



KTM Technology & Innovations
(India) Pvt. Ltd.
"The Machines for Generations !"



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PREMIUM **TURNING PRODUCTS**

RIG SERIES

Turning is a machining process in which a cutting tool, typically a non-rotary tool bit, describes a helix toolpath by moving more or less linearly while the workpiece rotates.

Contact Us :

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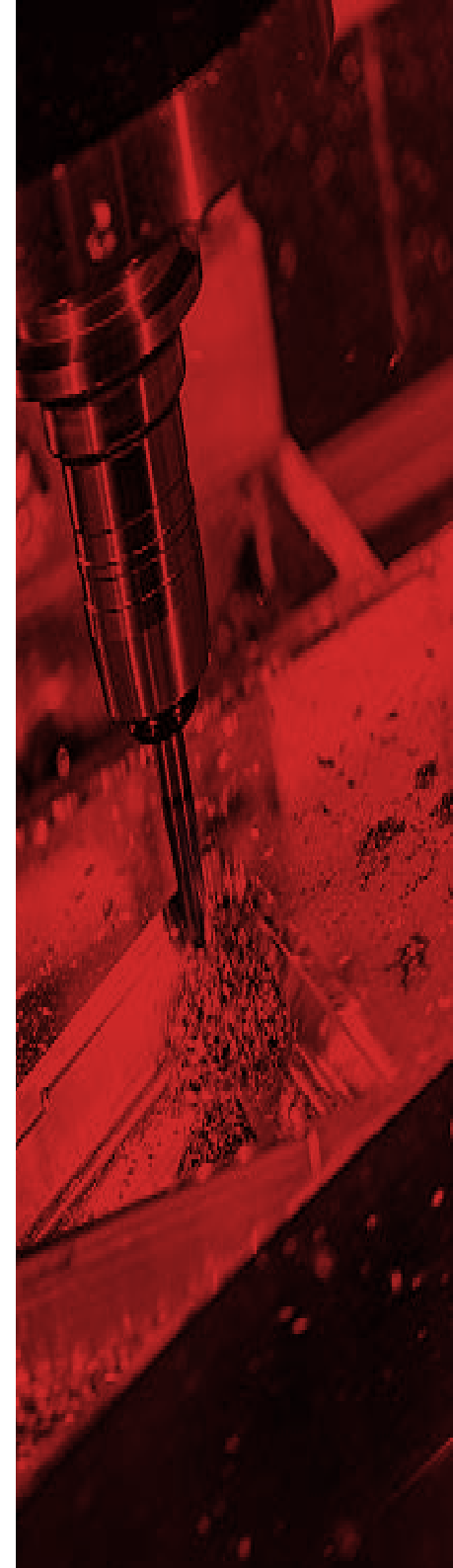
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Dist. Rajkot-360021, Gujarat,
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MANUFACTURER OF:
CNC | TMC | DTC | VTL |
VMC | HMC | DCMC



www.ktmtechno.com



Who We are

KTM Technology & Innovations was founded in 2015 with a vision to Support and Make Rapid Growth on Industrialization of Nation and Make Some Great changes in Industrial World. People around the world Always trust KTM Technology & Innovations Manufacturing Products because of Our Quality and Innovative Products That's why we are one of the best CNC Machines Manufacturers.

In terms of Experience, We have 25+ years in Senior Positions in Machine Tool Industries. We work with more than 850++ Clients and in Near Future Many more are joining. We Continue to Focus on R&D so We can serve Best products to our Customers and Fulfil all Kind of CNC Machines Requirements that they need.

Our Greatest Strength is Designing and Manufacturing Machines Which Have Maximum Uptime and low MTBF. With More Than 73+ Models We have a Total 6 Different Series..

- ✓ CNC Turning Center Up to 2 Meters
- ✓ CNC Vertical Lathe Up to 1 Meters
- ✓ CNC Turn Mill Center Up to 2 Meters
- ✓ CNC Milling Machine (VMC) Up to 2.2 Meters
- ✓ HMC Machine - 400 To 800 mm
- ✓ DCMC Machine - 2.5 Meters to 4.5 Meters

We are proud to share our journey from a 22,000 sq. meter facility with 160+ employees and 18+ dealers in 2023-24 to a thriving 40,000 sq. meter hub by 2025-26, boasting a team of 325+ and a 30+ dealer network. Looking ahead to 2030-31, we aim for a 1000+ turnover, a place among the world's top 10 brands, and a workforce of 700+, supported by a global dealer network of 100+. This reflects our dedication to delivering cutting-edge solutions across the global.

