



COMPANY INTRODUCTION

Triquench India[™] Established in the Year 2012 in Ahmedabad (Gujarat, India)- (Initially as a partnership Firm) with the prime objective of providing engineering precision assembly focusing categorically on the "Spindle for the CNC machinery". From 2019 the company has converted to Triquench India[™] Pvt. Ltd and is looking forward to growing in the field of manufacturing and catering to a wider portfolio of customers throughout India and Abroad. Showcasing the will of creating results and delivering the best possible solution at any point of time to our customers- is the differentiating factor of handling many satisfied customers throughout the country and expanding to the world.

Design, Supply, and Manufacturing of Spindles. The wider portfolio of CNC machines, with which our spindles have been dealing are the CNC Router Machines, Stone Carving and Engraving Machines, Wood carving machines, PCB Drilling, Grinding Machines to mention a few. We also provide customization of spindles design and development as per our customers needs, thus giving an edge of acquiring different technologies

Adding to our certifications: We are ISO 14001:2015, ISO 9001:2015, CE, and RoHS 2 certified, showcasing our commitment and will to deliver quality as a by-product of every interaction and transaction we deal with.



DIRECTORS' PORTFOLIO



Mr. Parag Shah

Director: Triquench India ® Pvt. Ltd

An overall experience of 38 years, in the field of engineering comprising of a diversified Experience and expertise in Design, Research, Marketing, and Manufacturing domains. This motivated him to diversify and start doing business dealing with the Manufacturing Special Purpose Machines in the CNC portfolio during 2001. After that venture, he did proceed towards launching Triquench India in 2012. The initiation was with the design and development of CNC Machines for Special purpose, and upon intense market understanding, he finalized to focus on CNC Spindle's portfolio developing an establishment providing End-to-End Spindle related solution, all in One Place. Currently, Triquench India represents and

Motto: A professional and Social Enthusiast, who is passionate to prepare a stronger business portfolio with equally effective and high performing team members and leaders

functions with the attitude of never Giving up.



Mr. Kaushal Panchal

Director: Triquench India ® Pvt. Ltd

Spindle repaired at a time"

With the representation of being a young leader of the organization, Kaushal has been passionate about engineering right from Childhood. From previous personal life events of getting things completed on time, this attitude has been very consistent in every activity in the firm. He was primarily responsible for establishing a One-stop Spindle Solution-based service workshop, which currently is a prominent contributor of maintaining

and nurturing customer relationship- with One

Motto: To utilize the platform of business as a medium of service and convenience for our customers and stakeholders



Vision

"To design, develop and build up Best-In-Class, Precision based Spindles and allied machinery that cater to the customer-expectation on every performance aspect."

Mission

"To be able to create and provide Excellent One-Stop Spindle Solutions and Services in order to provide the Best Tool-Cutting experiences, solely delivering towards customer needs and satisfaction."



WHY FRANCHISE WITH TRIQUENCH INDIA PRIVATE LIMITED?

BRAND

- 1) TQI has over three decades of experience providing CNC machine tool repair and rebuilding services for all major industries including aerospace, automotive, bearing, medical, and others.
- 2) In India, known for our Active and Dynamic Customer Service Practices and catering to a broad assortment of product categories.
- 3) Delivering the best possible solution at any point of time to our customers is the differentiating factor of handling many satisfied customers throughout the country and expanding to the world.

OUR EXPERTISE

- 1) Known for Powerful and Vibrant customer service.
- 2) Perfection, Persistence, and Perseverance are the keys to the success of our services.
- 3) The USP of our Company is Commitment and Strong Bonding with our Customers.
- 4) We strongly believe that service to humanity is the best work of life, so we are not just a business-oriented company but also, serve society via different social works.

SOLUTION UNDER ONE ROOF

- 1) In the business of Engineering, the primary challenge is quick and efficient Service to Customers, along with a satisfactory price.
- 2) Because of our enormous experience and well-trained team of Engineers we have set the benchmark in the design and Development of Machine tool spindles.

PROVEN BUSINESS MODEL

- 1) Franchise gets
 - (a) A Ready-made business (b) Proven successful business model. (c) And complete guidance from the Franchisor.
- 2) In the Journey of a continuously growing business, we have learned and experienced multiple things which can be a powerful factor in our proven business model.

