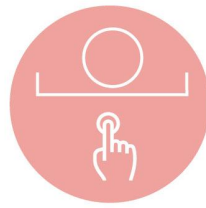




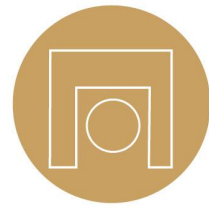
Manual Surface Grinder



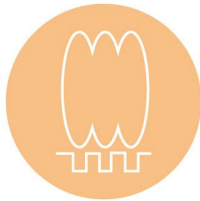
Semi-Automatic Surface Grinder



Fully Auto Surface Grinder



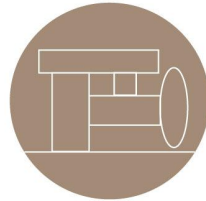
Double Column series



CNC Surface & Profile Grinder



Rotary Table Series



Cantilever Type Surface Grinder



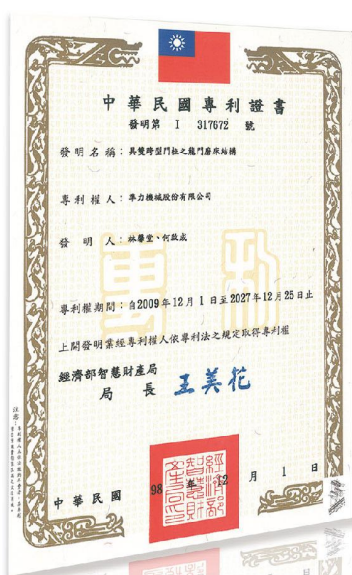
High Precision 5axes Milling & Grinding Center



COMPANY PROFILE

We will work hard towards more automatic & precise products, to pursue higher quality and high value-added products.

Joen Li Machinery Co., Ltd. was established in 1988, specializing in the production of various types of high precision grinding machine, worldwide product marketing. We will provide customers in different industries much better & more competitive products by our professional & innovative R & D.



