



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

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MANUFACTURER OF:
CNC | TMC | DTC | VTL |
VMC | HMC | DCMC



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

FAST MOVING TURNING PRODUCTS

CYNIC & 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.



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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CYNIC SERIES 370

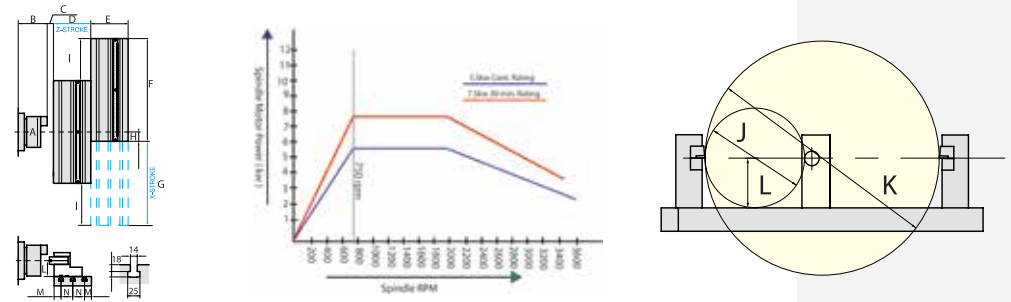


STANDARD FEATURES

- >> 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 Pannel 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	H	I	J	K	L	M	N
370	165	160	-5	200	200	575	370	110	212.5	165	300	105	25	50

DESCRIPTION	UNIT	CYNIC 370
CAPACITY		
Swing Over The Bed		350
Max. Turning Dia.		180
Max. Turning Length		200
SPINDLE		
Chuck Size		165
Spindle Bore		50
Spindle Speed(rpm)		4000
Motor (max/cont.)		7.5/5.5
Torque (max/cont.)		47/35
Spindle Type		Belt
Spindle Noise		A2-5
FEED		
Travel(x/z)		370/200
Rapid Travel(x/z)		20/20
Slide Type		LM Guide
BLOCK TOOL		
No. Of Tool	-	04
Tool Size		25 x 25
Maximum Boring Bar Diameter		Ø 32
TANK CAPACITY		
Coolant Tank		150
Lubricating Tank		3
POWER SUPPLY		
Electric Power Supply		12
Thickness Of Power Cable		12
Voltage		
OTHER		
Floor Space(lxw)		2300 x 1650
Height		1800
Weight		2200
Controller		Siemens 808 Adv

*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 300 | 300+

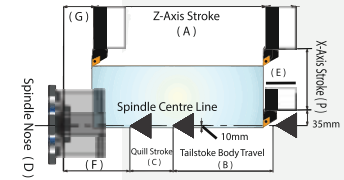
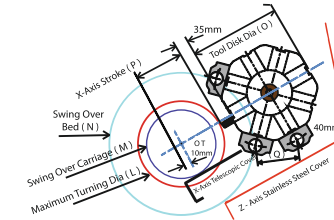
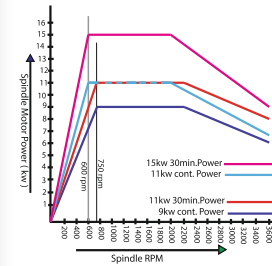


STANDARD FEATURES

- >> 45° True Slant Bed Construction
- >> Ball Screw with C3 Grade , Long Nut and Deep Groove with Zero Backlash
- >> High Precision Grade And Roller Type LM Guideways with Medium Preloaded Flange Type Blocks
- >> Digital Servo Spindle Motor
- >> Cartridge Type High Speed Rigid Spindle with P4 Class Angular Contact Ball Bearings(3+2)
- >> Hydraulic Power Chuck Jaw with Hard Jaw and Soft Jaw
- >> Hydraulic 80 Bi-Direction Turret
- >> All Telescopic Cover in Stainless Steel Grade
- >> Machine Guard With RAL 7037 & RAL 7035 Powder Coated
- >> Electric Panel with Air Conditioner
- >> High Pressure Coolant Unit
- >> Auto Lubrication Unit
- >> Boring Bar Tool Holder
- >> Revolving Center , Axial Tool Holder, Coolant Tank
- >> Sleeve Set , Allen Key Set , Spnner Set ,
- >> Levling Pads , Grease Gun

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
300	300	270	120	A2-5	80	200	100	300	250	400	280	165	135
300+	280	270	120	A2-6	80	200	100	300	250	400	280	165	135

DESCRIPTION	UNIT	RIG 300	RIG 300+
CAPACITY			
Swing Over The Bed	mm	400	400
Swing Over Carriage	mm	250	300
Max. Turning Dia.	mm	300	300
Max. Turning Length	mm	300	280
SPINDLE			
Spindle Nose	type	A2-5	A2-6
Spindle Bore	mm	50	63
Maximum Bar Capacity Through Spindle	mm	40	51
Chuck Size Std./ Optional	mm	165/200	200/250
Spindle Motor Power Cont./ 30 Min. Rating	kw	5.5/7.5	7.5/11
Spindle Speed Range Min.- Max.	RPM	50-4000	50-3500
Spindle Torque Cont./ 30min	nm	70/95	95/140
FEED			
X- Axis Stock	mm	160	160
Z - Axis Stock	mm	305	305
Maximum Cutting Feed Rate (X/Z)	mm/min	10000	10000
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-4
Maximum Quill Thrust	kgf	1500	1500
Tail Stock Body Travel	mm	220	220
TURRET			
Turret Size	size	80	80
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	25X25
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	ltr	100	100
ABOUT			
Machine Over All Dimensions(L x W x H)	mm x mm x mm	2700 x 1420 x 1700	2700 x 1420 x 1700
Machine Weight (Approx)	kg	3200	3400