ADVANTAGES FOR ASSOCIATES WITH US



PRODUCT

- Gets entire Product range to sell
- Extensive Service Support



PRICE

- Pre defined Price and Margin
- Support in pricing to close any inquiry
- Special TOBI Incentive scheme



PLACE

- Pre defined territory, No infiltration



SALES PROMOTION

- Triquench provides all the leads of assigned territory
- Get to participate in tenders as an a liaisoning Agent
- Online Promotion of Authorised Dealer for Lead Generation
- Support in terms of Trade Exhibition Participation (Shared Basis)
- Half Yearly Training Module
- Company Sales Team support through regular visit

THE FOCUS ON THE MACHINERY EFFECTIVENESS AND OWNERS EMPOWERMENT

Triquench India Pvt Ltd has a very diversified and strong experience in the handling and management of Spindles of any make and any type. As having a portfolio of refurbishing spindles and servicing them, it has given an extra edge in the identification and delivering the spindles that suits perfectly to the customers needs.

Along with spindles, having the supportive portfolio of all spindle accessories such as Bearings, ER Collet and Nut, Chiller, VFD and many other, helps in delivering quality service to the customers all at a single location.



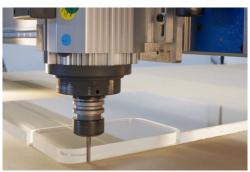


APPLICATION AREAS OF SPINDLES:

Triquench India Pvt. Ltd. Spindles are being utilized in a multitude of industries, involved in varied applications. The industries vary from automotive to Mold Manufacturing to aerospace Engineering. With reference to machining process, spindles play a crucial role in providing a fast, accurate and seamless process flow and quick product output.







OUR SALES AND SERVICE SUPPORT WE ARE LITERALLY REBUILDING ANY SPINDLE BRAND OF ANY MAKE

We provide expert rebuilds for applications like Milling, Turning, Grinding, Boring, Reaming, Drilling and Tapping Spindles

Our experience covers domains such as:

- CNC Router Machine
- CNC PCB Drilling Machine
- CNC Milling Machine
- CNC Lathe Machine
- CNC Stone Carving
- CNC Pattern Making
- CNC Bangle Making
- Robotics and Automation

Triquench India Pvt. Ltd. Operates on a precision prototype-based workshop (Accuracy is maintained within 2 Microns) for creating the out of the circulation parts and straightening or reconditioning parts to be used enabling superior quality control on the repairs of the spindle components.









WATER COOLED SPINDLE







Model No.	Power	Speed	Voltage	Current	Frequency	Torque	Spindle Dia	Pole	Joint of nose	Bearing Type	Kg
W03240R75M1	0.3 Kw	60000 RPM	75 V	1.5 A	1000 Hz	0.04 Nm	48 mm	2	ER 8		
W08240R220M1	0.8 kW	24000 RPM	220 V	2.5 A	400 Hz	0.31 Nm	65 mm	2	ER11 (0.5mm to 7mm)	2 X 7002 P4 2 X 7000 P4	2.8
L12600R220M1	1.2 kW	40000 RPM	220 V	5.0 A	666 Hz	0.42 Nm	62 mm	2	ER11 (0.5mm to 7mm)	2 X 7002 P4 2 X 7000 P4	4
W15240R220M1	1.5 kW	24000 RPM	220 V	5.0 A	400 Hz	0.56 Nm	80 mm	2	ER11 (0.5mm to 7mm)	2 X 7002 P4 2 X 7002 P4	4.5
W22240R220M1	2.2 kW	24000 RPM	220 V	8.0 A	400 Hz	0.87 Nm	80 mm	2	ER20(1mm to 13mm)	2 X 7005 P4 2 X 7002 P4	5.4
W22240R380M1	2.2 kW	24000 RPM	380 v	8.0 A	400 Hz	0.87 Nm	80 mm	2	ER20(1mm to 13mm)	2 X 7005 P4 2 X 7002 P4	5.4
W22240R220M0800	2.2 kW	24000 RPM	220 V	8.0 A	800 Hz	2.33 Nm	80 mm	4	ER20(1mm to 13mm)	2 X 7005 P4 2 X 7004 P4	8
W30240R220M1	3.0 kW	24000 RPM	220 V	9.8 A	400 Hz	1.27 Nm	100 mm	2	ER20(1mm to 13mm)	2 X 7005 P4 2 X 7003 P4	8.3
W30240R380M1	3.0 kW	24000 RPM	380 V	9.8 A	400 Hz	1.27 Nm	100 mm	2	ER20(1mm to 13mm)	2 X 7005 P4 2 X 7003 P4	8.3
W45240R380M1	4.5 kW	24000 RPM	380 V	12.0 A	400 Hz	1.45 Nm	100 mm	2	ER20(1mm to 13mm)	2 X 7005 P4 2 X 7003 P4	9
W55240R380M1	5.5 kW	24000 RPM	380 V	13.0 A	400 Hz	2.91 Nm	125 mm	2	ER25(1mm to 16mm)	2 X 7007 P4 2 X 7005 P4	22
W65180R380M1	6.5 kW	24000 RPM	380 V	14.0 A	300 Hz	3.18 Nm	125 mm	2	ER32(2mm to 20mm)	2 X 7008 P4 2 X 7005 P4	23.5
W75240R380M132	7.5 kW	24000 RPM	380 V	14.0 A	400 Hz	3.18 Nm	125 mm	2	ER32(2mm to 20mm)	2 X 7008 P4 2 X 7005 P4	23.5
W75240R380M140	7.5 kW	24000 RPM	380 V	15.0 A	800 Hz	5.76 Nm	125 mm	4	ER40 (3mm to 30mm)	2 X 7008 P4 2 X 7005 P4	24
W75240R380M1800	7.5 kW	24000 RPM	380 V	14.5 A	800 Hz	5.76 Nm	125 mm	4	ER32(2mm to 20mm)	2 X 7008 P4 2 X 7005 P4	26.5
WM90150R380M1	9.0 kW	15000 RPM	380 V	20 A	750 Hz	6.5 NM	125 mm	6	ER32(2mm to 20mm)	2 X 7008 P4 2 X 7006 P4	27
WM12180R380M1	12 kW	18000 RPM	380 V	26 A	900 Hz,	6.5 NM	125 mm	6	ER32(2mm to 20mm)	2 X 7008 P4 2 X 7006 P4	27

