



**Economical**



**Fast**



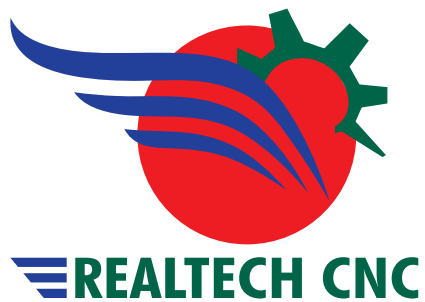
**Easy**



**Compact**



**Efficient**



**REALTECH CNC**

**RTV 500**



**REALTECH CNC**

'Economizing Technology'

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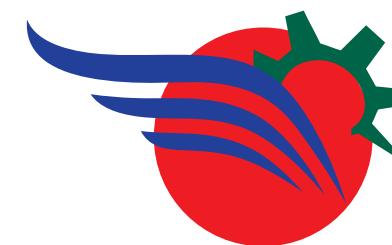
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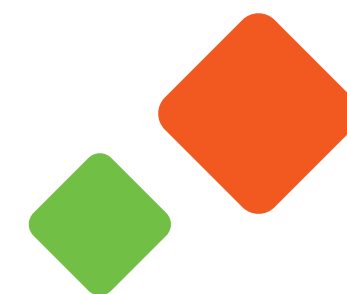
**REALTECH CNC**



**30% Cost Benefit**

**30% Profit Improvement**

**Best Technical & Programing Support**



'Economizing Technology'

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# ABOUT US



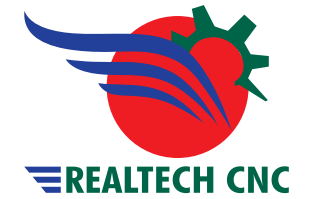
**Realtech Engineering** has started its business in 2007 from Rajkot (Gujarat) with CNC Machine supply and providing after sales service support. By expanding our horizon we established our branches in Ahmedabad, Jamnagar, Surendranagar, Mumbai, Rohtak, Pune, Delhi, Ludhiana. We have crossed **2000 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



