



**Economical**



**Fast**



**Easy**



**Compact**



**Efficient**



**REALTECH CNC**

**RTV 500**



**REALTECH CNC**

'Economizing Technology'

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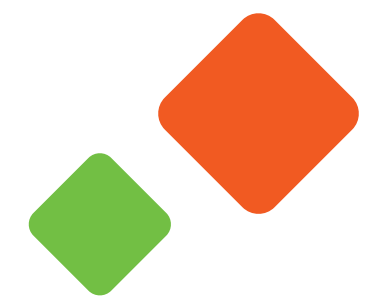
**REALTECH CNC**



**30% Cost Benefit**

**30% Profit Improvement**

**Best Technical & Programing Support**



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# ABOUT US



**Realtech Engineering** has started its business in 2007 from Rajkot (Gujarat) with CNC Machine supply and providing after sales service support. By expanding our horizon we established our branches in Ahmedabad, Jamnagar, Surendranagar, Mumbai, Rohtak, Pune, Delhi, Ludhiana. We have crossed **2000 machine installation** and moving further towards steady growth. Prompt and efficient service is the governing factor of our business policy, We ensure our customers provide the best, fast and economical cost with the latest technology to sustain in stiff market competition.

The company Founded by **Mr. Vanrajsinh Parmar**, who has over 21 years experience in machine tool industry, has helped company to grow in these years in leaps and bounces.

Over the period Realtech Engineering has developed very strong technical ability and adapted latest & most efficient production and management practice. The company offers very wide range of products in **CNC Turning Center, Flat Bed Linear, Slant Bed Linear, Polygon Turning, Live Tool, Drill Tap Center** and **VMC**.



# PRODUCTS



Flat Bed Linear CK 632/640/6100



640/6100Slant



RT-35/45



640/6100LiveTool/Flycut



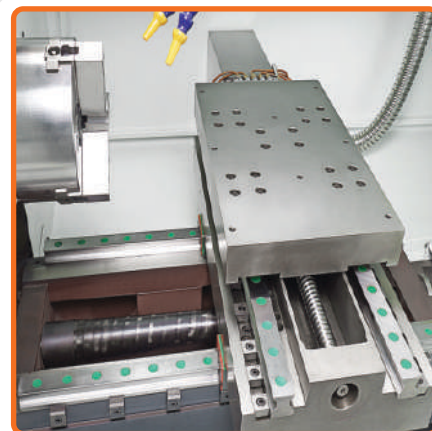
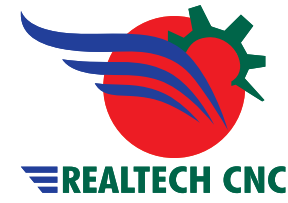
RT-200/5