AIR COOLED SPINDLE ROUND BODY







Model No.	Power	Speed	Voltage	Current	Frequency	Torque	Spindle Dia	Pole	Joint of nose	Bearing Type
A08240R220M1	0.8 kW	24000 RPM	220 V	3.1 A	400 Hz	0.31 Nm	65 mm	2	ER11 (0.5mm to 7mm)	2 X 7002 P4 2 X 7000 P4
N08240R220M1	0.8 kW	24000 RPM	220 V	3.1 A	400 Hz	0.31 Nm	65 mm	2	ER11 (0.5mm to 7mm)	2 X 7002 P4 2 X 7000 P4
A15240R220M1	1.5 kW	24000 RPM	220 V	5.0 A	400 Hz	0.47 Nm	80 mm	2	ER11 (0.5mm to 7mm)	2 X 7002 P4 2 X 7002 P4
A22240R220M1	2.2 kW	24000 RPM	220 V	8.0 A	400 Hz	0.68 Nm	80 mm	2	ER20(1mm to 13mm)	2 X 7005 P4 2 X 7002 P4



AIR COOLED SPINDLE SQUARE BODY







Model No.	Power	Speed	Voltage	Current	Frequency	Torque	Pole	Joint of nose	Bearing Type	kg
A08200S220M1	0.8 kW	20000 RPM	220 V/380 V	3.7 A/2.2 A	333 Hz	0.31 Nm	2	ER11 (0.5mm to 7mm)	2 X 7005 P4 2 X 7002 P4	4
A15180S220M1	1.5 kW	18000 RPM	220 V	5.8 A	300 Hz	0.91 Nm	2	ER20(1mm to 13mm)	2 X 7005 P4 2 X 7002 P4	7
A22180S380M120	2.2 kW	18000 RPM	220 V/380 V	7.9A / 4.6 A	300 Hz	1.25 Nm	2	ER20(1mm to 13mm)	2 X 7005 P4 2 X 7002 P4	7.2
A35180S2238M120	3.5 kW	18000 RPM	220 V/380 V	12 A/7.2 A	300 Hz	1.68 Nm	2	ER20(1mm to 13mm)	2 X 7005 P4 2 X 7002 P4	7.5
A35180S2238M125	3.5 kW	18000 RPM	220 V/380 V	12 A/7.2 A	300 Hz	1.68 Nm	2	ER25(1mm to 16mm)	2 X 7007 P4 2 X 7002 P4	8.5
A45180S380M1	4.5 kW	18000 RPM	380 V	9.0 A	300 Hz	2.27 Nm	2	ER32(2mm to 20mm)	2 X 7008 P4 2 X 7002 P4	12
A45180S380M1	6.0 kW	18000 RPM	380 V	12.0 A	300 Hz	2.78 Nm	2	ER32(2mm to 20mm)	2 X 7008 P4 2 X 7002 P4	15
A75180S380M132	7.5 kW	18000 RPM	380 V	15.0 A	300 Hz	3.58 Nm	2	ER32(2mm to 20mm)	2 X 7008 P4 2 X 7004 P4	17.2
A75180S380M140	7.5 kW	18000 RPM	380 V	28.7 A	300 Hz	6.65 Nm	2	ER40(3mm to 30mm)	2 X 7010 P4 2 X 7005 P4	30
A75180S380M140	7.5 kW Independent Fan	18000 RPM	380 V	28.7 A	300 Hz	6.65 Nm	2	ER40(3mm to 30mm)	2 X 7010 P4 2 X 7005 P4	30
A90180S380M1	9.0 kW	18000 RPM	380 V	17.8 A	300 Hz	6.7 Nm	2	ER32(2mm to 20mm)		29
