CNC manufacture

Type:Auto accessories

Trade mark : MT

Original :China

Standard :CCC / CE

Production capacity:2500PCs /month

Package: standard export wooden case package

HS Code: 84669300

### NOTE:

1 Delivery :usually with stock ; or need around 3-15 days preparation

2 Quaity:with 1-year or 12000 hours quality guarantee

3 Accuracy:<=0.002mm

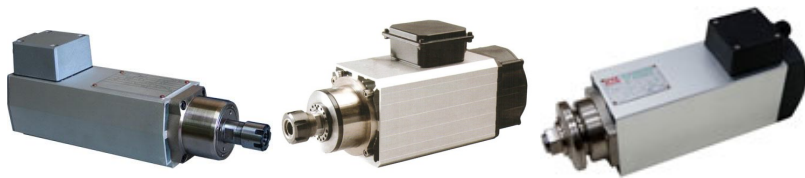
4 Noise:<= 45 Db



# PRODUCTS DETAIL SPEC

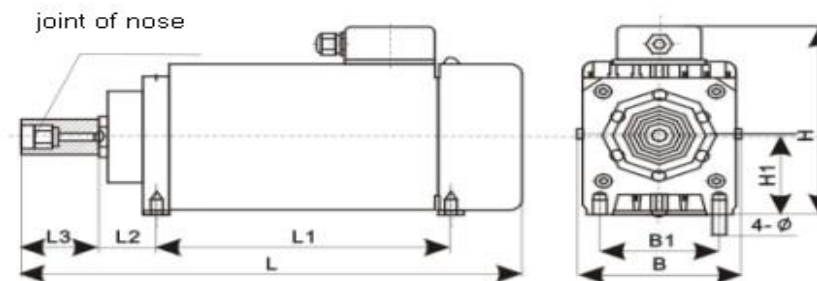
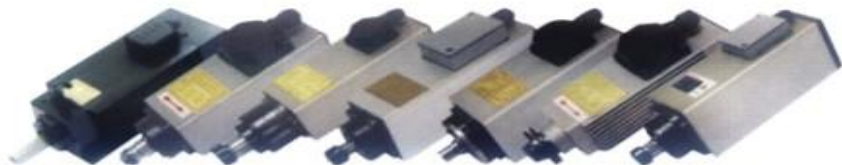
## 1. CNC Air Cooling Spindle (MRSeries)

### A) Pictures



### B) DRAWING

Air cooling cnc high speed spindle motor



**C) Product Table**

Type	Speed	Torque (N. m)	Kw	V	A	Hz	Dimensions (mm)									joint of nose	lub	Cool	Kg	Bearings type (NSK)
							L	L3	L2	L1	B	B1	H	H1	4-					
MRZ350	12000	0.2	0.35	380 220	0.8 2.0	200	250	25	50	80	69	22	95	28	M6	ER11	Grease	Air	3	2*7004CP5 1*7002CP5
MRZ750	18000	0.4	0.75	380 220	2.0 3.6	300	250	25	50	80	69	22	95	28	M6	ER16			3	2*7004CP4 1*7002CP4
MRZ1100	24000	0.6	1.1	220	3.3	400	260	27	53	120	70	38	115	42	M6	ER16			5	2*7005CP4 1*7002CP4
MRZ1500	24000	0.8	1.5	220	6.5	400	305	27	53	120	70	38	115	42	M6	ER20			5	2*7005CP4 1*7002CP4
MRZ2200	24000	1.2	2.2	380 220	3.6 5.6	300	282	27	55	150	92	52	145	53	M6	ER20			8.1	2*7005CP4 1*7204CP4
MRZ3000	18000	1.6	3	380	7.9	300	364	27	55	150	92	52	143	53	M8	ER25			13	2*7007CP4 1*7204CP4
MRZ4500	18000	2.4	4.5	380	9.5	300	326	35	67	180	106	70	157	60	M8	ER25			13	2*7007CP4 1*7204CP4



