

A Symbol of Sincerity, Professionalism,
Accountability and Shared Prosperity.

Injection Molding System / Robot System / Metal System / Food and Medical System / Blow Molding System /
Inspection System / Energy Device System / Intelligent Manufacturing System / Intelligent Decision System /
Intelligent Logistics System / After Service



MORGLORY INTERNATIONAL CO., LTD.

TAICHUNG | 40757 18F.-8, No.386, Shizheng Rd., Xitun Dist., Taichung City 407, Taiwan

TAOYUAN | 33393 6F., No. 580, Sec. 1, Minsheng N. Rd., Guishan Dist., Taoyuan City

PENANG | No.43-2, Jalan Todak 6, Seberang Perai Tengah, 13700 Penang, Malaysia

HANOI | 15 Floor Diamond Flower Tower No.48 Le Van Luong str., Thanh Xuan Dist.
Hanoi City 11415, Vietnam

INDIA | Office No- B-09 ,4th Floor, City Vista, Fountain Road, Kharadi, Pune ,
411014 , Maharashtra India

TAICHUNG **Tel** +886-4-22586003 **Fax** +886-4-22586002

TAOYUAN **Tel** +886-3-3122115 **Fax** +886-3-3122116

PENANG **Tel** +60-4-3842136 **Fax** +60-4-3842137

JAPAN **Tel** +81-905-5011981 **Fax** +81-426-443414

HANOI **Tel** +84-24-32020809 **Fax** +84-24-32020806

INDIA **Tel** +91-2041026809 **Fax** +91-2041026809



JIANG SU CENGLARY ENGINEERING&TRADING CO. , LTD.

JIANGSU | Tower C, Room 2308 Longqi Lijing, NO.757 Qianjin East Road,
Kunshan 215300 , Jiangsu Province China.

Tel +86-512-57379570 **Fax** +86-512-57379571

CHENGDU | Rm.1413-1414 , Zhujiang Intl Office Building, No .1588 , 3rd Section , Guanghua Avenue ,
Wenjiang District , Chengdu , Sichuan Chengdu City , 611130 , Sichuan P.R. China.

Tel +86-28-82202386 **Fax** +86-28-82202386

DONGGUAN CENGLARY TRADING CO., LTD.

Room 1806-1807, Building 8, Vanke plaza, No.1 Changqingnan road,
Changan town, Dongguan city , 523845 , Guangdong P.R. China.

Tel +86-769-85536003 **Fax** +86-769-85536977

TIANJIN CENGLARY TRADING CO., LTD.

No.1-915,1988, Yingbin Avenue, Tianjin Pilot Free Trade Zone (Central Business District),
Tianjin City, P.R.China.

Tel +86-22-66218571 **Fax** +86-22-66218572





FANUC ROBODRILL-Compact Machining Center

High-Performance of Machining:

- High-speed, high-accuracy, and high-power to achieve high production performance.
- Achieving high yield of work-piece by stable machining.

High operation rate:

- Achieving long operation life by high-reliability.
- Prevention of trouble by preventive maintenance function.
- Minimizing down time by high-maintainability.

High availability:

- Easy utilization of high function by excellent user-Interface.
- Easy operation of peripheral equipment by high-expandability.
- Realizing simple integration with FANUC Robot by automation support function.

Application:

- Widely applied to the industries of machinery, automobile parts, 3C precision parts, precision molds, etc., based on strong spindle and advanced CNC control system.



• Five-axis machining

FANUC ROBOTCUT-Wire Electrical-Discharge Machine

High Performance of Cutting:

- New mechanical structure, new discharge devices, and new discharge control to provide high speed, high precision, and high-quality cutting.
- Achieve thermal displacement compensation function to provide stable cutting and various functions to adjust shapes easily.
- High precision rotary table ROBOCUT CCR to expand the applications.

High operation rate:

- High reliable automatic wire feeding (AWF3) provides continuous unmanned machining
- Consumables management function and Maintenance guidance functions support daily maintenance.
- Feature RoboCUT-LINKi of production and quality information tool.