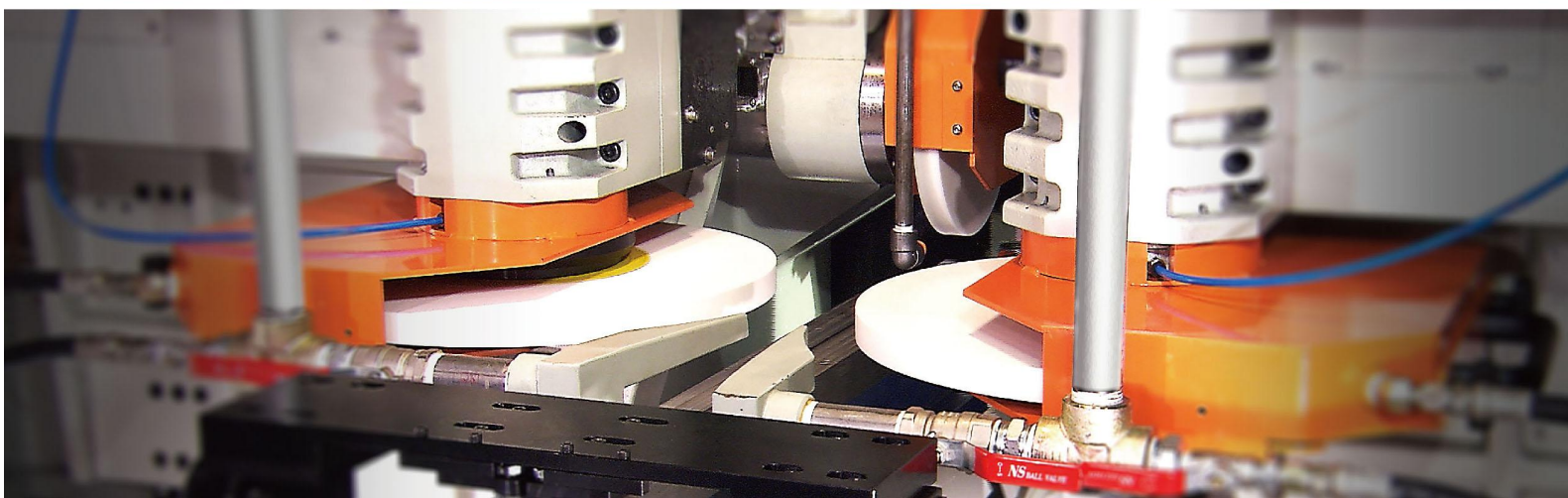
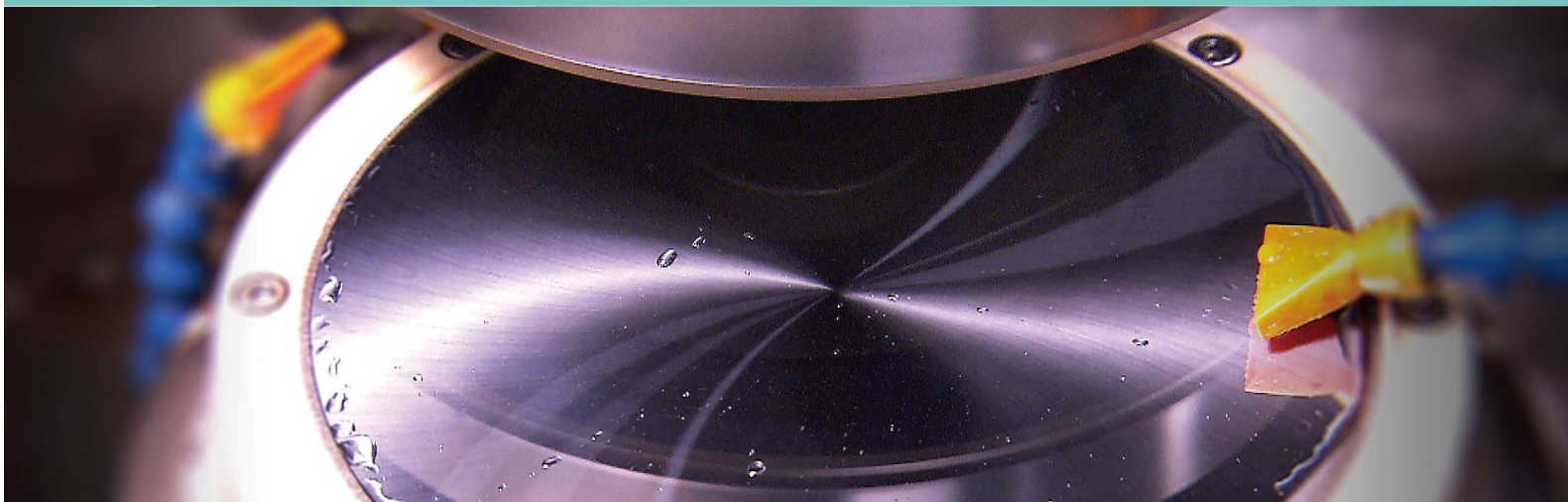
CREATIVITY

Continuous creation and invention, keep on researching and developing advanced technology, services and excellent quality to become leader in the grinding industry.