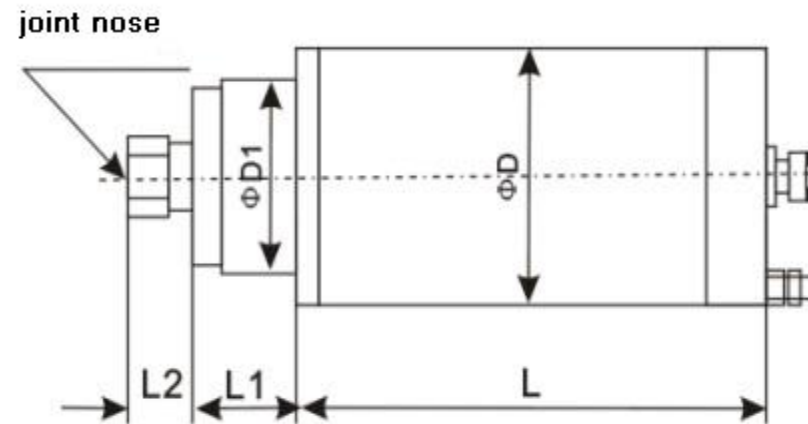
## 2. CNC Spindle Cutting / Drilling Motor (MRH SERIES)

### A )pictures



### B )RAWING

## Permanent-torque high speed cnc router spindle





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C)Product Table

spindle	speed	spindle motor						size				cooling	Lub	Bearings type	kg
type	(r/min)	rated power	voltage	current	frequency	D	D1	Jointofnose	L	L1	L2				
		KW	V	A	HZ										
MRHZ90	40000	0.095	36	1.4	667	48	40	ϕ 3.175	115	6	23	self-cooling	Lubrication	1×C36018/1×C36100	1.8
MRH300	60000	0.3	75	1.5	1000	48	42	ϕ 3.175	124	6	23	water-cooling		NSK:1×7001CP5/C36018	2
MRHZ400	40000	0.4	110	1.2	667	58	49	ϕ 3.175-ϕ 6	172	6	18	self-cooling		NSK:1×7002CP4/1×7001CP4	2.5
MRHZ800	24000	0.8	220	2.5	400	60	56	ϕ 3.175-ϕ 6	203	10	19	self-cooling		NSK:1×7002CP4/1×7001CP4	3.5
MRH800	40000 24000	0.8	220	2.5	667 400	65	48	ϕ 3.175-ϕ 6	172	6	18	water-cooling		NSK:1×7002CP4/1×7001CP4	3.5
MRH800I	40000 24000	0.8	220	2.5	667 400	62	58	ϕ 3.175-ϕ 7	197	12	17	water-cooling		NSK:1×7002CP4/1×7001CP4	3.5
MRH800II	40000 24000	0.8	220	2.5	667 400	58	58	ϕ 3.175-ϕ 7	209	12	15	water-cooling		NSK:1×7002CP4/1×7001CP4	4
MRH1000	24000	1	220	4	400	62	62	ϕ 3.175-ϕ 7	200		15	water-cooling		NSK:1×7002CP4/1×7001CP4	
MRH1200	40000	1.2	220	4	667	62	58	ϕ 3.175-ϕ 7	210	6	15	water-cooling		NSK:2×7002CP4/1×7001CP4	4.5
MRH1500	40000	1.5	220	5	667	80	60	ϕ 3.175-ϕ 7	185	10	20	water-cooling		NSK:1×7002CP4/1×7001CP4	5
MRH1500I	24000	1.5	220	4.7	400	80	60	ϕ 3.175-ϕ 10	212	13	31	water-cooling		NSK:2×7004CP4/2×7001CP4	7.5
MRH1500II	24000	1.5	220	4.7	400	85	65	ϕ 3.175-ϕ 10	212	13	31	water-cooling		NSK:2×7005CP4/2×7001CP4	7.5
MRH2200	24000	2.2	220	6	400	80	60	ϕ 3.175-ϕ 13	277	13	22	water-cooling		NSK:2×7005CP4/2×7002CP4	10





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MRH2200I	24000	2.2	220 380	6	400	100	79	Φ 3.175-Φ 13	248	18	22	water-cooling		NSK:2×7005CP5/2×7002CP5	9
MRH3000	24000	3	380	6	400	105	84	Φ 3.175-Φ 13	250	18	25	water-cooling		NSK:2×7005CP5/2×7004CP5	12
MRH3500	24000	3.5	380	8	400	105	84	Φ 3.175-Φ 13	290	18	25	water-cooling		NSK:2×7007CP5/2×7205CP5	15
MRH4500	24000	4.5	380	8	400	125	84	Φ 3.175-Φ 16	298	13	28	water-cooling		NSK:2×7007CP5/2×7205CP5	15
MRH5500	24000	5.5	380	10.5	400	125	98	Φ 3.175-Φ 16	325	54	36	water-cooling		NSK:2×7009CP5/2×7206CP5	28
MRH7500	18000	7.5	380	15	300	150	109	Φ 3.175-Φ 20	343	48	45	water-cooling		NSK:2×7009CP5/2×7205CP5	40