High availability:

- FANUC CNC and operation guidance function provide superior operations.
- Fulfilling EDM technologies support high speed, high precision, and high-quality cutting.
- Automatic functions support set-up operations.

Application:

- Widely applied to the industries of precision molds, medical, and Super-hard materials manufacturing, etc.



• α -C600iB X/Y/Z Axis Travel 600/400/310 m



• PCD tools • Stamping molds • Clock gears • Electrode for electric spark discharge

Nano Ultra-Precision Machine

High performance:

- 5-axis controlled machine. Hydrostatic oil bearing for stable ultra-precision machine.
- 0.1 nm command and control with FANUC & servo technology.

High operation rate:

- High reliability with FANUC standard CNC and servo technology.
- Mechanical unit using non-contact bearings for all axes and spindle.
- Simple and quick parts change in maintenance.

High availability:

- Smart M-Setup provides superior operability.
- On-machine measurement unit Smart M-Form.
- Conformity to safety standards (CE and KCs marking).

Application:

Widely applied to the optical field (LED lens core, lens array core, Fresnel lens core) and automobile field (molds of head up display and headlight, etc.), as well as having ultra-precision parts for the fields of watches and decorations (watch molds, watch parts, and molds of smart phone covers, etc.).



• α -NMia



• α -NTia

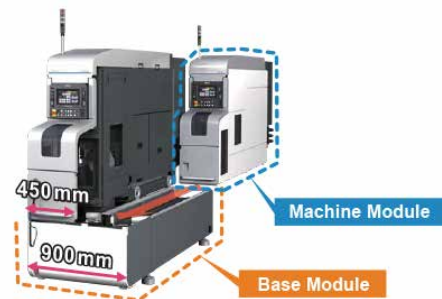
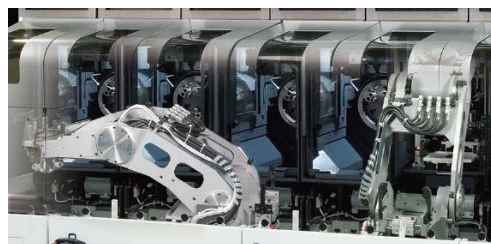


• Scribing machining (five axes) • Milling machining (five axes) • High-speed scribing machining



DLFn Modular Full-Automated Machining System

- Modular structure: One base is equipped with two sets of mechanical modules to facilitate flexible installation of different production lines at the base.
- Parts transmission by multi-axis automatic loaders to save time by loading/unloading within 9.6 seconds at most.
- Entire line length reduced by 50% and increase the productivity per unit area.
- Individual modules are capable of being pulled forward 700mm allowing ease of changeover and maintenance.
- The UNICORN controller (FUJI's original product) is characterized by uniform operability to achieve convenience of operation.
- Fully-automated continuous production to reduce manpower cost.



- Integral Fuji Robots allow fully automatic line configuration and save production cycles.

CSD



Features:

- The CSD with front facing dual spindle, dual turret CNC lathe is engineered for performance and with high output production.

Application:

- Widely applied to the industries of machinery, automobile parts (engine, transmission, steering system, power transmission system, and traverse system), etc. based on strong spindle and advanced CNC control system.
- Feature unique rigid saddles to ensure stable machining quality.

- Excellent thermal displacement performance and high-rigidity slide, which can be compatible with heavy cutting.
- The thermal distortion resistant and space-saving base is equipped with high-rigidity guideways, zero-core spindle head, and high-speed indexing turrets.
- Adopt high-speed three-axis gantry robot to reduce time waste during loading/unloading of parts and shorten machining cycles.
- The MAX-SP1 controller of high reliability, independently researched and developed by FUJI, is adopted for loader control to stably supply parts in high speed.

