SALIENT SPECIFICATION PARAMETERS OF
SELECTED MACHINE TOOLS

PETLER Heavy Duty Lathe by Perfect Machine Tools Co. Pvt. Ltd., Bombay

Main Specifications:

Capacity
Height of centre
Admit between centres
Length of bed
Swing over bed
Swing over cross slide
Swing in gap (max)
Length of gap in front of the Face plate
Width of bed

Headstock
No. of spindle speeds/range
No. of feeds
Diameter of hole through spindle

Spindle sleeve taper bore

Thread cutting

Leadscrew dia & pitch
No. of the threads range
- inch
- metric
Tailstock
Quill bore taper
Quill diameter
Quill travel

**Standard Accessories:**
Carrier plate
Face plate
Steady Rest
Follow Rest
Set of gears to cut metric and without
2 nos. dead centres
Centre adopter
Motor pulley
Electric motor

**Special Accessories:**
3-jaw chuck
Back plate for 3-jaw chuck
4-jaw chuck
Back plate for 4-jaw chuck
Coolant pump with tank and fittings
Taper turning attachment
Tool post grinder
KUN 250-01 CNC Universal Cylindrical Grinding Machine by SZIM, Hungary

Height of centres
Distance of centres
Workpiece
  Swing
  Max. diameter to be ground
  Max. weight to be clamped
Grinding wheel
  Dimensions
  Speeds
  Circumferential speed
  Power required
Workspindle
  Speed limits
  Power required
Wheelhead (X axis)
  Complete displacement
  Speed limits of feed
  Resolution
  Rapid traverse
Traversing Table (Z axis)
  Complete displacement
  Speed limits of feed
  Rapid traverse
  Swivelling range of upper table
  Resolution
Internal grinding spindle
  Speed range
  Power required
Machine
  Dimensions width x Depth x Height
  Weight including normal accessories
  Space required

**Standard Accessories:**
- 2-wheel clamping hubs with balancing weights
- Electric equipment
- CNC control equipment
- Hydraulically actuated tailstock with flexible hoses
- Electrically actuated tailstock
- Diamond tool-holders mounted on the tailstock
- Live centre Morse 5-60°
- Dead Centre Morse 5-60°
- Water deflecting plate
- Wheel clamping hub with grinding wheel
- Grinding wheel lift lever
- Guards for the drive dog
- Service tool set

**Special Accessories:**
- Wheel balancing equipment built into the grinding spindle
- Connecting of the active measuring device
- Contact indicating device
- Device compensating the error of gliding seats
- Program storing on magnetic tape, program input
Program writing on punched tapes
Program input from punched tapes

RK Milling Machine by Jayems Engineering Co., Bombay

Main Specifications:

Table

Overall size
Working surface
T slots
Swivelling of table

Range

Longitudinal traverse
Cross traverse
Vertical traverse
C/L of spindle to top of table

Spindle

Spindle bore taper
Speeds
Range of speeds
C/L of spindle to underside of overarm

Feeds

Feeds
Longitudinal & cross vertical
Vertical

Rapid Traverse

Longitudinal & cross
Vertical
Drive

Spindle motor
Rapid traverse motor
Coolant pump motor

Gross weight

Standard Accessories:

Electric motor with panel control box
Milling arbor 25 or 27
Coolant pump with pipe fittings
Oil can
Set of spanners and wrenches

Special Accessories:

Universal dividing head with change gears
Vertical attachment
Rack cutting attachment
Slotting attachment
Arbor as desired
Spindle taper sleeve
Machine lamp with voltage transformer
Rotary indexing table
Collets and adaptors