Our state-of-the-art R & D Division includes departments for design, prototype development, applications, electrical and electronics. Our CAD division uses 3D/Pro-E software, enabling our design engineers to do Finite Element Analysis and Dynamic Simulation through all phases of the design process, ensuring maximum accuracy, flexibility and rigidity of all machines. The company maintains close collaboration with the government, private sector, academic and research institutions on technology transfers and manpower exchange agreements. This has greatly helped the company in maintaining its technological lead in the areas of research and development.

All precision machining jobs are done in-house with dedicated, top-notch CNC manufacturing machines. All structural assembly work including electrical and controls are done by a team of highly trained and experienced assembly engineers.

Customer satisfaction is always Priority One at the company. Our service engineers, technical and sales staff travel around the world to give assistance to our distributors and end-users. Customer service is also extended by a network of dealers spread in over 80 countries.

The company was established in 1972 as a machine exporting firm. In 1978, it evolved into Falcon Machine Tools Co. Ltd., a manufacturing company specialized in producing high precision surface grinders. The company now offers wide range of metal cutting machines, from conventional machines to highly sophisticated CNC machines for the semi-conductor, aerospace, medical, automotive, transportation, telecommunications industries... etc.
# Grinding Machines

## Double Column Grinding Machine
- Moving Beam Type
- SMART Control
- Fixed Beam Type
- SMART Control

## Production CNC Grinder
- Column Travel
- Double Column Travel
- Siemens or SMART Control
- High Precision
- High Spindle Speed

## Vertical Grinder
- Creep Feed function
- Dual Spindle
- Siemens Linear Motor & SMART Control or FANUC
- Linear Motor & 18MB Control
- X Axis with 2.5G Acceleration
- Max. Table Speed: 100m/min

## Linear Motor Drive Grinder
- Hydro-Static System is Available on 3 Axes and Spindle
- Least Feeding Amount is 0.0001mm
- Surface Roughness is 0.02µm

## Nano Precision Hydro-Static CNC Grinder
- Siemens Linear Motor or SMART Control
- Linear Motor & 18MB Control
- X Axis with 2.5G Acceleration
- Max. Table Speed: 100m/min

## Surface and Profile CNC Grinder
- 2 Axis CNC
- Column Sliding
- Two Axes Simultaneous
- FANUC CNC Control
- 2 Axis CNC
- PC-Based Conversational SMART Control

## Grinding Machines

### Double Column Grinding Machine
- Moving Beam Type
- SMART Control
- Fixed Beam Type
- SMART Control

### Production CNC Grinder
- Column Travel
- Double Column Travel
- Siemens or SMART Control
- High Precision
- High Spindle Speed

### Vertical Grinder
- Creep Feed function
- Dual Spindle
- Siemens Linear Motor & SMART Control or FANUC
- Linear Motor & 18MB Control
- X Axis with 2.5G Acceleration
- Max. Table Speed: 100m/min

### Linear Motor Drive Grinder
- Hydro-Static System is Available on 3 Axes and Spindle
- Least Feeding Amount is 0.0001mm
- Surface Roughness is 0.02µm

### Nano Precision Hydro-Static CNC Grinder
- Siemens Linear Motor or SMART Control
- Linear Motor & 18MB Control
- X Axis with 2.5G Acceleration
- Max. Table Speed: 100m/min

## Surface and Profile CNC Grinder
- 2 Axis CNC
- Column Sliding
- Two Axes Simultaneous
- FANUC CNC Control
- 2 Axis CNC
- PC-Based Conversational SMART Control
**Chip Cutting Machines**

**Milling Machines**
- Double Column VMC
  - X Axis Linear Ways
  - Y/Z Axes Box Ways
- Vertical Machining Centers
  - Y/Z Axes Box Ways
  - Z Axis Box Way
  - Bed Type (FBB)
  - Rotary Table Included
  - W Axis Included

**Horizontal Boring Machines**
- X/Y Axes Linear Ways
- Bed Type (FBB)
- Rotary Table Included
- W Axis Included

**Machining Centers**
- X/Y Axes Linear Ways & Z Axis Box Way
- Servo Milling Head
- FANUC/Siemens Control

**Column Travel Type**
- FANUC Control
- Turntable

**Chip Cutting Machines**

**Turning Machines**
- Horizontal Turning Machines
  - Heavy Duty
  - Flat Bed Lathe
  - Box Way
  - Y Axis
  - Sub Spindle
  - Spindle Hole Diameter 196/260/320mm

**FOCUSECNC Machines**

**Vertical Turning Lathes**
- Multi-Function CNC Lathes
  - FAGOR, FANUC, Siemens Control

**FOCUSECNC Machines**

**Multi-Tasking Lathe**
- Heavy Duty Lathe
  - Spindle Hole Diameter 196/260/320mm