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01

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RIG SERIES 600 | 600+

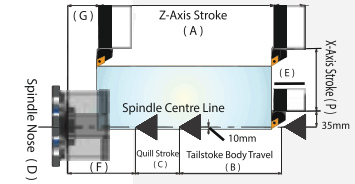
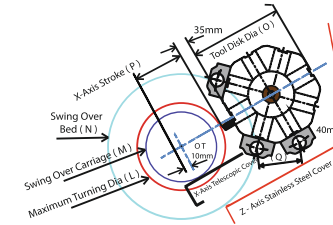
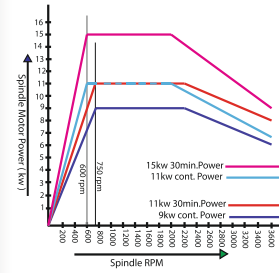


STANDARD FEATURES

- >> Dual Torque Tube Design with 45° True Slant Bed Construction
- >> Ball Screw with C3 Grade ,Long Nut and Deep Groove with Zero Backlash
- >> High Precision Grade 30 Size Ball Type LM Guideways with Medium preload Flange Type Blocks
- >> Digital Servo Spindle Motor
- >> Cartridge Type High Speed Rigid Spindle with P4 Class Angular Contact Bearings (3+2)
- >> Hydraulic Power Chuck Jaw with Hard Jaw and Soft Jaw
- >> Linear type Tooling system
- >> All Telescopic Cover in Stainless Steel Grade
- >> Machine Guard With RAL 7037 & RAL 7035 Powder Coated
- >> Electric Panel with Air Conditioner
- >> Coolant Unit, Auto Lubrication Unit
- >> Boring Bar Tool Holder , Axial Tool Holder
- >> Sleeve Set , Allen Key Set
- >> Spanner Set , Grease Gun
- >> T Nut with Bolt , Levling Pads

OPTIONAL FEATURES

- Chip Conveyor | Voltage Stabilizer | Revolving Center
- Through Coolant Boring Pump | High Pressure Coolant Pump
- Auto Door Bar Feeder | Bar Puller | Part Catcher | Oil Skimmer



MODEL	A	B	C	D	E	F	G	L	M	N	O	P	Q
600	600	510	120	A2-6	80	280	100	360	350	500	280	185	135
600+	565	510	120	A2-8	80	255	135	360	350	550	315	185	135

DESCRIPTION	UNIT	RIG 600	RIG 600+
CAPACITY			
Swing Over The Bed	mm	500	550
Swing Over Carriage	mm	350	350
Max. Turning Dia.	mm	360	360
Max. Turning Length	mm	600	580
SPINDLE			
Spindle Nose	type	A2-6	A2-8
Spindle Bore	mm	63	86
Maximum Bar Capacity Through Spindle	mm	51	75
Chuck Size Std./ Optional	mm	200/250	250/300
Spindle Motor Power Cont./ 30 Min. Rating	kw	11/7.5	11/15
Spindle Speed Range Min.- Max.	RPM	50-3500	50-2500
Spindle Torque Cont./ 30min	nm	114/140	170/238
FEED			
X- Axis Stock	mm	185	185
Z - Axis Stock	mm	625	600
Maximum Cutting Feed Rate (X/Z)	mm/min	8000	8000
Rapid Feed Rate (X/Z)	mm/min	24000	24000
QUILL			
Quill Diameter	mm	85	85
Quill Stock	mm	120	120
Taper In Quill	type	MT-4	MT-5
Maximum Quill Thrust	kgf	1500	1800
Tail Stock Body Travel	mm	510	510
TURRET			
Turret Size	size	80	100
Turret Type	type	HYD.	HYD.
Numbers Of Tool Stations	nos.	8	8
Maximum Boring Bar Diameter	mm	40	40
Tool Shank	mm x mm	25 x 25	25 x 25
TANK CAPACITY			
Positioning Uncertainty X/Z	mm	±0.003	± 0.003
Positioning Repeatability X/Z	mm	0.008	0.008
Hydraulic Tank Capacity	ltr	40	40
Lubricating Tank Capacity	ltr	3	3
Coolant Tank Capacity	ltr	120	120
ABOUT			
Machine Over All Dimensions(L x W x H)	mm x mm x mm	3000 x 1700 x 1650	3000 x 1700 x 1650
Machine Weight (Approx)	kg	4200	4400

*Any specification can be changed without prior notice, due to continuous product improvements. Kindly check with KTM sales team before ordering.
*Machine weight of same model can be vary from Machine to Machine.