FEATURE OF PRODUCT

- 1. Structural Optimization** - The main castings are made of fine grain grey iron, providing the outstanding strength, best rigidity of the structural design and making a stable accuracy.
- 2. Accuracy Stabilization** - The guide ways are coated with Turcite B antifriction material. The hand scrapped and precision fitted enhance the durability of the machine, provide the utmost in flatness, parallelism an ensure the accuracy of the slides.
- 3. Automatic Lubrication System** - All Joen Lih Precision Surface Grinders provide, as standard equipment, and electrically driven automatic lubrication system that delivers pressurized lubricating oil to all table; saddle; and spindle slideways to maintain the precise accuracy of these performance grinders.
- 4. Control Digitization** -Different CNC control systems have an extremely wide range of field application and was designed for 2 to simultaneously controlled axes. The top-quality software developed by Joen Lih is very user friendly. Ball screw and linear guide way are used, and AC servo motor which drives the ball screw directly and intelligent software servo can realize High speed consistent machining with high frequency response
- 5. Easy Operation** -Except the saddle series, the manual pulse wave electronic handwheel(MPG) is used on vertical axis to replace the traditional mechanical hand wheel and with AC servo motor drive to provide higher control accuracy and ease of operation.
- 6. Rigorous Quality Control** -Each machine is subject to rigorous quality control from the casting to the final assembly process to ensure an accurate machining result and processing performance.
- 7. Systematic Management** -To practice 5S management strategy, well control materials, through the ISO9001 certification, which will help to provide customers with comprehensive and fast after-sales service.
- 8. R & D Innovation** -To design and develop different kinds of products to meet current and future grinding requirements, and exceed customer expectations for quality and investment.

JOEN LIH . PRECISION GRINDING FORCE . Extreme precision requiremants





High Precision Manual Surface Grinder
Semi-auto Precision Surface Grinder
Automatic Precision Surface Grinder

Saddle Type



High Precision Manual Surface Grinder

JL-614/618/818 SERIES
JL-614M/618M/818M SERIES
JL-618SB/818SB SERIES

- Z axls is with double V+Turcite-B
- Cross feed & Vertical are with micro feed (option/M series)
- SB Series: Longitudinal is with ball way



Semi-auto Precision Surface Grinder

JL-618SA/818SA/2A618/
2A818/3A618/3A818/
JL-3060AHR/4080AHR

- X axis is driven by hydraulic system
- Z axls is with double V+Turcite-B +motor
- 3060 & 4080 series: cross feed is driven by ball screw

**Automatic Precision Surface Grinder
JL-618/818/3060/4080ATD SERIES**



- ATD (Three axes fully automatic)
- Touch screen (option)
- X axis is driven by hydraulic system, max. table speed 25m/min
- Vertical is driven by stepping motor (servo motor/option)

**Automatic Precision Surface Grinder
JL-2550/63/4080ATDII**



- ATDII (Three axes fully automatic)
- X axis is driven by hydraulic system, max. table speed 25m/min
- X axis is with "V & V+Turcite-B)
- Vertical is driven by servo motor



Semi-auto Precision Surface Grinder
Automatic Precision Surface Grinder

Column type



Automatic Precision Surface Grinder JL-5010ATD~ 7020ATD

- ATD (Three axes fully automatic)
- Column type
- Z axis is with "V & V +Turcite-B + motor
- X axis is driven by hydraulic system, max. table speed 25m/min
- Vertical is driven by servo motor

Automatic Precision Surface Grinder JL-5010ATDII ~ JL-60400ATDII

- Column type
- ATDII (Three axes fully automatic)
- Touch screen (option)
- Z axis is with "V & V +Turcite-B + motor
- X axis is driven by hydraulic system, max. table speed 25m/min
- X axis is with "V & V+Turcite-B)
- Vertical is driven by servo motor
- Back water sheet
- Auto dressing and auto compensation(option)
- Hydraulic oil chiller (option)
- Fully closed splash guard (option)
- Touch probe (option)





SURFACE & CNC PROFILE GRINDER

Saddle Type
Column Type

Surface & CNC Profile Grinder JL-2550/63/4080CNC-H

- Two axes CNC
- Saddle Type
- Longitudinal is driven by hydraulic system
- Fanuc/Siemens/Syntec controller
- Fully closed splash guard (option)

Surface & CNC Profile Grinder JL-2550/63/4080CNC-B

- Three axes CNC
- Saddle Type
- Longitudinal is driven by servo motor
- Fanuc/Siemens/Syntec controller
- Auto dressing + auto compensation
- Fully closed splash guard



Surface & CNC Profile Grinder JL-4080CNC-341

- Three axes CNC
- Saddle Type
- Creep feed grinding machine
- Fanuc/Siemens controller
- Working table: 400*800mm
- Width of grinding wheel: 150mm