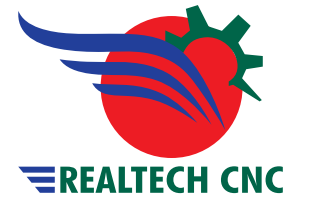
RTV - 500



# Flat Bed Linear MACHINE

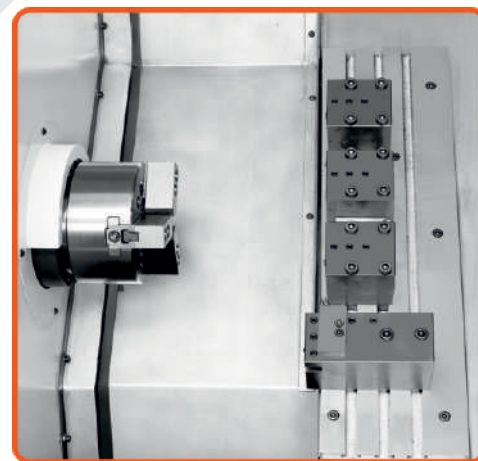


# CK 632/640/6100 TECHNICAL SPECIFICATIONS

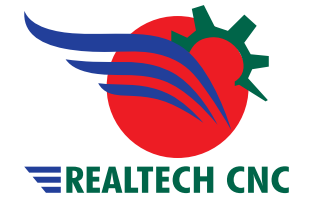


SPECIFICATIONS	UNIT	CK 632	CK 640	CK 6100
Swing Over Bed	mm	400	400	450
Maximum Cutting Dia.	mm	135	165	240
Maximum Cutting Length	mm	180	210	300
Chuck Size	mm	135	165	200
X Axis Travel	mm	540	500	500
Z Axis Travel	mm	180	210	300
Dia.of Spindle Bore	mm	30	32	42
Spindle Nose	-	A2-4	A2-5	A2-6
Spindle Speed	rpm	4500	2800	2500
Spindle Motor Power	kw	3.7	5.5	7.5
Rapid Feed X/Z	mm/min	24	20	20
Ball Screw Size X	mm	25/8	25/6	32/8
Ball Screw Size Z	mm	32/10	32/8	32/8
Linear Guideways X/Z	mm	30/30	32/35	32/35
Axis Torque X/Z	nm	6/6	6/6	7.7/7.7
Tool Cross Section	mm	20/20	20/20	25/25
Max Boring Block	mm	32	32	32
Position Accuracy	mm	0.003	0.003	0.003
Repeatability	mm	0.003	0.003	0.003
Total Machine Power	hp	10	10	12
Overall Dimention (L x W x H)	mm	1800x1700x1400	1900x1200x1600	
Machine Weight (Approx)	kg	1500	1500	1800

# 640 SLANT MACHINE

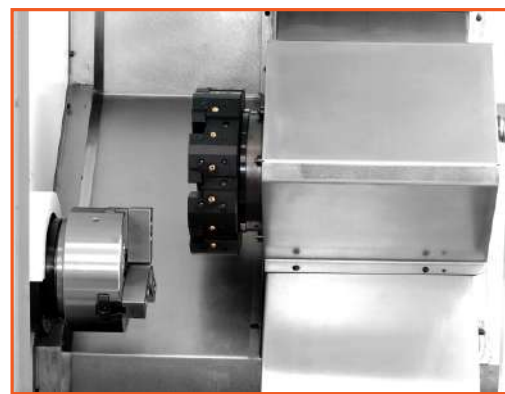


# 640 SLANT TECHNICAL SPECIFICATIONS



SPECIFICATIONS	UNIT	640 SLANT	6100 SLANT
Swing Over Bed	mm	400	400
Maximum Cutting Dia.	mm	150	150
Maximum Cutting Length	mm	280	280
Chuck Size	mm	165	200
X Axis Travel	mm	650	650
Z Axis Travel	mm	280	280
Dia.of Spindle Bore	mm	32	42
Spindle Nose	-	A2-5	A2-6
Spindle Speed	rpm	3000	2500
Spindle Motor Power	kw	5.5	7.5
Rapid Feed X/Z	mm/min	20	20
Ball Screw Size X	mm	32/10	32/10
Ball Screw Size Z	mm	40/10	40/10
Linear Guideways X/Z	mm	30/35	30/35
Axis Torque X/Z	nm	7.7/7.7	7.7/7.7
Tool Cross Section	mm	20/20	25/25
Max Boring Block	mm	32	32
Position Accuracy	mm	0.003	0.003
Repeatability	mm	0.003	0.003
Total Machine Power	hp	10	12
Overall Dimention (L x W x H)	mm	1900 x1200 x1600	
Machine Weight (Approx)	kg	2000	2100