RIG SERIES 800 | 800+

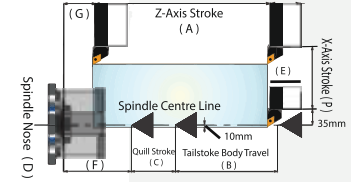
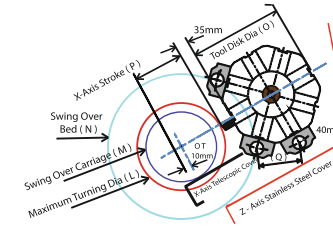
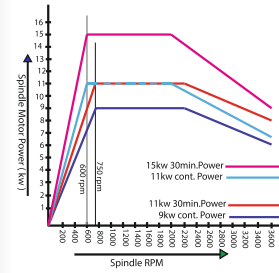


STANDARD FEATURES

- >> Dual Torque Tube Design with 45° True Slant Bed Construction
- >> Ball Screw with C3 Grade ,Long Nut and Deep Groove with Zero Backlash
- >> High Precision Grade 30 Size Ball Type LM Guideways with Medium preload Flange Type Blocks
- >> Digital Servo Spindle Motor
- >> Cartridge Type High Speed Rigid Spindle with P4 Class Angular Contact Bearings (3+2)
- >> Hydraulic Power Chuck Jaw with Hard Jaw and Soft Jaw
- >> Linear type Tooling system
- >> All Telescopic Cover in Stainless Steel Grade
- >> Machine Guard With RAL 7037 & RAL 7035 Powder Coated
- >> Electric Panel with Air Conditioner
- >> Coolant Unit, Auto Lubrication Unit
- >> Boring Bar Tool Holder , Axial Tool Holder
- >> Sleeve Set , Allen Key Set
- >> Spanner Set , Grease Gun
- >> T Nut with Bolt , Levling Pads

OPTIONAL FEATURES

Chip Conveyor | Voltage Stabilizer | Revolving Center
Through Coolant Boring Pump | High Pressure Coolant Pump
Auto Door Bar Feeder | Bar Puller | Part Catcher | Oil Skimmer



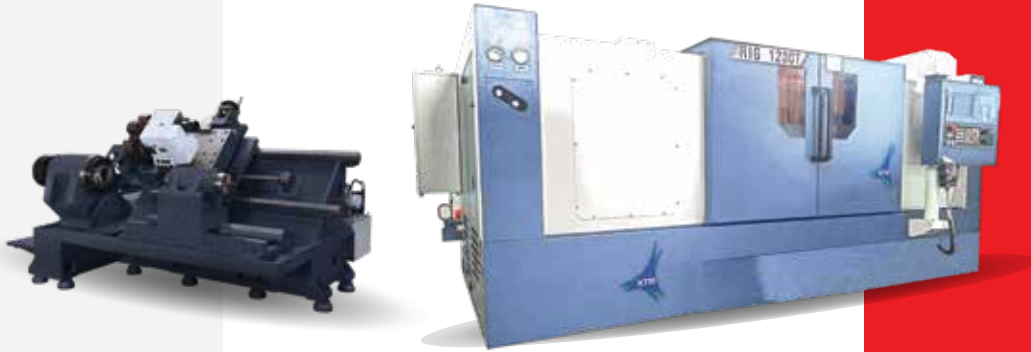
MODEL	A	B	C	D	E	F	G	L	M	N	O	P	Q
800	810	710	120	A2-6	80	280	100	360	350	500	280	185	135
800+	780	710	120	A2-8	80	255	135	360	350	550	315	185	135