A60180S380M1TKM	6.0 KW(TEKNOMOTOR)	18000-24000 RPM	220 V/380 V	21 A	300 Hz	2.78 Nm	2	ER32(2mm to 20mm)		16

ATC SPINDLE MOTOR (WATER COOLED)



Model No.	Power	Speed	Voltage	Current	Frequency	Torque	Spindle Dia	Pole	Tool Holding	Weight
ISO1018600R200M1	1.8 kW	60000 RPM	220V	6.5 A	1000Hz	0.28 N.m	62 mm	2	ISO10	5
O18600R220M1	1.8 kW	60000 RPM	220V	6.5 A	1000Hz	0.28 N.m	62 mm	2	6mm	5 Kg
O22400R220M1	2.2 kW	30000 RPM	220V	8.5 A	1000Hz	0.87 N.m	80 mm	4	ISO20	9 Kg
BT30180R380M1	5.5 kW	18000 RPM	380V	20A	600Hz	0.87 NM	125 mm	4	BT30	24 Kg
BT40110R380M1	7.5 kW	11000RPM	380V	17 A	550 HZ	12 NM	125 mm	6	BT40	29

ATC SPINDLE MOTOR (AIR COOLED)



Model No.	Power	Speed	Voltage	Current	Frequency	Torque	Pole	Tool Holding	Weight
A90240S380M1BT30	9 kW	24000 RPM	380V	22A	800Hz	7.16 N.m	4	BT30	35 Kg

BELT DRIVEN SPINDLE

TriQuench India specializes in providing standard and custom Belt Driven Spindles for Milling Spindle, Lathe Spindle, and Grinding Spindle. With various options available like Internal Grinding Spindle and External Grinding Spindle, we see that they cater to the need to drive out precise outputs from the machinery – some of the applications being Vertical Milling Machine, CNC Turning Machine, and CNC Lathe Machines.



MILLING SPINDLE

Model No.	Nose Taper	Locating Diameter	Total Length	Flange Diameter	SPEED	Lubrication	Front Bearing	Rear Bearing	Bearings
MTMSBT3090	BT-30	90H6	277 mm	120 mm	8000 RPM	GREASED PACKED	7009 P4	7008 P4	2+2
MTMSBT30100	BT-30	100H6	332 mm	32 mm 140 mm		GREASED PACKED	7010 P4	7008 P4	2+2
MTMSBT40120	BT-40	120H6	410 mm	165 mm	8000 RPM	GREASED PACKED	7012 P4	7010 P4	4+2
MTMSBT40150	BT-40	150H6	500 mm	202 mm	8000 RPM	GREASED PACKED	7014 P4	7012 P4	4+2
MTMSBT50190	BT-50	190H6	650 mm	250 mm	6000 RPM	GREASED PACKED	7020 P4	7016 P4	4+2
MTMSBT50155	BT-50	155H6	600 mm	208 mm	6000 RPM	GREASED PACKED	7016 P4	7014 P4	3+2