# RT 35/45 MACHINE

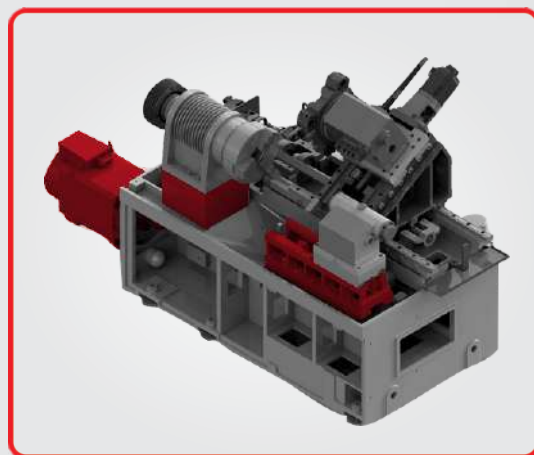


# RT 35/45 TECHNICAL SPECIFICATIONS

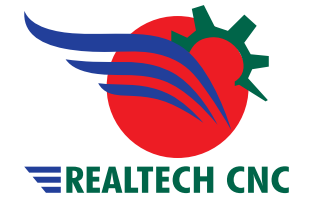


SPECIFICATIONS	UNIT	RT 35	RT 45
Swing Over Bed	mm	460	460
Maximum Cutting Dia.	mm	250	250
Maximum Cutting Length	mm	210	210
Chuck Size	mm	165	200
X Axis Travel	mm	420	420
Z Axis Travel	mm	220	220
Dia.of Spindle Bore	mm	32	42
Spindle Nose	-	A2-5	A2-6
Spindle Speed	rpm	3500	3000
Spindle Motor Power	kw	5.5	7.5
Repid Feed X/Z	mm/min	20/20	20/20
Ball Screw Size X	mm	32/10	32/10
Ball Screw Size Z	mm	40/10	40/10
Linear Guideways X/Z	mm	30/35	30/35
Axis Torque X/Z	mm	7.7/7.7	7.7/7.7
Tool Type	no	BTP/63	BTP/80
Number Of Stations	no	8	8
Tool Size	mm	20/20	25/25
Max Boring Block	mm	32	42
Position Accuracy	mm	0.003	0.003
Repeatability	mm	0.003	0.003
Total Machine Power	hp	15	15
Overall Dimention (L x W x H)	mm	2250 x 2000 x 1600	
Machine Weight (Approx)	kg	2100	2300

# RT 200/5 MACHINE

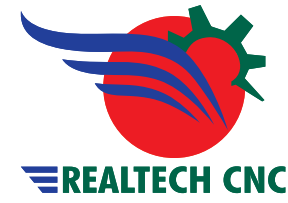


# RT 200/5 TECHNICAL SPECIFICATIONS

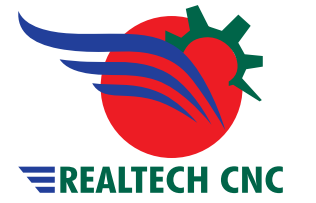


SPECIFICATIONS	UNIT	RT 200/5
Max. Swing Over Bed	mm	510
Max. Turning Diameter	mm	375
Between Center Max. Turning Dia.	mm	210
Max. Turning Length*	mm	425
Admit Between Centers	mm	425
Hydraulic Chuck Size (Max)	mm(Inch)	200/250
Slide Inclination to Bed	Slant / Saddle	Slant / Saddle
Cross Travel (X axis)	mm	190
Longitudinal Travel (Z Axis)	mm	475
Rapid Rate (X/Z axis)	m/min	30/30
Ball Screw (X/Z axis)	mm	THK 32x16/32x16
LM Guide Ways (X/Z axis)	Size	35/35
Spindle Motor Power	kw	11kw
Spindle Bore Dia.	mm	63
Maximum Bar Capacity	mm	51
Spindle Nose	Type	A2-6
Spindle Speed (max.)	rpm	3500
Electromechanical/Hydraulic	Type	Size 80
No. of Stations	No.	8/12
Max. Boring Bar Capacity	mm	40
Tool Cross Section	mm	25x25
Quill Dia.	mm	70
Quill Stroke	mm	100
Thrust (max.)	kgf	350
Quill Taper	Type	Mt4
Tank Capacity	Ltr.	130
Pump Motor Capacity	kw	0.2
Positioning	mm	+/-0.003
Repeatability	mm	+/-0.002
Spindle Bearing	Type	Grease Packed
Guides & Ball Screws	Type	Automatic Centralized
Lubrication Tank Capacity	Ltr.	2.7
	mm	2440x2680x1730
Machine Weight (appx.)	kg	3500
Machine Power	kVA	20