DESCRIPTION	UNIT	RIG 800	RIG 800+
CAPACITY			
Swing Over The Bed	mm	500	550
Swing Over Carriage	mm	350	350
Max. Turning Dia.	mm	360	360
Max. Turning Length	mm	800	780
SPINDLE			
Spindle Nose	type	A2-6	A2-8
Spindle Bore	mm	63	86
Maximum Bar Capacity Through Spindle	mm	51	75
Chuck Size Std./ Optional	mm	200/250	250/300
Spindle Motor Power Cont./ 30 Min. Rating	kw	7.5/11	11/15
Spindle Speed Range Min.- Max.	RPM	50-3500	50-2500
Spindle Torque Cont./ 30min	nm	114/140	170/238
FEED			
X- Axis Stock	mm	185	185
Z - Axis Stock	mm	825	800
Maximum Cutting Feed Rate (X/Z)	mm/min	8000	8000
Rapid Feed Rate (X/Z)	mm/min	24000	24000
QUILL			
Quill Diameter	mm	85	100
Quill Stock	mm	120	120
Taper In Quill	type	MT-4	MT-5
Maximum Quill Thrust	kgf	1500	1800
Tail Stock Body Travel	mm	710	710
TURRET			
Turret Size	size	80	100
Turret Type	type	HYD.	HYD.
Numbers Of Tool Stations	nos.	8	8
Maximum Boring Bar Diameter	mm	40	40
Tool Shank	mm x mm	25 x 25	25 x 25
TANK CAPACITY			
Positioning Uncertainty X/Z	mm	±0.003	± 0.003
Positioning Repeatability X/Z	mm	0.008	0.008
Hydraulic Tank Capacity	ltr	40	40
Lubricating Tank Capacity	ltr	3	3
Coolant Tank Capacity	ltr	160	160
ABOUT			
Machine Over All Dimensions(L x W x H)	mm x mm x mm	3250 x 1850 x 1650	3250 x 1850 x 1650
Machine Weight (Approx)	kg	4600	5000

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RIG SERIES

1200 | 1200+ | 1500 | 2000

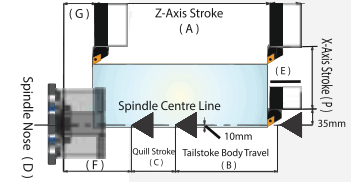
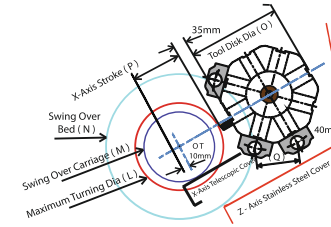
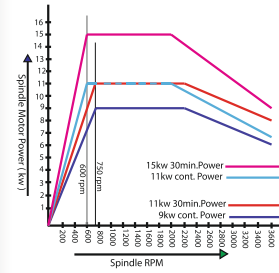


STANDARD FEATURES

- >> 45° True Slant Bed Construction
- >> 40X10 Size Ball Screw with C3 Grade , Long Nut and Deep Groove with Zero
- >> High Precision Grade 30 Size Ball Type LM Guideways with Medium preload Flange Type Blocks
- >> Digital Servo Spindle Motor
- >> Cartridge Type High Speed Rigid Spindle with P4 Class Angular Contact Bearings(3+2)
- >> Hydraulic Power Chuck Jaw with Hard Jaw and Soft Jaw
- >> Linear type Tooling system
- >> All Telescopic Cover in Stainless Steel Grade
- >> Machine Guard With RAL 7037 & RAL 7035 Powder Coated
- >> Electric Pannel with Air Conditioner
- >> Coolant Unit, Auto Lubrication Unit
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OPTIONAL FEATURES

- Chip Conveyor | Voltage Stabilizer | Revolving Center
- Through Coolant Boring Pump | High Pressure Coolant Pump
- Auto Door Bar Feeder | Bar Puller | Part Catcher | Oil Skimmer



MODEL	A	B	C	D	E	F	G	L	M	N	O	P	Q
1200	1200	1100	120	A2-6	80	275	100	360	350	500	280	185	135
1200+	1180	1100	120	A2-8	80	300	135	360	350	550	315	185	135
1500	1500	1200	120	A2-11	100	400	135	500	400	700	315	265	135
2000	2000	1500	120	A2-11	100	500	135	500	400	700	315	265	135