Surface & CNC Profile Grinder JL-5010CNC-H ~ JL-60400CNC-H

- Two axes CNC
- Column Type
- Longitudinal is driven by hydraulic system
- Fanuc/Siemens/Syntec controller
- Fully closed splash guard (option)

Surface & CNC Profile Grinder JL-5010CNC-B ~ JL-60400CNC-B

- Three axes CNC
- Column Type
- Longitudinal is driven by servo motor
- Fanuc/Siemens/Syntec controller
- Auto dressing + auto compensation
- Fully closed splash guard





CANTILEVER TYPE SURFACE GRINDER DOUBLE COLUMN SURFACE GRINDER

Cantilever Type Surface Grinder JL-80150ATD ~ JL-100300ATD

- Cantilever type
- Longitudinal is driven by proportional hydraulic
- Vertical is driven by servo motor +MPG



Double Column Surface Grinder JL-120150CNC-H~JL-160600CNC-H

- Double Column type
- Other different model are also provided
- Cross feed and vertical are driven by servo motors +MPG
- Vertical spindle (option)





CNC PROFILE GRINDER FOR GRINDING CARRIAGE BLOCK / LINEAR GUIDE WAY



CNC Profile Grinder For Grinding Block JL-3080CNC

- Three axes CNC
- Column Type
- With Siemens/Fanuc/Syntec control
- High Speed Spindle
- With Diamond Roller Dressing device

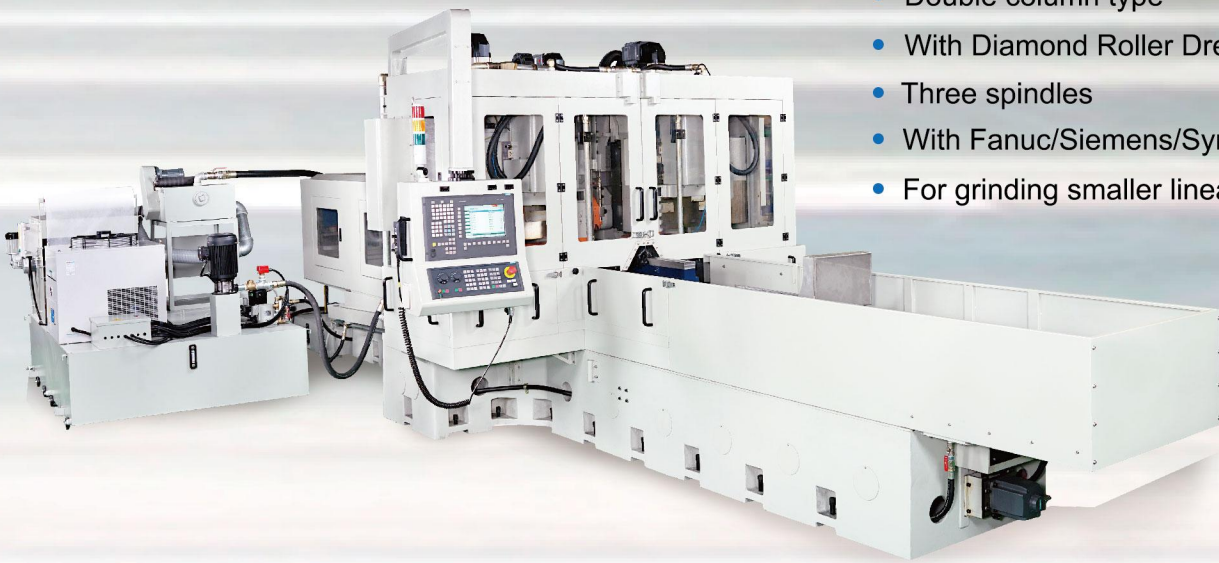
CNC Profile Grinder For Grinding Linear Guide Way JL-3140CNC/50400CNC

