

Economizing
Technology



**BEST TECHNICAL &
APPLICATION SUPPORT**

ABOUT US

Realtech Engineering started its business in 2007 in Rajkot (Gujarat) with CNC machine supply and providing after-sales service support. By expanding our horizons, we established our branches in Ahmedabad, Jamnagar, Surendranagar, Mumbai, Rohtak, Pune, Delhi, and Ludhiyana. We have crossed **4500 machine installations** and are 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 the machine tool industry, has helped the company grow in these years in leaps and bounces. Over the period, Realtech Engineering has developed very strong technical ability and adapted the latest and most efficient production and management practices. The company offers a very wide range of products in **CNC Turning Center, Flat Bed Linear, Slant Bed Linear, Polygon Turning, Live Tool, Drill Tap Center and Vertical Machining Center (VMC). Turnmill center, double-spindle, robot, gantry**



PRODUCTS



FLAT BED LINEAR CK 632/640/6100



CK 640/6100 SLANT



RT 35 / 45



CK 640 / 6100 LIVETOOL / FLYCUT

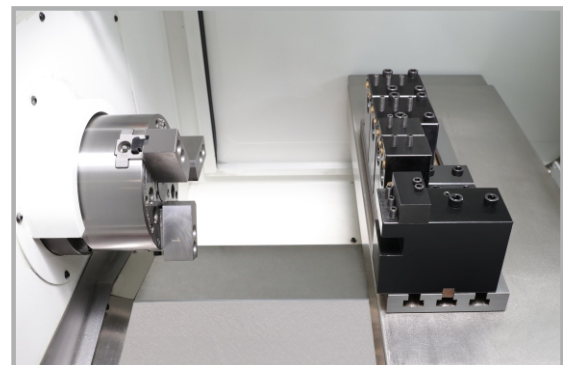


RT 165-4 / RT 200-5



RF-50-750 / RF - 50-1000

FLAT BED LINER MACHINE



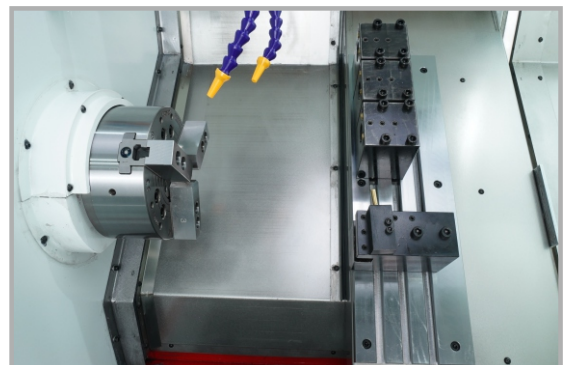
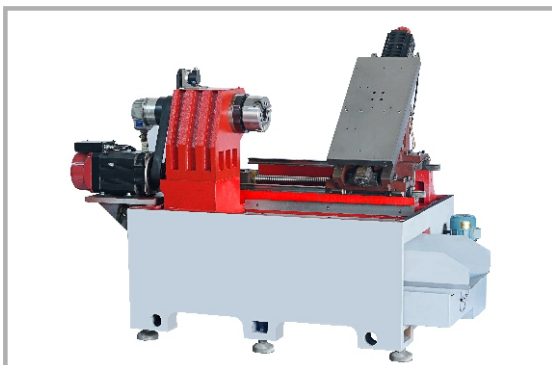
CK 632 / 640 / 6100

TECHNICAL SPECIFICATION



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
Bar Capacity	mm	32	40	50
Spindle Nose	-	A2-4	A2-5	A2-6
Spindle Speed	rpm	4500	2800	2500
Spindle Motor Power	kw	3.7	3.7	7.5
Repid Feed X/Z	m/min	24/24	20/20	20/20
Ball Screw Size X	mm	25/8	25/8	32/8
Ball Screw Size Z	mm	32/8	32/10	32/10
Linear Guideways X/Z	mm	30/30	30/35	30/35
Axis Torque X/Z	N.m	6/6	6/6	7.7/7.7
Tool Cross Section	mm	20/20	20/20	25/25
Max Boring Block	mm	32	32	32/40
Position Accuracy	mm	0.003	0.003	0.003
Repeatability	mm	0.003	0.003	0.003
Total Machine Power	hp	12	12	20
Overall Dimention (LxWxH)	mm	1800X1700X1400		1900X1200X1600
Machine Weight (Approx)	kg	1500	1500	1800

