



# KAIYI TECHNOLOGY CO., LTD.

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From concept to execution,  
total solutions at your service.



# About Kaiyi

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Founded in 2005, Kaiyi Technology Co., Ltd. is a trusted and high-quality technology brand dedicated to providing equipment development and component modification services for various manufacturing industries, including semiconductors, optoelectronics, renewable energy, and machinery manufacturing.

Our experienced and technically proficient R&D team is equipped with advanced facilities and precision instruments, enabling us to offer ODM, OEM, and customized modification services based on customer needs. We help our clients enhance product lifespan, improve production efficiency, and reduce operational costs, thereby creating greater value.

In recent years, Kaiyi Technology has actively embraced smart manufacturing technologies and optimized R&D resources, Successfully transformed into a technology company with system integration capabilities. With expertise in mechanical design, electrical control integration, and software development, we deliver highly flexible and customizable automation control system solutions tailored to the specific needs of different industries—helping clients boost productivity and competitiveness.

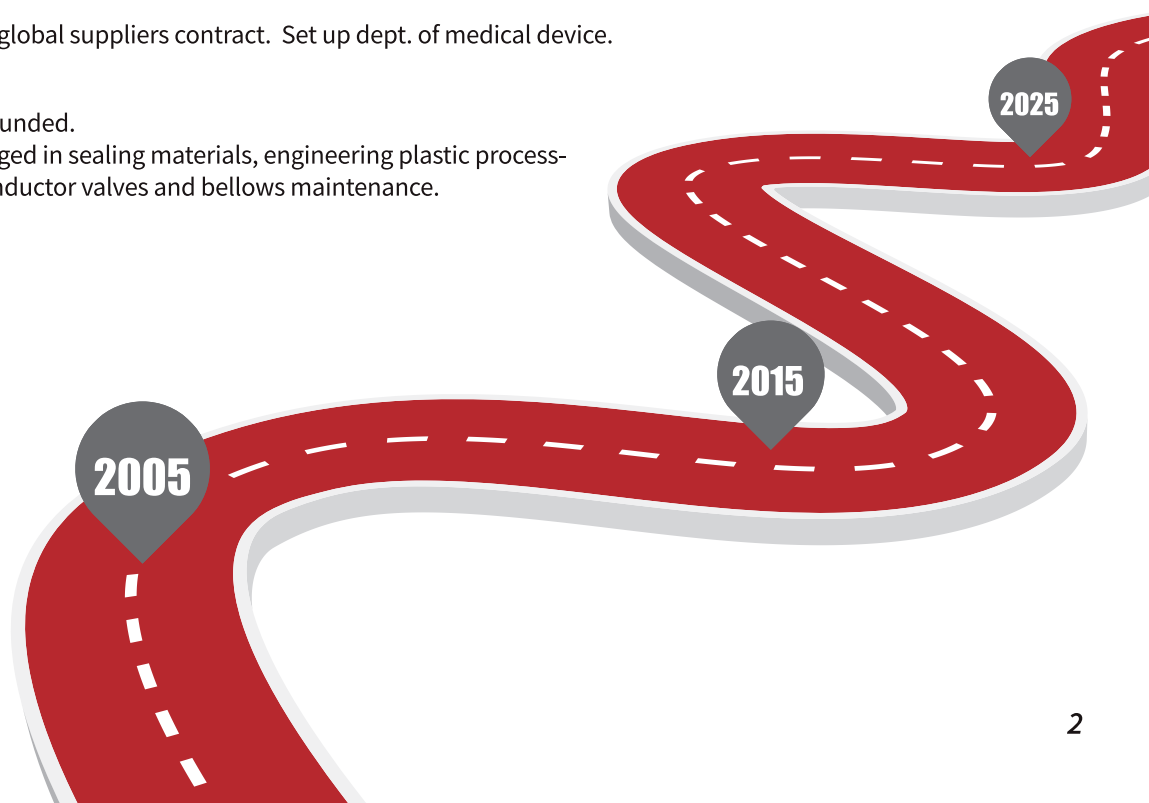
If you are looking for a high-quality, reliable, and innovative one-stop integrated service, we welcome you to contact us. Kaiyi Technology is committed to sustainable operation and will continue to provide you with the most professional products and services.



