

Special Versions

TSUDAKOMA always develops innovative milling heads in order to match diversified needs of customers. Here are examples.

Model of NC Milling Heads		MZF-50009,ZS009,ZC009	MZF-50018,S12B		
Model of spindle		MZS-50009	MHS-5012B		
Type of tool shank for main spindle		BT-50	BT-50		
Model of spindle motor	Manufacturer	SIEMENS	FANUC		
	Model	1FE1126-4WP11	Bi1160S/13000		
Model of sensor	Manufacturer	LENORD+BAUER	FANUC		
	Model	MiniCoder GEL2442	α iBZ sensor 256S		
Motor output	kW	100(S6 40%) 78.5(S1)	60(S3 25%) 37(S1)		
Motor rated torque (continuous)	Nm	300	79		
Max. speed	min ⁻¹	12,000	12,000		
Drive system		Worm gear	Direct drive		
A(C)-axis rotary joint		Available	Available		
B-axis rotary joint		N / A	-		
Clamp system		Hydraulic	Hydraulic		
Clamp torque	A(C)-axis	Hydraulic 3.5MPa	Nm	5,000	3,500
		Hydraulic 4.9MPa	Nm	7,000	5,000
	B-axis	Hydraulic 3.5MPa	Nm	4,000	-
		Hydraulic 4.9MPa	Nm	6,000	-
Model of motor	Manufacturer	HEIDENHAIN	FANUC		
	A(C)-axis	QSY 155D EcoDyn	DiS1500/200(2 sets)		
	B-axis	QSY 155D EcoDyn	-		
Model of sensor	Manufacturer	HEIDENHAIN	FANUC		
	A(C)-axis	RCN729	α iCZ sensor 512A		
	B-axis	RCN729	-		
Speed reduction ratio	A(C)-axis	1/360	1/1		
	B-axis	1/360	-		
Output torque (continuous)	A(C)-axis	Nm	800	1,200	
	B-axis	Nm	1,900	-	
Max. speed	A(C)-axis	min ⁻¹	5.6(motor:2000min ⁻¹)	30	
	B-axis	min ⁻¹	5.6(motor:2000min ⁻¹)	-	
Min. setting unit	A(C)-axis	degree	0.0001	0.0001	
	B-axis	degree	0.0001	0.0001	
Range of rotating angle	A(C)-axis	degree	± 40	+45~-100	
	B-axis	degree	± 40	-	
Indexing accuracy	A(C)-axis	arc sec.	± 15	± 15	
	B-axis	arc sec.	± 15	± 15	
Net weight	A(C)-axis	kg	1,590	1,700	
	B-axis	kg	1,060	-	
	Total weight	kg	2,650	1,700	

#50 Column Mount type (2-axis)

Model : MZF-50009,ZS009,ZC009



#50 Column Mount type (1-axis)

Model : MZF-50018,S12B



Contact us for further details of specifications.

When exporting some of these products, it is necessary to obtain an export license from the Ministry of Economy, Trade and Industry of Japan under the Foreign Exchange and Foreign Trade Act.

TSUDAKOMA Corp.

Nonoichi Plant 5-100 Awada, Nonoichi-machi, Ishikawa 921-8529 Japan
 Phone: +81-76-294-5111 Fax: +81-76-294-5157
<http://www.tsudakoma.co.jp> E-mail: kexport@tsudakoma.co.jp



This catalog was printed in soy ink, using the environmentally friendly waterless offset printing process.

ME10-10A
2010-05