SLANT BED LINEAR MACHINE



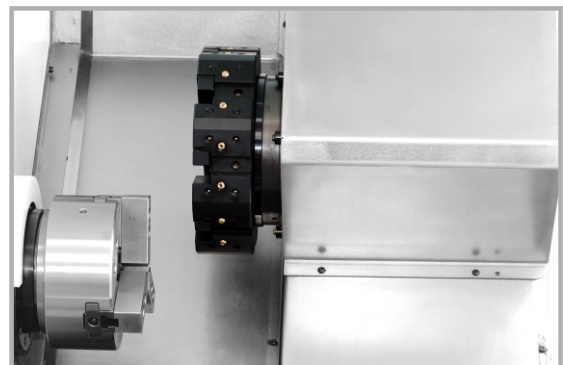
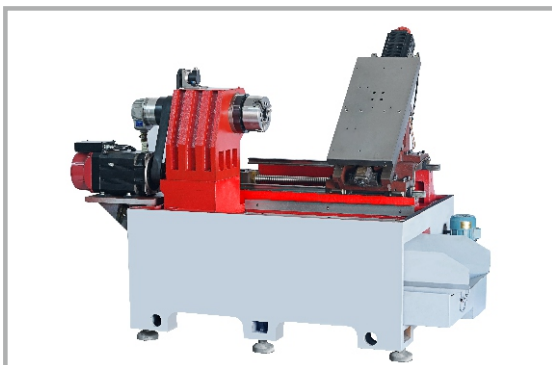
CK 640 / 6100 SLANT

TECHNICAL SPECIFICATION



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
Bar Capacity	mm	40	50
Spindle Nose	-	A2-5	A2-6
Spindle Speed	rpm	3000	2500
Spindle Motor Power	kw	5.5	7.5
Rapid Feed X/Z	m/min	20/20	20/20
Ball Screw Size X	mm	32/8	32/8
Ball Screw Size Z	mm	40/10	40/10
Linear Guideways X/Z	mm	30/35	30/35
Axis Torque X/Z	N.m	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	16	20
Overall Dimention (LxWxH)	mm	1900x1200x1600	
Machine Weight (Approx)	kg	2000	2100

TURRET WITHOUT TAIL STOCK MACHINE



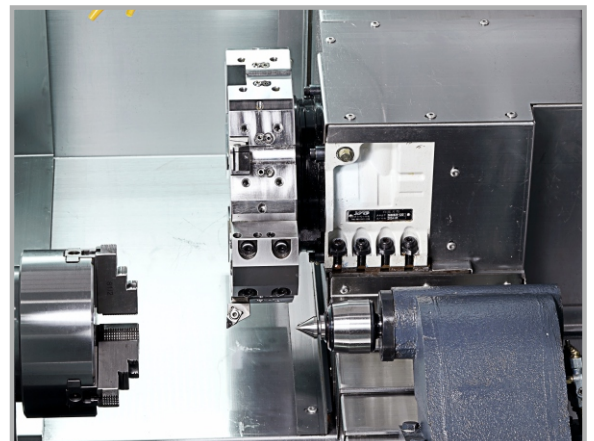
RT 35/45

TECHNICAL SPECIFICATION



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
Bar Capacity	mm	40	50
Spindle Nose	--	A2-5	A2-6
Spindle Speed	rpm	3000	3000
Spindle Motor Power	kw	5.5	7.5
Repid Feed X/Z	m/min	20/20	20/20
Ball Screw Size X	mm	32/8	32/8
Ball Screw Size Z	mm	40/10	40/10
Linear Guideways X/Z	mm	30/35	30/35
Axis Torque X/Z	N.m	7.7/7.7	7.7/7.7
Turret Type	type	BTP/63	BTP/80
Number Of Stations	nos.	8	8
Tool Size	mm	20/20	25/25
Max. Boring Block	mm	32	40
Position Accuracy	mm	0.003	0.003
Repeatability	mm	0.003	0.003
Total Machine Power	hp	18	22
Overall Dimention (LxWxH)	mm	2250X2000X1600	
Machine Weight (Approx)	kg	2100	2300