LATHE SPINDLE



Model No.	Nose Taper	Flange Diameter	Total Length	Locating Diameter	Bore Diameter	SPEED	Lubrication	Front Bearings	Rear Bearing	Bearings
MTLSA2-3 BORE DIA-32	A2-3	170 Dia	290 mm	'130 h6 X 130 mm	32 mm	6000 RPM	GREASED PACKED	7011 P4	7010 P4	3+2
MTLSA2-4 BORE DIA-38	A2-4	180 Dia	322 mm	'152 h6 x 162 mm	38 mm	5000 RPM	GREASED PACKED	7014 P4	7011 P4	4+2
MTLSA2-4 BORE DIA-40	A2-4	195 Dia	433 mm	140 h6 x 162	38 mm	5000 RPM	GREASED PACKED	7014 P4	7012 P4	2+2
MTLSA2-5 BORE DIA-42	A2-5	235 Dia	533 mm	'170 h6 x 310 mm	42 mm	5000 RPM	GREASED PACKED	7016 P4	7014 P4	4+2
MTLSA2-5 BORE DIA-46	A2-5	180 Dia	370 mm	140 h6 x 200	46 mm	5000 RPM	GREASED PACKED	7014 P4	7013 P4	2+2
MTLSA2-6 BORE DIA-56	A2-6	230 Dia	565 mm	170 h6 X 320 mm	56 mm	3500 RPM	GREASED PACKED	7018 P4	7016 P4	4+2
MTLSA2-6 BORE DIA-65	A2-6	230 Dia	400 mm	180 h6 X 200 mm	65 mm	3500 RPM	GREASED PACKED	7020 P4	7018 P4	2+2
MTLSA2-8 BORE DIA-75	A2-8	300 Dia	642 mm	'230 h6 x 335 mm	75 mm	3000 RPM	GREASED PACKED	7024 P4	7020 P4	4+2

EDGE BANDING SPINDLE MOTOR

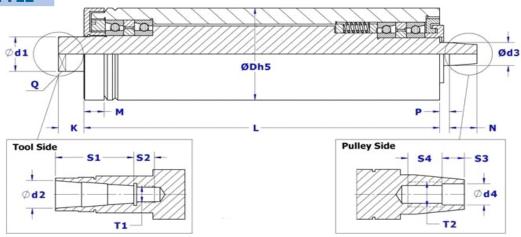


Model No.	Power	Speed	Voltage	Current	Frequency	Torque	Pole	Joint of nose	Bearing Type
E08180S2238WF	0.8 kW	18000 RPM	380 V / 220 V	3.9 A / 2 A	300 Hz	0.31 Nm	2	ER-11	6005 P4 6000 P4
E037120S2238L	0.35 kW	18000 RPM	380 V	3.7 A	200 Hz	0.31 Nm	2	ER-11	6005 P4 6000 P4
E037120S2238R	0.35 kW	12000 RPM	380 V / 220 V	1.8 A	200 Hz	0.31 Nm	2	ER-11	6005 P4 6000 P4
E08180S2238LS	0.8 kW (long Shaft)	18000 RPM	220 V	3.9 A	200 Hz	0.31 Nm	2	ER-11	6005 P4 6000 P4

BELT DRIVEN GRINDING SPINDLE

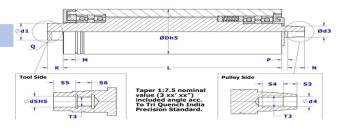


TSI - STYLE

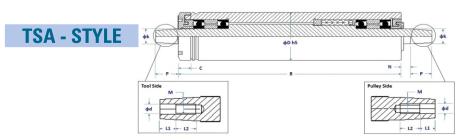


Spindle Style		Too	l Side				Pol	t Driven S	nindles				Dull	ey Side		Max. Speed	for bearing
Spiritie Style		100	Jue				Dei	t Dilveil 3	piliules				Full	ey side		speed	[rpm]
Type ØD x L	Ø d2	S1	S2	T1	Ø d1	Q	K	М	P	N	Ø d3	Ø d4	S3	S4	T2	Steel	Hybrid
TSI40x160																	
TSI40x200	10	26	16	M5	15	17	8	9.5	6	15	10	5	7	8	M5	40,000	50,000
TSI40x250																	
TSI60x160																	
TSI60x200	18	45	19	M10	22	24	8	10.5	7	25	18	8	11	14	M8	30,000	35,000
TSI60x250	10	43	15	IVIIO	22	24	°	10.5	·	23	10	0	11	14	IVIO	30,000	33,000
TSI60x315																	
TSI80x200																	
TSI80x250	25	63	25	M12	33.7	30	11	14.5	8	35	27.65	12	13	21	M12	20,000	25,000
TSI80x315																	
TSI100x250																	
TSI100x315	32	80	34	M20	43.5	41	13	16	12	52.5	38	16	25	25	M16	15,000	20,000
TSI100x355																	