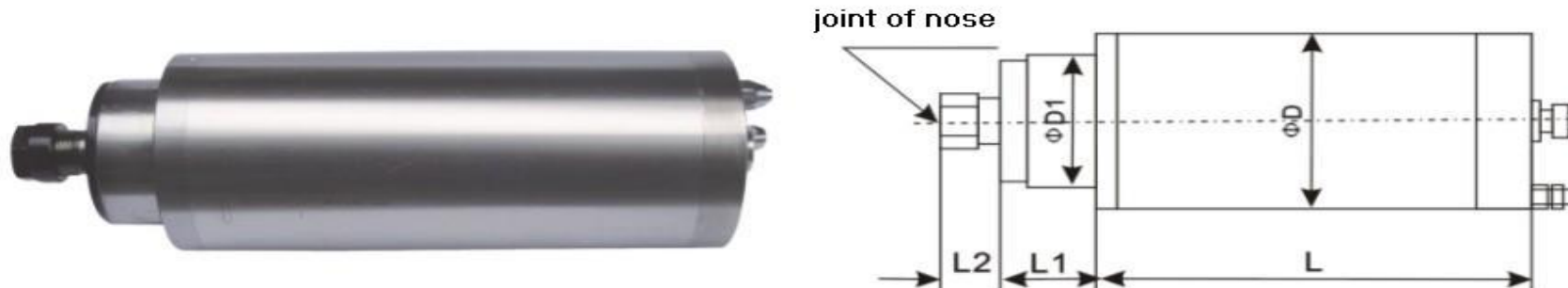
### 3High Speed CNC milling/Cutting Spindle Motor (MRD series )

#### A)Pictures



#### B)DRAWING

### Permanent-frequency high speed cnc router spindle



**C )Product Table**

Type	Permanent Power spindle						Dimensions (mm)						lub	Cool	Bearings type (NSK)	kg
	Speed (r/min)	KW	NM	V	A	HZ	D	D1	joint of nose	L	L1	L2				
MRD1500	12000/ 24000	1.5	2.38/ 1.19	220	5	400	80	68	ER20	230	13	15	Lub	water	2*7005CP4 2*7004CP4	9
MRD2200-1	12000	2.2	3.5	220	6	400	80	68	ER20	277	13	15			2*7005CP4 2*7004CP4	13
MRD2200-2	24000	2.2	3.5	380	5.9	400	105	78	ER20	262	21	29			2*7006CP4 2*7004CP4	16
MRD4000	21000	4	3.64	380	9.1	700	120	98	ER25	345	38	32			2*7007CP4 2*7005CP4	22
MRD5000	12000	5	5.31	380	10	400	125	92	ER25	300	15	20			2*7007CP4 2*7005CP4	24
MRD7500	18000	7.5	7.96	380	16.5	600	140	98	ER32	415	38	39			2*7007CP4 2*7005CP4	48

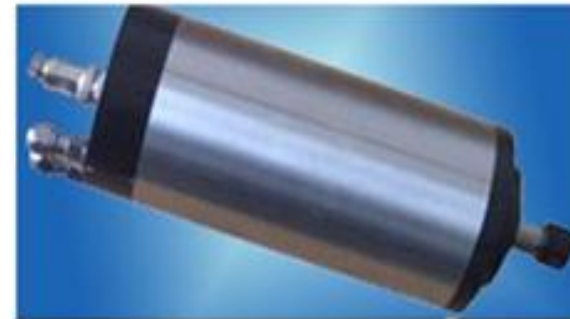
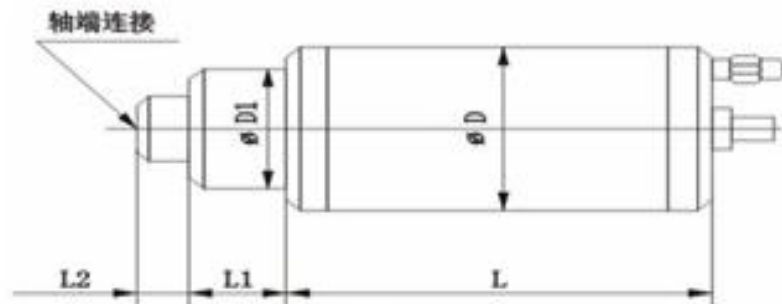