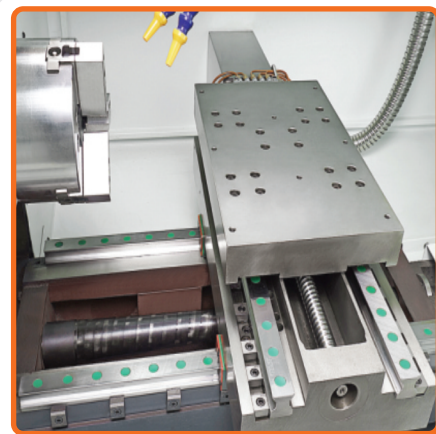
RT-200/5



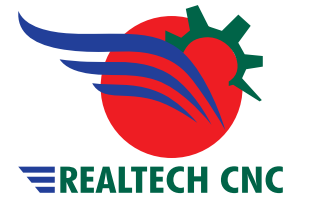
RTV - 500



# Flat Bed Linear MACHINE

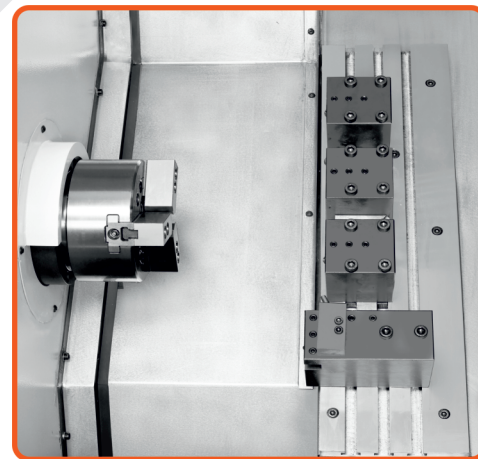


# CK 632/640/6100 TECHNICAL SPECIFICATIONS



| 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

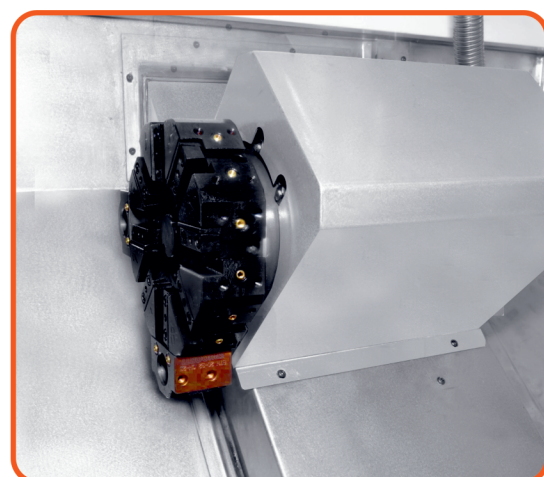


# 640 SLANT TECHNICAL SPECIFICATIONS



| 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

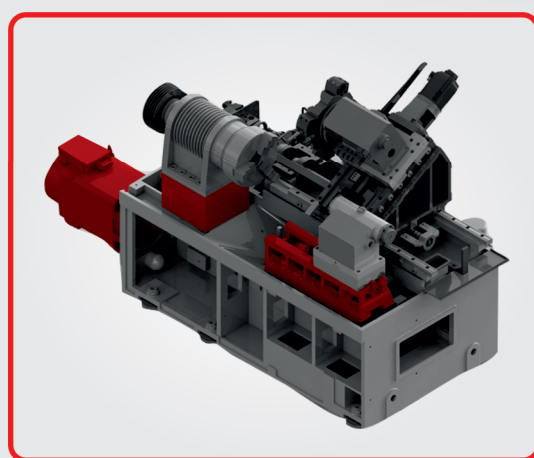


# RT 35/45 TECHNICAL SPECIFICATIONS



| 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     |
| Rapid 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                    |

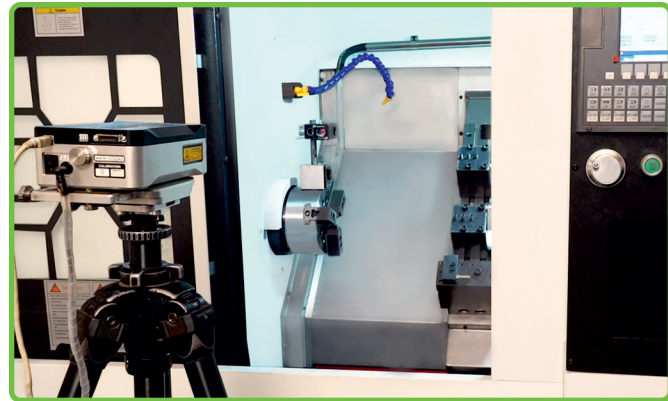
# RTV-500 MACHINE



# RTV -500 TECHNICAL SPECIFICATIONS

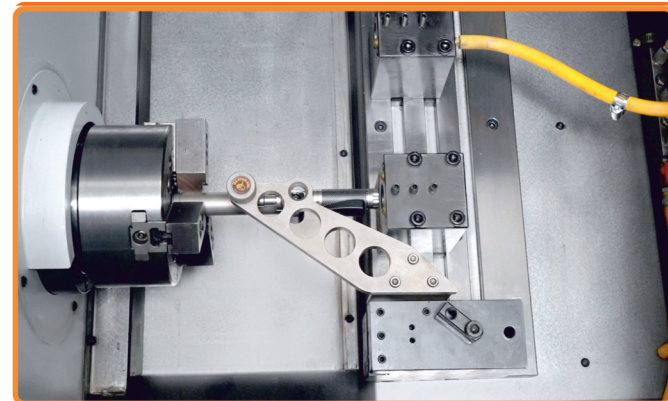


| SPECIFICATIONS                       | UNIT    | RTV - 500      |
|--------------------------------------|---------|----------------|
| Workbench Size                       | mm      | 500x400        |
| Maximum Load                         | mm      | 150kg          |
| Principal Axis Max Speed Of 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**

|   |   |   |  |   |
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