TSP - STYLE



Spindle Style		Too	olSide				Ве	ltDrivenS _l	oindles				Pul	leySide		Max. Speed speed	For bearing
TypeØD x L	Ød5	S5	S6	T3	Ød1	Q	K	M	P	N	Ød3	Ød4	S3	S4	T2	Steel	Hybrid
TSP40x160																	
TSP40 x200	8	12	14	M8	15	13	8	9.5	6	15	10	5	7	8	M5	40,000	50,000
TSP40x250																	
TSP60x160																	
TSP60 x200	1.4	20	19	M14 x1.5	22	19	8	10.5	7	25	18	8	11	14	M8	25,000	30,000
TSP60x250	14	20	19	IVI14 X1.5	22	19	°	10.5	,	25	10	°	11	14	IVIO	25,000	30,000
TSP60x315																	
TSP80 x200																	
TSP80 x250	16	24	19	M16 x1.5	33	27	11	14.5	8	35	27	12	13	21	M12	20,000	25,000
TSP80 x315																	
TSP100x250																	
TSP100x315	28	42	25	M28x2	48	36	13	16	12	52.5	38	16	25	25	M16	15,000	20,000
TSP100 x355																	l



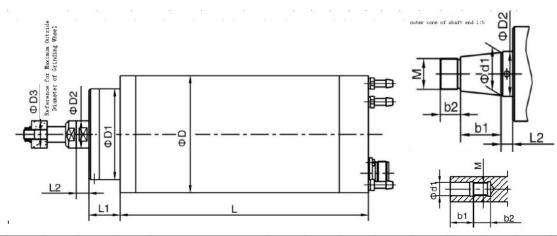
Spindle Style		Too	l-Side		I	Belt Drive	n Spindle	S		Pulley	Side			Speed for Speed [rpm]
TypeØDxL	Ød	L1	L2	M	Øk	С	P	N	Ød	L1	L2	M	Steel	Hybrid
TSA40x160														
TSA40 x200	5	7	8	M5	10	9.5	15	7	5	7	8	M5	40000	50000
TSA40 x250														
TSA60x160														
TSA60x200		11	14	M8	18	10.5	25	•	8	44	14		30000	35000
TSA60 x250	8	11	14	IVI8	18	10.5	25	9	8	11	14	M8	30000	35000
TSA60x315														
TSA80x200														
TSA80 x250	12	13	21	M12	27.65	14.5	35	12	12	13	21	M12	20000	25000
TSA80x315														
TSA100x250														
TSA100x315	16	25	25	M16	38	16	52.5	15	16	25	25	M16	15000	20000
TSA100x355														

GRINDING SPINDLE

Grinding spindles are characterized by high precision, high speed, high power and high rigidity. Tool grinding spindles are widely used in internal grinding, external grinding, forming grinding, thread grinding, etc.



This product uses P4 grade high speed and high precision angular contact bearing and its cooling type is water cooled. The cooling water should be provided with sufficient flow, the pressure should be kept above 6 metres, and the cooling area of the cooling water tank should be large enough. The compressed air used shall be treated by dust removal and moisture removal. And the compressed air shall be with pressure of about 0.05Mp.

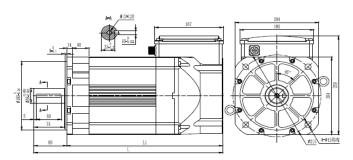


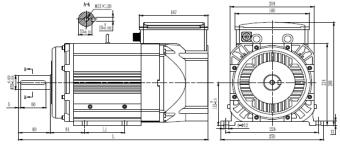
Item No.	Power (kw)	Voltage (V)	Current (A)	Speed (rpm)	Frquency (Hz)	Lubrication mothod				Dimension	1					n of Grindin nnecting ro	•
	(KW)	(۷)	(A)	(i piii)	(П2)		D	L	D1	L1	D2	L2	D3	d1	b1	M	b2
TQI100MD60Z4	4	350	10	60000	1000	Grease	100	186	65	24	16	8	16	8	13	8*1	13
TQI120MD48Z5.8	5.8	350	15	48000	800	Grease	120	230	80	24	23	13	20	14	24	14*1.5	18
TQI120MD36Z8.5	8.5	350	18	36000	600	Grease	20	255	93	32	28	12	28	16	27	16*1.5	20
TQI150MD24Z12.5	12.5	350	27	24000	400	Grease	150	302	106	38	38	18	42	22	38	22*2	26
TQI150MD12Z7	7	350	15	12000	200	Grease	150	302	106	38	38	18	60	22	38	22*2	26