TURRENT WITH TAILS STOCK MACHINE



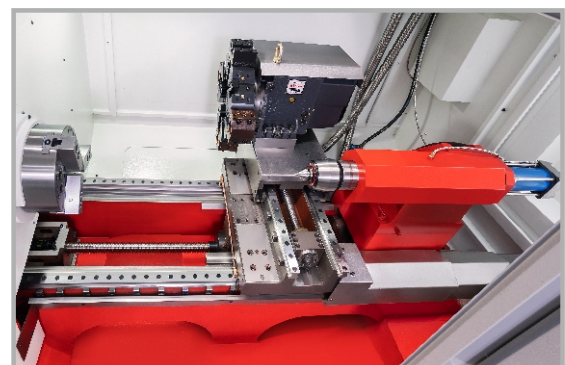
RT - 165-4/200-5

TECHNICAL SPECIFICATION



Specifications	Unit	RT 165-4	RT 200-5
Swing Over Bed	mm	Ø330	Ø480
Maximum Cutting Dia.	mm	Ø230	Ø270
Maximum Cutting Length	mm	400	500
Chuck Size	mm	165	200
X Axis Travel	mm	240	270
Z Axis Travel	mm	410	550
Spindle Nose	mm	A2-5	A2-6
Bar Capacity	mm	40	50
Spindle Speed	rpm	3000	3000
Spindle Motor Power	kw	7.5 Servo	11 Servo
Rapid Feed X/Z	m/min	20/20	20/20
Ball Screw Size X	mm	32/10	32/10
Ball Screw Size Z	mm	32/10	32/10
Linear Roller Guideways X/Z	mm	30/30	30/30
Axis Torque X/Z	N.m	10/10	10/10
Turret Indexing	type	Servo Hydraulic(Taiwan) Servo Hydraulic(Taiwan)	
Number Of Stations	nos.	8	8
Tool Shank Size	type	20 x 20	25X25
Max. Boring Block	mm	32	40
Quill Taper	type	MT-4	MT-4
Tailstock Stroke	mm	240	340
Position Accuracy	mm	0.005	0.005
Repeatability	mm	0.003	0.003
Total Machine Power	hp	15	20
Overall Dimension (L x W x H)	mm	2200X1800X1900	2600X1600X1900
Machine Weight (Approx)	kg	2000	2500

TURRET WITH TAIL STOCK FOR LONG PARTS MACHINE



RT - 50/750 RF - 50/1000

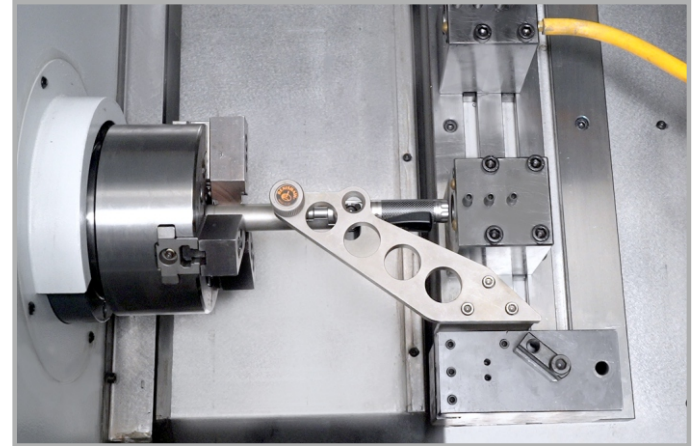
TECHNICAL SPECIFICATION



Specifications	Unit	RF 50/750	RF 50/1000
Swing Over Bed	mm	Ø520	Ø520
Maximum Cutting Dia.	mm	Ø270	Ø270
Maximum Cutting Length	mm	750	930
Chuck Size	mm	200	200
X Axis Travel	mm	235	235
Z Axis Travel	mm	780	750
Spindle Nose	--	A2-6	A2-6/A2-8
Bar Capacity	mm	50	50
Spindle Speed	rpm	3000	3000
Spindle Motor Power (Servo)	kw	11	11
Rapid Feed X/Z	m/min	18/22	18/22
Ball Screw Size X	mm	32/8	32/8
Ball Screw Size Z	mm	40/10	40/10
Linear Guideways X/Z	mm	30/35	30/35
Axis Torque X/Z	N.m	7.7/10	7.7/10
Turret Type	type	BTP-80	BTP-80
Number Of Stations	nos.	8	8
Tool Size	mm	25/25	25/25
Max. Boring Block	mm	32/40	32/40
Quill Taper	type	MT-5	MT-5
Quill Dia.	mm	80	80
Quill Dia. Stroke	mm	100	100
Position Accuracy	mm	0.005	0.005
Repeatability	mm	0.003	0.003
Total Machine Power	hp	22	22
Overall Dimension (L x W x H)	mm	2850x1730x2060	2850x1730x2060
Machine Weight (Approx)	kg	4000	4000



Laser Calibration



Ball Bar Testing

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

Standard Accessories

- Ac Spindle And Axes Drives
- Precision Linear Motion Guides
- Precision Ball - Screw
- Hydraulic Power Chuck (3-Jaw)
- Automatic Oil Lubrication System
- Hydraulic Power Pack System
- High Pressure Coolant System
- Boring Tool Holders
- Side / Facing Tool Holders
- Panel Air - Conditioner
- Panel Safety Devise
- Foot Padel
- 3-Tier Lamp
- Round Level Pads
- Tool Kit
- Heavy Duty Tool Turret (In Turret Machines)
- Hydraulic Tailstock (In Between Centre Machines)
- Revolving Centres (In Between Centre Machines)

Optional Accessories

- Voltage Stabilizer
- Toolings As Per Requirement
- Bar Feeder
- Sleeve Set
- Anti-vibration Level Pads
- Special Requirement Collets & Chucks
- Chip Conveyor
- Oil Skimmer

OUR NETWORK



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