## 4.CNC engraving / milling Spindle Motor (MT Series)

### A )Picturers



### B )Drawing



C)Product Table

item code	speed	motor				lubricati on	seal	cooling	Tool collet	outer size					bearing type	character
Spindle type	Speed	Motor				Lub		Cool		Dimension(mm)					Bearing SD type	
	(r/min)	KW	V	A	Hz	grease	seal	water		D	D1	L	L1	L2		
MT-37A	24000	3.7	220	6.4	400	grease	Dynamic Performa	water	ER25	110	80	271	38	12	7007C/P4X2 7005C/P4X1	constant torque
MT-25	9000	2.5	380	5.3	150	grease	Dynamic Performa	water	ER25	120	80	290	31	10	7008C/P4X2 7006C/P4X1	constant torque
MT-45-30A	30000	4.5	350	12	600	grease	air	water	BT30	140	95	264	36	16	7006C/P4 X2 7005C/P4X2	manual bar
MT-55	9000 / 14000	5.5	380	12	450/ 700	grease	air	water	ER32	140	115	302	91	43	B7010C/P4X2 B7208C/P4X2	constant torque
MT-45-30B	24000	4.5	293	10.4	400	grease	air	water	ER20	150	94	235	49	34	7006C/P4X2 7005C/P4X2	constant torque
MT-75A	18000	7.5	380	12	300	grease	air	water	ER32	150	115	302	91	43	7008C/P4X2 7007C/P4X2	constant torque
MT-75B	9000 / 18000	7.5	350	15.1	200	grease	air	water	ER32	170	125	280	24	35	7008C/P4 X2 7007C/P4X2	constant torque/manual
MT-37B	3000/ 9000	3.7	220/380	12.5/ 11.3	100/ 300	grease	air	water	BT30	170	125	338	115	43	7013C/P4X2 7209C/P4X2	constant torque/manual
MT-10	300/ 1500	10	310	22	11/ 55	grease	air	water	BT40	200	170	465	56	20	7014C/P4X2 7209/P4X2	constant torque/manua

Note: 1 )the bearing for the above quotation mainly domestic or ceramics bearing.  
2 )the price will be adjusted if need import bearings ;  
3 )the brand of import bearing : NSK ,FAG ,SKF etc;





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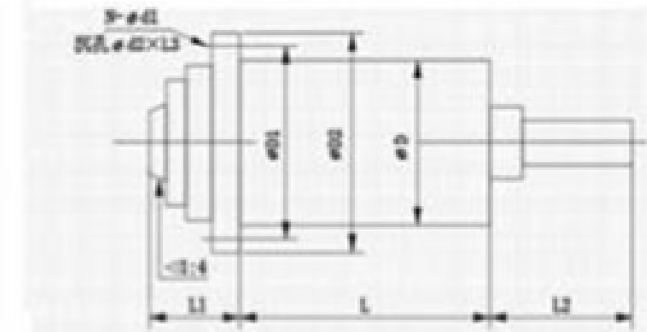
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## 5.CNC Turning-Spindle Motor (MCJ Serieese)

### A)picture



### B )DRAWING



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ADD: No4, DaSha Cun , DaSha Rd, DaLingShan Town , DongGuan city, Guangdong province China



**C)Product Table**

spindle	speed	outer size								Driven	Lub	Joint of Noze		Bearing
		D	D1	D2	L	L1	L2	N-ød1	ød2×L3			outer ring	inner hole	
MCJ-120Z6	6000	120	125	140	194	25	62	4-ø6.6	ø11×6.5	Belt	Grease	ø32-ø3		7010C/P5 X2 7010C/P5X2
MCJ-140Z6	6000	140	160	178	305	72	123	6-ø9	ø14×9			ø63.5-ø45		7013AC/P5 X 2 7013AC/P5X2
MCJ-150Z4.5	4500	150	180	200	350	78	71	8-ø9	ø13.5×9			ø130-ø45		B7014AC/P4 X2 B7012C/P4X2
MCJ-160Z4.5	4500	160	187	206	350	77	70	8-ø9	ø14×9			ø95-ø56		7016C/P4 X3 7013C/P5X2
MCJ-170Z4.5	4500	170	205	200	271	70	147	6-ø11	ø17×10			A25T-ø6		7216C/P4DB X1 7216C/P4DBX1
MCJ-200Z4	4000	200	240	270	468	80	107	8-ø11	ø18×10			A26-ø5		7220CTA/P4X4 7213CTA/P4X2
MCJ-250Z3.3	3300	250	280	310	840	148	65	8-ø11	ø18×12			A11-ø100/ △1:20		NN3024ASK/P4 X1 nn3026ASK/P4X1
MCJ-300Z1	1000	300	350	400	300	95	150	8-ø18	ø26×18			A11-ø145/1:20		B7030AC/P5 X2 B7208AC/P5X2



