

FALCON Group

FALCON MACHINE TOOLS CO., LTD (ChangHua, Taiwan)



FALCON MACHINE TOOLS CO., LTD. (Shanghai, China)



CHEVALIER MACHINERY INC. (California, U.S.A)



FOCUS CNC CO., LTD. - Lathe Factory (TaiChung, Taiwan)



HWANG KANG MACHINERY CO., LTD.
Sheet Metal Factory (ChangHua, Taiwan)



FALCON MACHINE TOOLS
CO., LTD. (TaiChung, Taiwan)



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RESEARCH & DEVELOPMENT

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.

MANUFACTURING FACILITY

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.

QUALITY CONTROL

We follow the most stringent quality control process from casting to final assembly. Inspection stations are manned by the engineers who designed the machines to ensure that all aspects of the manufacturing process meet the designers' prescribed requirements.

SALES & SERVICE

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.

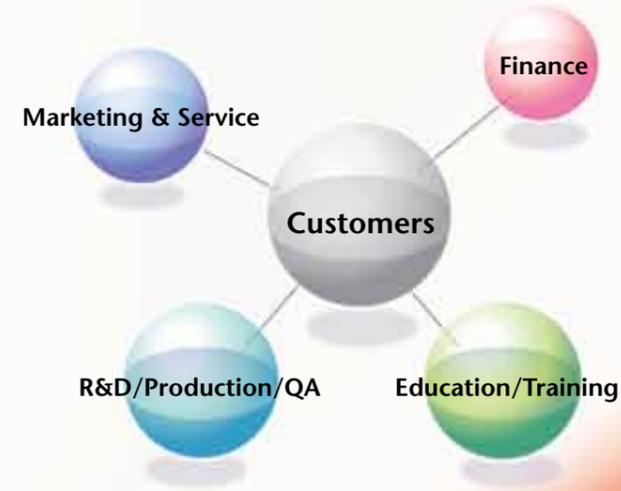


The company was established in 1972 as a machine exporting firm. In 1978, it evolved into Falcon Machine Tools Co. Ltd., a manufacturing company specialized in producing high precision surface grinders.

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.



Structural analysis Finite elements analysis Computer-aided design (CAD) in R&D department STUDER precision cylindrical grinder Five-face gantry type machining center doing casting work. QP series assembly line



International trade shows



After-sales service fleet



Customer training program



3D measuring system



Laser calibration



Precision spindle inspection

Global Sales and Service :



China Sales and Service :



Grinding Machines

Double Column Grinding Machine		Production CNC Grinder		Vertical Grinder	Linear Motor Drive Grinder	Nano Precision Hydro-Static CNC Grinder	Surface and Profile CNC Grinder	
<ul style="list-style-type: none"> • Moving Beam Type • SMART Control 	<ul style="list-style-type: none"> • Fixed Beam Type • SMART Control 	<ul style="list-style-type: none"> • Column Travel • Creep Feed function 	<ul style="list-style-type: none"> • Double Column Travel • Dual Spindle 	<ul style="list-style-type: none"> • Siemens or SMART Control • High Precision • High Spindle Speed 	<ul style="list-style-type: none"> • Siemens Linear Motor & SMART Control or FANUC Linear Motor & 18iMB Control • X Axis with 2.5G Acceleration • Max. Table Speed: 100m/min 	<ul style="list-style-type: none"> • Hydro-Static System is Available on 3 Axes and Spindle • Least Feeding Amount is 0.0001mm • Surface Roughness is 0.02µm 	2 Axis CNC <ul style="list-style-type: none"> • Column Sliding • Two Axes Simultaneous • FANUC CNC Control 	2 Axis CNC <ul style="list-style-type: none"> • PC-Based Conversational SMART Control
								
FPG-60120DC•60160DC FPG-60200DC•100160DC FPG-100240DC•100400DC FPG-100480DC•120276DC (Available in Other Sizes)	FSG-4060DC•4080DC FSG-40120DC•5080DC FSG-50120DC•50160DC FSG-6060DC•6080DC FSG-60120DC (Available in Other Sizes)	FMG-1632CNC Series	FPG-V1632DC	FVG-1616•4040 (Available in Other Sizes)	FGP-608LM	HYDRO-H1224 (Also Available in Other Models)	FSG-H818CNC•H2440CNC FSG-H2460CNC•H2480CNC	SMART-H818II•H1224II SMART-H1640II•H2440II SMART-H2460II•H2480II