DESCRIPTION	Unit	RIG 1200	RIG 1200+	RIG 1500	RIG 2000
CAPACITY					
Swing Over The Bed	mm	500	550	700	700
Swing Over Carriage	mm	350	350	400	400
Max. Turning Dia.	mm	360	360	500	500
Max. Turning Length	mm	1200	1180	1500	2000
SPINDLE					
Spindle Nose	type	A2-6	A2-8	A2-11	A2-11
Spindle Bore	mm	63	86	105	105
Maximum Bar Capacity Through Spindle	mm	51	75	90	90
Chuck Size Std./ Optional	mm	200/250	250/300	305	400
Spindle Motor Power Cont./ 30 Min. Rating	kw	9/11	11/15	15/18.5	18.5/23
Spindle Speed Range Min.- Max.	RPM	50-3500	50/2500	50-1800	50-1250
Spindle Torque Cont./ 30min	nm	114/140	170/238	-	-
FEED					
X- Axis Stock	mm	185	185	265	265
Z - Axis Stock	mm	1245	1220	1510	2000
Maximum Cutting Feed Rate (x/z)	mm/min	8000	8000	8000	8000
Rapid Feed Rate (x/z)	mm/min	24000	24000	20000	20000
QUILL					
Quill Diameter	mm	85	100	100	100
Quill Stock	mm	120	120	120	120
Taper In Quill	type	MT-4	MT-5	MT-5	MT-5
Maximum Quill Thrust	kgf	1500	1800	1800	1800
Tail Stock Body Travel	mm	1100	1100	1200	1500
TURRET					
Turret Size	size	100	100	125	125
Turret Type	type	HYD.	HYD.	HYD.	HYD.
Numbers Of Tool Stations	nos.	8	8	8	8
Maximum Boring Bar Diameter	mm	40	40	50	50
Tool Shank	mm x mm	25 x 25	25 x 25	32 x 32	32 x 32
TANK CAPACITY					
Positioning Uncertainty X/Z	mm	±0.003	±0.003	±0.003	±0.003
Positioning Repeatability x/z	mm	0.008	0.008	0.008	0.008
Hydraulic Tank Capacity	ltr	40	40	40	40
Lubricating Tank Capacity	ltr	3	3	3	3
Coolant Tank Capacity	ltr	220	220	220	220
ABOUT					
Machine Over All Dimensions(L x W x H)	mm x mm x mm	3500 x 2050 x 1650	3500 x 2050 x 1650	4500 x 2200 x 2300	5000 x 2200 x 2300
Machine Weight (Approx)	kg	5500	5900	7200	5000 x 2200 x 2300

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*Machine weight of same model can be vary from Machine to Machine.

OUR FACILITIES



LASER Calibration

>> A laser Test Ensures Positioning And Repeatability On All 2Axis.

SPINDLE VIBRATION METER

>> Machine Spindles are Tested Using The Range To Ensure are Within a Normal Range Of Vibration

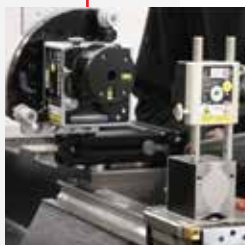


BELT TENSION METER

>> To Reduce Belt Failure, The Belt Tension Is Set With a Belt Tension Meter.

VIBRATION ANALYZER & BALANCER

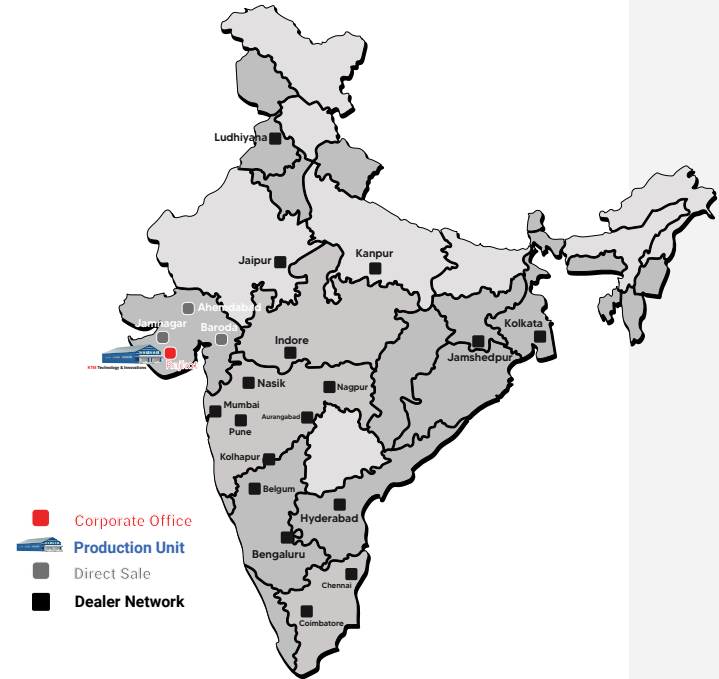
>> Smooth Operation By Re-Balancing The Spindle With The Powerfull Analysis Software, We Can Manage The Equipment Database.



ALIGNMENT LASER SYSTEM

>> As Well As Checking The Directions, Squareness, Flatness, Parallelism, And Levelness Of Rails, Rotary Machines Are Also Tested For Coaxiality And Spindle Straightness.

OUR PRESENCE



OUR Globally Target