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RIG SERIES 500 | 500+

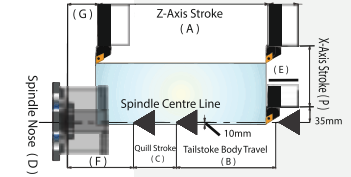
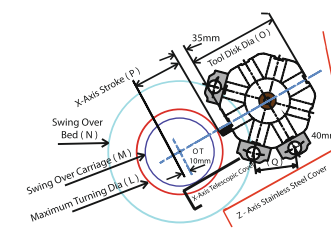
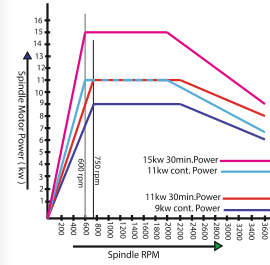


STANDARD FEATURES

- >> 45° True Slant Bed Construction
- >> Ball Screw with C3 Grade , Long Nut and Deep Groove with Zero Backlash
- >> High Precision Grade And Roller Type LM Guideways with Medium Preloaded Flange Type Blocks
- >> Digital Servo Spindle Motor
- >> Cartridge Type High Speed Rigid Spindle with P4 Class Angular Contact Ball Bearings(3+2)
- >> Hydraulic Power Chuck Jaw with Hard Jaw and Soft Jaw
- >> Hydraulic 80 Bi-Direction Turret
- >> All Telescopic Cover in Stainless Steel Grade
- >> Machine Guard With RAL 7037 & RAL 7035 Powder Coated
- >> Electric Panel with Air Conditioner
- >> High Pressure Coolant Unit
- >> Auto Lubrication Unit
- >> Boring Bar Tool Holder
- >> Revolving Center , Axial Tool Holder, Coolant Tank
- >> Sleeve Set , Allen Key Set , Spnner Set ,
- >> Levling Pads , Grease Gun

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
500	500	400	120	A2-5	80	230	100	300	250	500	280	165	135
500+	480	400	120	A2-6	80	230	100	300	250	500	280	165	135

DESCRIPTION	UNIT	RIG 500	RIG 500+
CAPACITY			
Swing Over The Bed	mm	500	500
Swing Over Carriage	mm	300	300
Max. Turning Dia.	mm	300	300
Max. Turning Length	mm	500	480
SPINDLE			
Spindle Nose	type	A2-5	A2-6
Spindle Bore	mm	50	63
Maximum Bar Capacity Through Spindle	mm	40	51
Chuck Size Std./ Optional	mm	165/200	200/250
Spindle Motor Power Cont./ 30 Min. Rating	kw	5.5/7.5	7.5/11
Spindle Speed Range Min.- Max.	RPM	50-3500	50-3500
Spindle Torque Cont./ 30min	nm	70/95	95/140
FEED			
X- Axis Stock	mm	165	165
Z - Axis Stock	mm	510	500
Maximum Cutting Feed Rate (X/Z)	mm/min	10000	10000
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-4
Maximum Quill Thrust	kgf	1500	1500
Tail Stock Body Travel	mm	375	375
TURRET			
Turret Size	size	80	80
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	ltr	120	120
ABOUT			
Machine Over All Dimensions(L x W x H)	mm x mm x mm	2700 x 1600 x 1550	2900 x 1600 x 1700
Machine Weight (Approx)	Kg	3400	3500

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OUR FACILITES



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

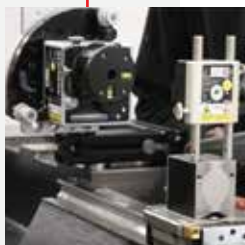


BELT TENSION METER

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

VIBRATION ANALYZER & BALANCER

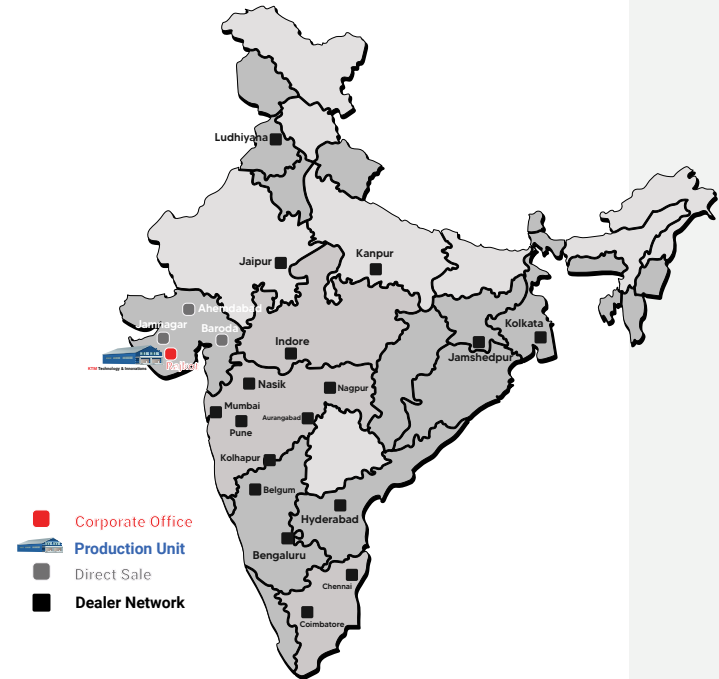
>> Smooth Operation By Re-Balancing The Spindle With The Powerfull Analysis Software, We Can Manage The Equipment Database.



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