Grinding Machines

Surface and Profile CNC Grinder		Vertical Grinding Center	Fully Automatic Grinding Machine		Semi-Automatic Grinder		Manual Grinder			
3 Axis CNC Series		3 Axis CNC Series	VGC Series	Standard Type	Auto Dressing & Compensation	ADII (3-Axis) Series	TS Series	2A (2-Axis) Series	M Series	SP Series
<ul style="list-style-type: none"> • Column Sliding • Capable of Creep Feed • FANUC CNC Control 	<ul style="list-style-type: none"> • PC-Based Conversation (SMART Control) 	<ul style="list-style-type: none"> • FANUC Control • Automatic Wheel Change 	<ul style="list-style-type: none"> • Double " V " Turcite-B Saddle Ways 	<ul style="list-style-type: none"> • Elevation is Driven by Servo Motor • 3 Axes Needle Roller Ways 	<ul style="list-style-type: none"> • Elevation is Driven by Servo Motor • Double " V "+Turcite-B Cross Ways • Column Sliding 	<ul style="list-style-type: none"> • With Touch Screen Control • Y Axis with Min. Input 0.1µm 	<ul style="list-style-type: none"> • X axis driven by Hydraulic System • Z axis with Double " V " Ways and Electric Motor 	<ul style="list-style-type: none"> • Ball Table Ways • Double " V "+Turcite-B on Z axis 	<ul style="list-style-type: none"> • Double " V "+Turcite-B on Z axis 	
										
FSG-B818CNC•C1224CNC FSG-B2440CNC•B2460CNC FSG-B2480CNC	SMART-B818II•B1224II SMART-B1640II•B2440II SMART-B2460II	FVGC-II	FSG-3A818•3A1224	FSG-1224ADII•1632ADII FSG-1640ADII	FSG-2040ADII•2060ADII FSG-2440ADII•2460ADII FSG-2480ADII	FSG-1224TS•1632TS FSG-1640TS•2040TS FSG-2060TS•2440TS FSG-2460TS•2480TS	FSG-2A618•2A818•2A1224	FSG-618M	612SP•618SP•818SP	

Chip Cutting Machines

Milling Machines

Double Column VMC

- X Axis Linear Ways
- Y/Z Axes Box Ways

- X/Y Axes Linear Ways
- Z Axis Box Way

Double Column Five Face VMC

- X/Y Axes Linear Ways & Z axis Box Way
- Available with 2 Axes Servo Milling Head
- FANUC/Siemens Control

Horizontal Boring Machines

- Bed Type (FBB)
- Rotary Table Included
- W Axis Included

Machining Centers

- **Vertical Machining Centers**
- FANUC, Siemens, Heidenhain Control
- Linear Way and Box Way

Column Travel Type

- FANUC Control
- Turntable



FVM-80125DC•80160DC
FVM-104125DC•104160DC
FVM-104200DC•104240DC
FVM-130200DC•130240DC



FVM-3016DCL•4016DCL
FVM-3020DCL•3026DCL
FVM-4020DCL•4026DCL•4034DCL
FVM-5020DCL•5026DCL•5034DCL
FVM-6026DCL•6034DCL



FVM-4028VF•5028VF
FVM-6028VF•4032VF
FVM-5032VF•6032VF



FBB-2020RQ



QP2855 (#50)
QP3560•3572 (#50)
QP4088 (#50)



QP2026•33•40-L (#40)
QP2033•40 (#40)
QP2443 (#40, #50)
QP2440-L (#40)
QP2560-L (#40, #50)



QP1620-L (#30, #40)



FTC-1320V (#30)

Chip Cutting Machines

Turning Machines

Vertical Turning Lathes

- Heavy Duty

Multi-Function CNC Lathes

- Flat Bed Lathe
- Best Combination of Manual, Teaching & CNC Operation
- FAGOR, FANUC, Siemens Control

FOCUSCNC Machines

Horizontal Turning Machines

- Slant Bed Lathe
- Linear Guide Way
- FANUC, Siemens Control
- Slant Bed Lathe
- Box Way
- FANUC, Siemens Control
- Multi-Tasking Lathe
- Y Axis
- Sub Spindle
- Heavy Duty Lathe
- Spindle Hole Diameter 196/260/320mm



FVL-1250VT•1600VT
FVL-1250VTC•1250VTC+C
FVL-1600VTC•1600VTC+C•1600VTC+CY
FVL-2000VTC•2000VTC+C
FVL-24•20•12•8 Series



FCL-1840•60•80/2140•60•80/2540•60•80
FCL-2660•80•120/3280•120•160/4080•120•160



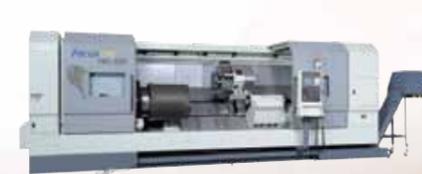
FCL-120
FCL-140
FCL-200/HT
FCL-300/P



FBL-120
FBL-200/L
FBL-300•360
FBL-300W•360W



FCL-200MC•300MC
FBL-300MC
FNL-250Y/SY•320Y/SY



FBL-520/MC
FBL-530/MC
FBL-540/MC