SERVO MOTOR

The servo driver is a controller used to control the servo motor. Its function is similar to the frequency converter. It is used for ordinary AC motors. It is a part of the servo system and is mainly used in high-precision positioning systems. Generally, the servo motor is controlled by three methods of position, speed, and torque to achieve high-precision positioning of the transmission system. In order to ensure the normal operation of the equipment, it has become a very important task to judge the fault in time and deal with them in time.







Wiring Diagram	3.7 kW	5.5 kW	7.5 kW		
L1	357	402	452		
L	437	482	532		

Wiring Diagram	3.7 kW	5.5 kW	7.5 kW
L1	73	128	178
L	441	486	536

Motor Types	Power (kW)	Current Rating (A)	Torque (Nm)	Series (P)	Frequency (Hz)	Constant Power Maxi. Speed (RPM)	Maxi. Speed (RPM)	Moment of Inertia (Kg.m)	Weight (Kg)
MY204-235CGDI4-00B001	3.7	8.9	23.5	4	51.5	1500	3600	0.0043	29.7
MY204-350CGDI4-00B001	5.5	13.5	35	4	51.5	1500	3600	0.0078	38.7
MY204-478CGDI4-00B001	7.5	17.1	47.8	4	51.5	1500	3600	0.0078	49.5

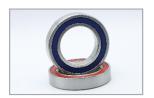
SPINDLE BEARING

TQI spindle bearings (angular contact ball bearings) are made for use in spindles, CNC machines, machine tools, and any kind of applications that needs the highest level of precision. Spindle bearings are also available as hybrid bearings with ceramic balls. We enjoy helping you to find the right bearing and offer a wide range of technical support.

It is mainly used for high-speed and high-precision grinding for the internal surface. In order to meet the requirement of the electric spindle, the internal parameters of the bearing are optimized. Double slopes of bearing rings are adopted for the H70 series.

TQI PROVIDES BEARING AS FOLLOWS

- Contact angle of 15°
- Outer ring guide phenolic resin cage (unmarked)
- Rolling element guide polyamide resin cage (Tn1)
- Steel ball (unmarked), Ceramic ball (HQ1)
- Precision degree: P4
- Preload with fixed pressure
- Contact sealing (2RZ) at both end faces.