- Double column type
- Three spindles
- With Fanuc/Siemens/Syntec control
- With Diamond Roller Dressing device
- For grinding bigger linear guide way



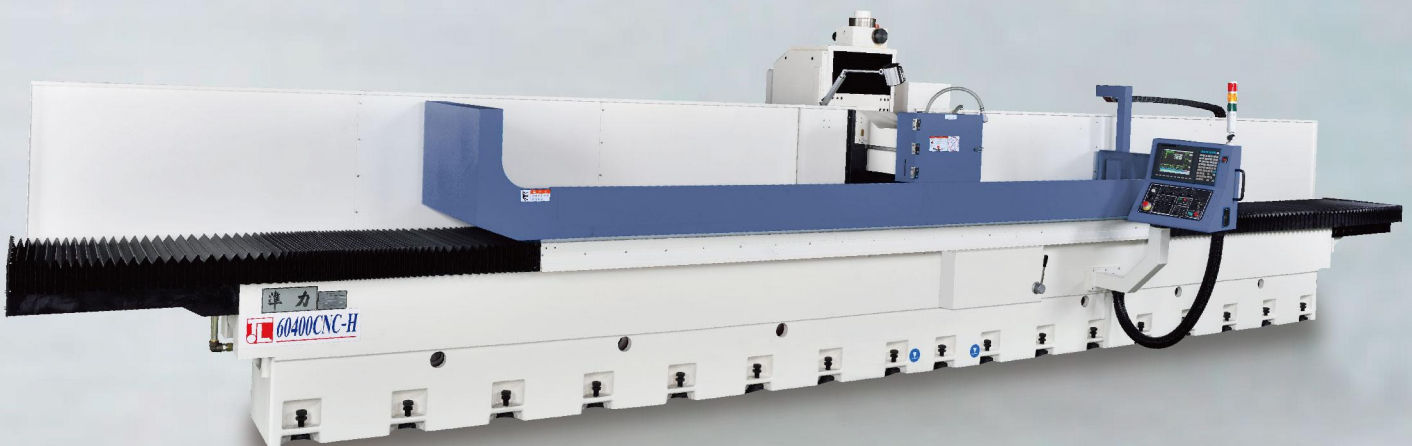
CNC Profile Grinder For Grinding Linear Guide Way JL-20200CNC/20400CNC/30200CNC

- Double column type
- With Diamond Roller Dressing device
- Three spindles
- With Fanuc/Siemens/Syntec control
- For grinding smaller linear guide way



High Precision CNC Surface Grinding Machine JL-60400CNC-H

- Column Type
- Auto dressing and auto compensation
- Two axes CNC
- With Siemens/Fanuc/Syntec control
- X axis is driven by hydraulic system





SAW BLADE GRINDING MACHINE HIGH PRECISION WAFER SURFACE GRINDING MACHINE ROTARY SURFACE GRINDER



Saw Blade Grinding Machine JL-818NC

- Saddle Type
- With indexing system
- Vertical and indexing system are driven by servo motor
- Interface for easy operating
- Working Table: 200*465mm

High Precision Wafer Surface Grinding Machine JL-200SCG/300SCG

- Diameter of working table: 200 & 300mm
- With air floating spindle
- With air floating table
- For grinding various non-ferrous metal, such as Wafer, ceramics, quartz, glass and sapphire



Rotary Surface Grinder JL-1000HR

- Nano Precision Hydrostatic CNC Grinder
- Diameter of working table: 1000mm
- With Syntec control
- Other specifications are available



NANO PRECISION HYDROSTATIC CNC GRINDER 5 AXES MILLING & GRINDING MACHINE



Nano Precision Hydrostatic CNC Grinder JL-84HCNC

- Hydrostatic system can be used with three-axis drive mechanism and spindle design
- Feed accuracy reaches $0.1\mu\text{m}$
- Surface roughness reaches $\text{Ra}0.02\mu\text{m}$

5 Axes Milling & Grinding Machine JL-20205X

- With Indexing Table
- Swing spindle
- ATC
- Five axes milling and grinding





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