TORNOS

High-end Lathe from Switzerland

- A pioneer of sliding head lathe technology (Swiss-type automatic lathes) for more than 100 years, Tornos has unrivalled expertise.
- High-accuracy and high-quality product parts machining.
- Professional production lines, which can offer solutions to meet customers' demands for production in small volume production or mass production machining in either simple or highly complex parts.
- High-accuracy machining bed in a machining diameter range of 1-36mm; human friendly control interface with fast line change speed to maximize production effectiveness.
- Discover how MultiSwiss range of multi-spindle solutions is built for the best.

Applied Industries:

- Machining industries in aerospace, electronics, automobile and motorcycle, medical care, micro machining... etc.



- Swiss GT Series: The best recommended model for long and short turning parts production.



- MultiSwiss Series: Equipped with six or eight movement spindles to substantially shorten machining time.



- Swiss DT Series: Simple and user-friendly, significantly improving productivity.

Shibaura Machine
View the Future with You

Features of UVM Series:

- Reduction in the machining time: 60,000 min-1 spindle installed as standard.
- Decrease maintenance expenses: non-contact bearing spindle and linear motor.
- Enhancing tool life: achieving high rotational accuracy of the spindle.
- Reduction in man-hours for polishing: significant improvement of machined surface quality.
- Suitable for multiple machining methods: variety of selected accessories to achieve diversified machining.

Applied Industries:

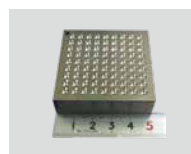
- Optical lens molds
- Mobile phone related parts molds
- Precision molds
- Precision parts machining
- Automotive lighting parts molds



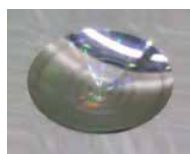
• UVM-450D



• UVM-700C



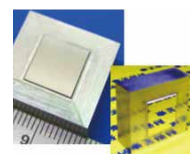
• LED lens array mold



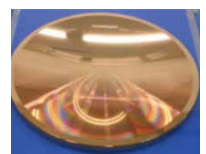
• LED lens mold



• Surface in free shape (3D)



• Surface in free shape (2.5D)



• Fresnel lens mold



TWISTER 5-Axis CNC Gantry-Style Machining Center Series

Italian Design, Research, Development, and Application

Advantages:

- An Italian R&D team specializing in the design and production of high-speed spindles, 5-axis machines, gantry systems, and moving column equipment, continuously dedicated to research and innovation to provide customers with various cost-effective and high-value machining tools.
- TWISTER is a new generation gantry-style 5-axis high-speed machining equipment.
- It features a high-performance built-in spindle paired with a swing-arm A/C axis rotary worktable.
- Designed with high rigidity structure and driven by high-precision servo motors.
- Suitable for complex machining on irregular curve.
- There are also fixed-column gantry-type 5-axis/5-face machining centers, high-speed horizontal/vertical machining centers, and high-speed mold machining centers available to meet various machining needs.



• Swing-arm A/C axis rotary worktable

• High vibration damping capacity of cast iron base.

• Machining examples



Ion-beam Finishing Machine

IBF-100 / IBF-200 / IBF-300 / IBF-450 / IBF-500

Advantages:

- Germany's NTG company is a professional manufacturer of ion beam polishing machines, with nearly 20 years of research and production experience in ion beam processing machines.
- The IBF equipment utilizes ion beams to perform nanoscale processing and correction on the surface of parts, surpassing the ultra-high surface shape accuracy that traditional polishing methods cannot achieve.
- It is a non-contact process that leaves no traces or stress on the surface.
- It can process complex surfaces and is suitable for a wide range of materials.
- The processing cost is much lower than magnetic rheology, and it offers higher efficiency without the need for unnecessary auxiliary materials and minimal consumables.



• NTG-IBF300



• NTG-IBF450



• NTG-IBF500



• NTG-IBF200



Metal Peripheral Equipment LEHMANN

Swiss Precision Enclosed Axis.

Product quality assurance, high precision technology, and innovative assembly of CNC rotary axes with standard modular systems to meet customer demands.

- It can be combined with various products to provide the best solutions for each industry.
- Compatible with all popular CNC controllers in the market.
- Compatible with over 40 equipment brands and 160 equipment models.
- Product sealing and air-tightness specifications surpass those of similar products in the market: IP67 (standard), IP68 (optional).