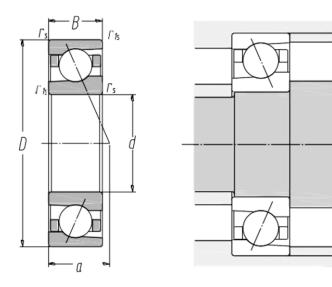






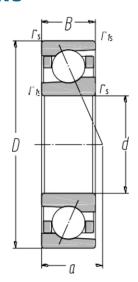


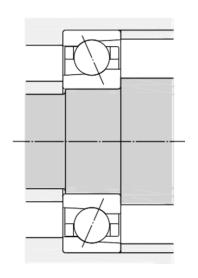
STEEL BALL SPINDLE BEARING



Steel Ball Spindle Bearing											
			Dime	nsion	Letedloan		Limited Speed		Weight		
Model	d	D	В	rsmin	r1smin	а	Cr	Cor	Gresse	Oil	Kg
			mm			*	KN		ÓCÖ ÖÖ	r/min	专
7000C-2RZ DBB	10	26	8	0.3	0.15	6	3.4	1.5	88900	136800	0.02
7001C-2RZ DBB	12	28	8	0.3	0.15	7	3.8	1.7	80000	123100	0.02
7002C-2RZ DBB	15	32	9	0.3	0.15	8	4.4	2.2	68100	104800	0.03
7003C-2RZ DBB	17	35	10	0.3	0.15	8	5.2	2.5	61500	94600	0.04
7004C-2RZ DBB	20	42	12	0.6	0.15	10	7.4	3.9	51600	79400	0.07
7005C-2RZ DBB	25	47	12	0.6	0.15	11	8.4	4.8	45800	70500	0.08
7006C-2RZ DBB	30	55	13	1	0.3	12	9.5	6.2	38800	59700	0.11
7007C-2RZ DBB	35	62	14	1	0.3	13	11.2	7.9	34000	52300	0.15
7008C-2RZ DBB	40	68	15	1	0.3	15	12.5	9.1	30600	47100	0.19
7009C-2RZ DBB	45	75	16	1	0.3	16	13.1	10.2	27500	42300	0.24
7010C-2RZ DBB	50	80	16	1	0.3	17	15.4	12	24600	37800	0.26
7011C-2RZ DBB	55	90	18	1.1	0.6	19	17	14.5	22100	34000	0.41
7012C-2RZ DBB	60	95	18	1.1	0.6	27	16.2	14.4	18500	28500	0.44
7014C-2RZ DBB	70	110	20	1.1	0.6	31	22.6	20.1	15500	23800	0.64
7016C-2RZ DBB	80	125	22	1.1	0.6	35	32.3	31	13100	18000	0.9
7018C-2RZ DBB	90	140	24	1.5	0.6	39	34.3	36.1	11700	18000	1.26
7020C-2RZ DBB	100	150	24	1.5	0.6	41	42.7	44.7	10400	16000	1.33
7024C-2RZ DBB	120	180	28	2	1	49	54.8	61.5	8700	13400	2.3
7205C-2RZ DBB	25	52	15	1	0.3	13	16.8	13.1	30000	45000	0.14

CERAMIC BALL SPINDLE BEARING





Ceramic Ball Spindle Bearing											
			Dime	nsion		Letedloan		Limited Speed		Weight	
Model	d	D	В	rsmin	r1smin	а	Cr	Cor	Gresse	Oil	Kg
	mm					~	k	(N	r/min	r/min	\approx
H7000C-2RZ HQ1	10	26	8	0.3	0.15	6	3.4	1.5	106700	164200	0.02
H7001C-2RZ HQ1	12	28	8	0.3	0.15	7	3.8	1.7	96000	147700	0.02
H7002C-2RZ HQ1	15	32	9	0.3	0.15	8	4.4	2.2	81700	125800	0.03
H7003C-2RZ HQ1	17	35	10	0.3	0.15	8	5.2	2.5	73800	113500	0.04
H7004C-2RZ HQ1	20	42	12	0.6	0.15	10	7.4	3.9	61900	95300	0.06
H7005C-2RZ HQ1	25	47	12	0.6	0.15	11	8.4	4.8	55000	84600	0.07
H7007C-2RZ HQ1	35	62	14	1	0.3	13	11.2	7.9	40800	62800	0.14
H7008C-2RZ HQ1	40	68	15	1	0.3	15	12.5	9.1	36800	56500	0.18
H7009C-2RZ HQ1	45	75	16	1	0.3	16	13.5	10.2	33000	50800	0.24
H7010C-2RZ HQ1	50	80	16	1	0.3	17	15.4	12	29500	45400	0.24
H7011C-2RZ HQ1	55	90	18	1.1	0.6	19	17	14.5	26500	40300	0.38
H7012C-2RZ HQ1	60	95	18	1.1	0.6	27	16.2	14.4	22200	34200	0.41
7205C-2RZ HQ1	25	52	15	0.6	0.15	11	8.4	4.8	55000	84600	0.07

SPINDLE ACCESSORIES







ER Collet



ER Nut



VFD



Tool Holder



Chiller Unit



Gripper



Tool Holder Fork



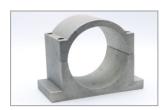
Turret



Connector



Hydro Pneumatic Cylinder



Clamp

CNC ROUTER ACCESSORIES



Easy Servo & Servo Motors & Drivers



Rack & Pinion



BK - BF Nut Housing



LM BLOCKS



Drag Chain



Axis Coupling



AC GEAR BOX



Stepper Motors & Drives



Nk105 G2 & G3 Controller



RICHAUTO A11E Controller



HIGH SPEED BALL SCREW

NOTE



D-01 , Sumel Business Park - 7, Nr. Soni Chawl BRTS Bus Stand, N.H No 8, Rakhiyal Ahmedabad, Gujarat, India 380023

Customer Care: +91 960 1111 615

www.triquenchindia.com