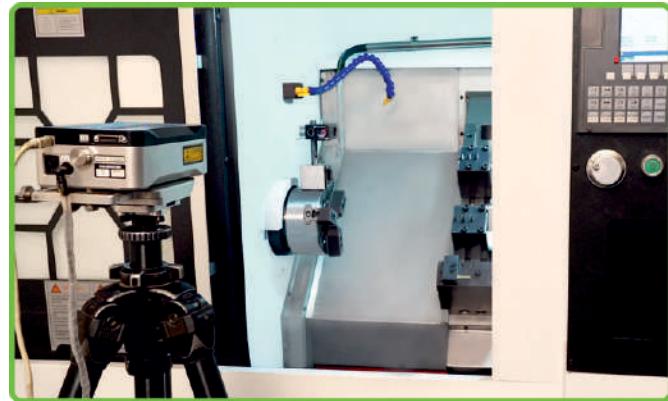
# RTV-500 MACHINE



# RTV -500 TECHNICAL SPECIFICATIONS

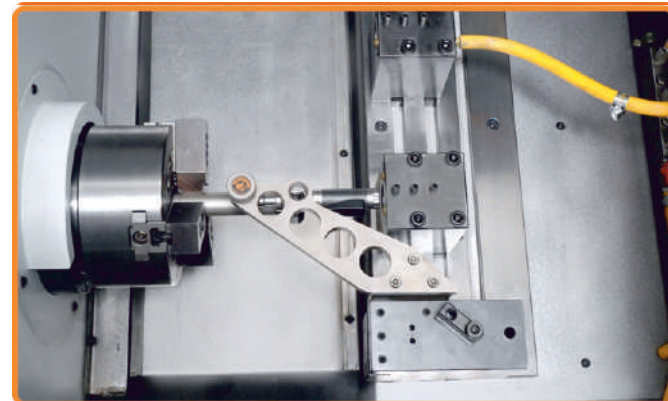


SPECIFICATIONS	UNIT	RTV - 500
Workbench Size	mm	500x400
Maximum Load	mm	150kg
Principal Axis Max Speed Of Mainsaft	rpm	6000
Spindle Power	mm	5.5kw
Taper Hole of Spindle	mm	Bt30
Fucation Drilling?Tapping		
Distance Work Table To Spindle Face	mm	150-400
Deed Quick Travel X Axis	m/min	30
Deed Quick Travel Y Axis	m/min	30
Deed Quick Travel Z Axis	m/mm	30
Feed Journey X Axis	mm	550
Feed Journey Y Axis	mm	400
Feed Journey Z Axis	mm	250
Cutting Feed Speed	mm/min	10000
Atc Tool Quantity	em	12
Atc Tool Holder Type	st	Bt30
Atc Maximum Drilling Dia.	mm	?25-?30#?
Atc Maximum Tapping Dia.	mm	M20?45#?
Atc Maximum Milling Cutting Dia.	mm	63
Atc Repeated Positioning Accuracy	mm	± 0.003
Barometric Pressure	kgf/cm2	6
Power Supply Quantity	kva	15
Machine Size	mm	1750x1480x2100
Machine Weight	kg	1800



**Laser Calibration**

Laser Calibration is carried out to insure the linear accuracy, providing accurate compensation for pitch and backlash. The machine facilities the attainment of positional accuracy up to 0.002 mm / 300 mm and repeatability accuracy up to 0.003 mm.



**Ball Bar Testing**

**MACHINE SUPPLIED TO  
REPUTED COMPANIES VENDOR**