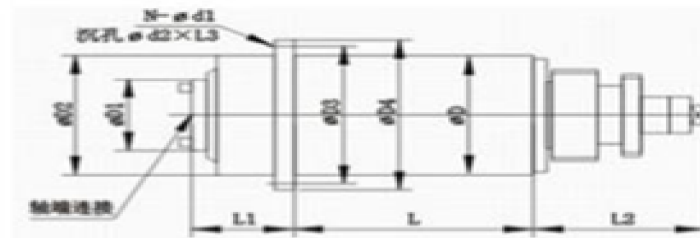


## 6.CNC Belt-Driven Spindle Motor (MBT Series)

### A) pictures



### B) DRAWING



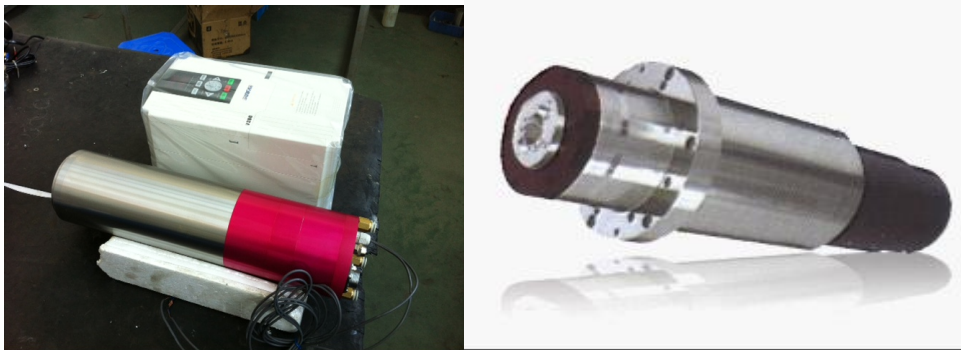
C)Product Table

Spingdle type	Speed (r/min)	Dimensions(mm)										Joint of Noze	Power	Bearings type	Characteristics
		D	D1	D2	D3	D4	L	L1	L2	N- φ d1	d2× φ L3				
MBT30	6000	90	35	90	105	122	105	80	90	6-Φ9	Φ15×8	BT30	2.5	B7008AC/P4X2 B7007AC/P4X2	Belt-type drive broach
MBT40	6000	120	76	120	145	165	156	145	123	6-Φ9	Φ15×8	BT40	5.5	B7011AC/P4X4 B7011AC/P5X2	
MBT40II	8000	120	78	130	146	165	165	128	134.5	6-Φ9	Φ14×8	BT40	5.5	7012C/P4X2 7010C/P4X2	
MBT30II	10000	120	69.823	120	144	177	240	100	200	6-Φ11	Φ17×11	BT30	5.5	B7010C/P4X3 B7009C/P4X2	
MBT40III	6000	140	88.8	140	164	187	245	135	212	8-Φ11	Φ17×11	BT40	7.5	B7014C/P4X4 B7012C/P4X2	
MBT40IV	8000	140	88.8	140	164	187	245	135	212	8-Φ11	Φ17×11	BT40	7.5	B7013C.T.P4SX3 B7011C.T.P4SX3	
MBT40V	8000	150	84	155	180	202	192	138	181.4	8-Φ11	Φ17×11	BT40	7.5	7014CTDB/P4 X2 7012CTDB/P4X2	
MBT50	3000	190	128.57	210	230	250	398	62	158	8-Φ9	Φ15×8	BT50	11	7021C/P4 X4 7018C/P4X2	
MSO50	1000	210	129	270	305	340	540	155	368	12-Φ13	Φ18×12	IS050	15	318216 /226 X2 226318214X2	