Application industries:

Aerospace, electronics, automotive, medical, measurement, micro-machining, parts manufacturing, machine tools, and other machining industries.



E Series:

- At maximum 210 min 1-0.21 second/90°.
- Several Z and X travels are available.
- Equipped with heavy spindle loads and robust bearings.
- Feed torque reaches 750 Nm.
- HSK spindle.
- Accuracy can reach 2µm/100mm.



T Series:

- Pneumatic chuck holder ± to 7000 Nm.
- Large workpieces up to Ø500.
- Backlash-free long-life geared PGD.



M Series:

- Wireless monitoring.
- No need to reconfigure parameters when changing the load.
- No cooling system and no hydraulic device.

ALBRECHT Precision Chucks

ALBRECHT Precision Chucks

Century-old German APC High-precision and High-clamping force Milling Chuck

Established in Stuttgart, Germany, Albrecht is the pioneer of high-clamping force cutter chucks. Persistent in a mission of maintaining accuracy of cutters, it uses barometers and tailor-made tools and jigs to inspect all parts and components during each production stage.

In terms of cutting speed, cutter service life, and safety, high-precision and high-clamping force milling chuck is currently the best performer in machining efficiency all over the world.

For improved chip evacuation, extended tool life, and enhanced machining reliability, ALBRECHT is the best choice.

Advantages:

• The world's only milling chuck with 1:16 worm gear.

• Highest rigidity body design.

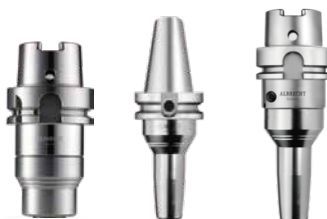
• The worm gear with 3 tons traction force and the collet with a slow-taper angle of 1.25° do guide the tool perfectly through trochoidal-, dry- and hard-machining operations up to 110° C.

• Ideal dampening.

• Quick drilling chuck holder.

• Holder can be customized.

• High-precision quality, high-clamping force, and excellent machinability to greatly improve machining efficiency.



• HSK • Slim5 HSK • SK



• MAS-BT • MICRO • POLYGON



CARBIDE TOOLS

With a professional design and development department, we provide customers with the best design services. Our advanced equipment and professional manufacturing techniques ensure the highest quality product solutions for our customers.

Advantages:

- ISO 9001:2000 certified.
- Three levels of quality control: on-site self-inspection, full inspection throughout the manufacturing process, and final inspection before shipment, ensuring traceability of the manufacturing process.
- Diverse product lines with the ability to customize tool production.
- Tool manufacturing and processing verification, providing optimized product solutions for customers.
- Integration of international advanced technology with independent design and development capabilities, ensuring technological leadership.

Application Industries:

- Aerospace, 3C electronics, automotive, parts processing, machine tool, and other machining industries.



FUJIMI Lapping Liquid and Polishing Slurry

Features:

- Over 60 years of history in the development and production of grinding and polishing fluids.
- Over 80% market share in the semiconductor industry.
- Ability to provide total solution packages for customers.

Popular products:

- CLEALITE: Generates a mirror polishing effect on various metals such as aluminum, stainless steel, and titanium.
- COMPOL: Specifically designed for polishing metals, ceramics, and electronic substrates such as lithium tantalate (LiTaO₃), lithium niobate (LiNbO₃), and sapphire.

Application industries:

- LED, metal, plastic, glass, optical lenses, sapphire, etc. Specializes in transforming the surface of any material into a mirror finish.

- POLIPLA: A composite polishing fluid developed specifically for plastic lenses.



• CLEALITE

• POLIPLA

• COMPOL



MINEBEA

Advantages:

- Automated control of cutting water jet equipment.
- Adjustable for removing chip accumulation at different angles and speeds.
- Increased yield, reduced processing errors, and tool damage.
- Easy operation with remote control, allowing for various spraying mode.