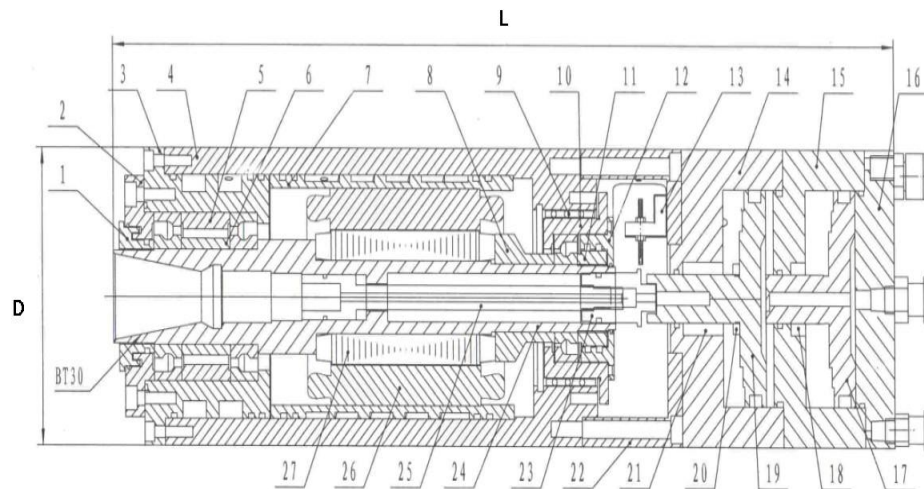


## 7.CNC Automatic tool change (ATC) Spindle (AMT Series)

### A) Pictures



### B) DRAWING



**C)Product Table**

spindle item	RPM	motor				outer dimension s		Torque (NM)	Lubricat ion	cool	seal	Tool collet	Bearing (ceramics)	Type	character
		KW	V	A	Hz	D	L								
AMT-15	0-24000	1.5	220	7	400	80	380	0.85	Grease	water	Air	ISO20	B7005C/P4X2 7003C/P4X1	Pneumatic Tool changer	position sensor
AMT-22	0-24000	2.2	220/380	9	800	110	417	1.65				BT30/ISO20	7003C/P4X1 7003C/P4X1		
AMT-32	0-24000	3.2	220/380	9	800	110	417	2.03				BT30	B7007C/P4X2 7005C/P4X1		
AMT-37	0-24000	3.7	220/380	9	800	110	417	2.53				BT30	B7007C/P4X2 7005C/P4X2		
AMT-45	0-24000	4.5	220/380	16	800	120	454	5.1				BT30	B7007C/P4X2 7005C/P4X1		
AMT-50	3000-18000	5.0	220/380	12.5	600	120	454	7				BT30	7013C/P4X2 7011C/P4X2		
AMT-55	3000-18000	5.5	220/380	15	600	120	454	8.2				BT30	7008C/P4X2 7006C/P4X2		
AMT-75	2000-15000	7.5	220/380	17	750	150	520	10.6				BT40	7013C/P4X2 7011C/P4X2		
AMT-80	2000-15000	8.0	220/380	17	750	150	520	11.5				BT40	7013C/P4X2 7010C/P4X2 7212AC/P4X2		



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### **8 CNC Newly OEM water cooling Spindles (MRX Series)**

Model	(Rpm)	(kw)	(Voltage)	(Ample)	Frequency (Hz)	Torque (N.m)	Diameter mm	Collet	Cooling	Kg
MRX009	50000	0.09	52	1	833		48	ER3.175	Selt-colling	1.4
MRX0301	50000	0.3	75	2.5	833		48	ER3.175	Self-colling	1.4
MRX0302	40000	0.3	110	1.6	667		58	ER11	Selt-colling	2.7
MRX07501	24000	0.75	220	2.5	667	0.18	62	ER11	water	3.3
MRX10002	40000	1.0	220	3.9	667	0.24	62	ER11	water	3.5
MRX1200	60000	1.2	220	4.5	1000	0.2	62	ER11	water	3.3
MRX15001	60000	1.5	220	5	1000	0.3	62	ER11	water	3.3
MRX15002	40000	1.5	220	4.5	667	0.4	72	ER11	water	4.5
MRX15003	40000	1.5	220	4.5	667	0.4	75	ER11	water	5



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MRX15004	40000	1.5	220	4.5	667	0.4	80	ER11	water	5.5
MRX15005	24000	1.5	220	6.5	400	0.6	80	ER16	water	6.5
MRX22001	36000	2.2	220	6	600	0.8	80	ER16	water	7.5
MRX22002	24000	2.2	220	8	400	0.8	80	ER20	water	7.5
1MRX35001	24000	3.5	380	9.5	400	2.7	105	ER20	water	17
MRX35002	24000	3.5	380	9.5	400	2.7	110	ER20	water	19
MRX40001	24000	4	380	10.5	800	4.2	110	ER25	water	20
MRX40002	24000	4.0	380	12.5	800	5.1	125	ER25	water	30
MRX5500	24000	5.5	380	15	800	5.8	125	ER32	water	32