# Company History



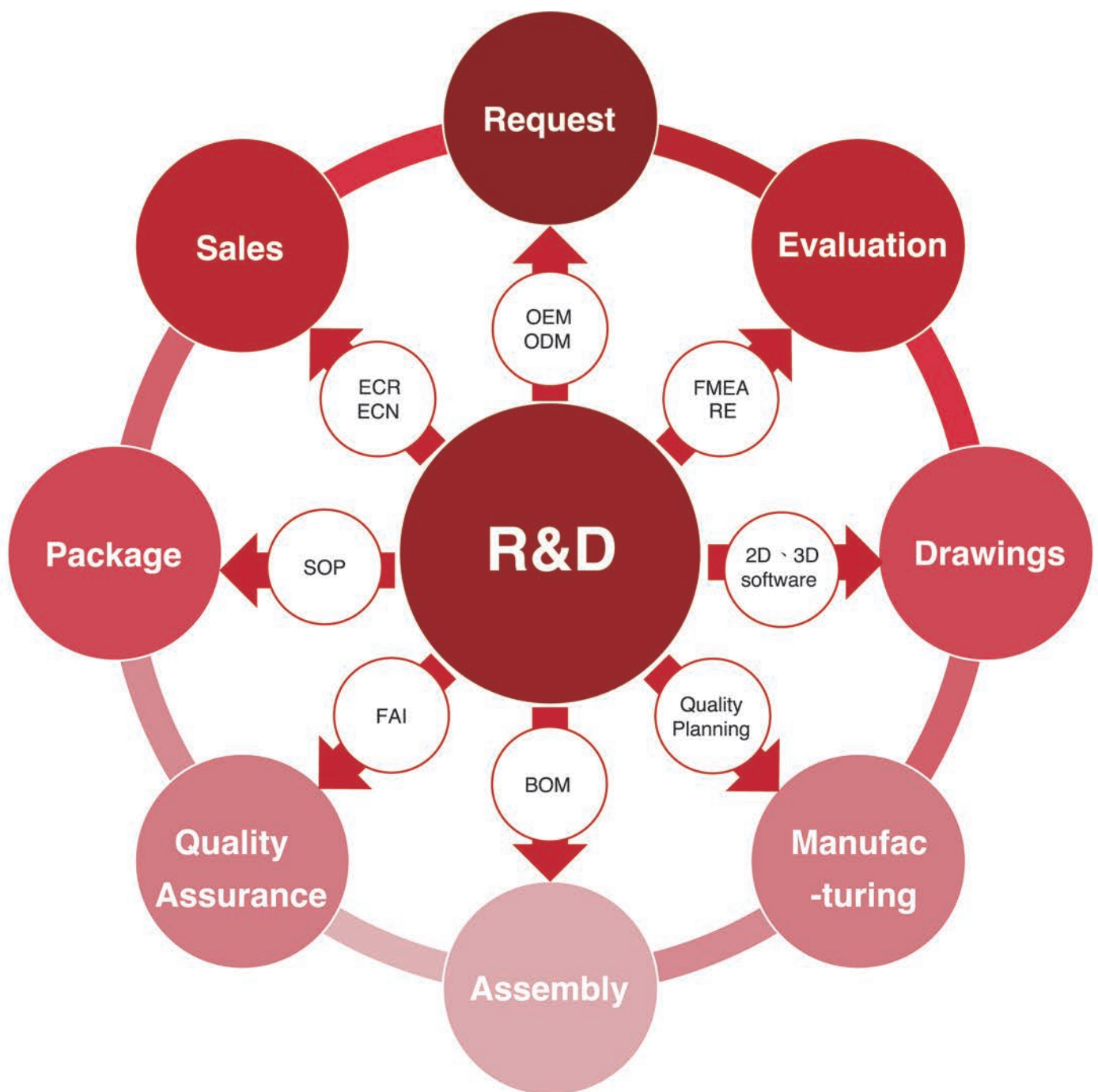
- 2025** Equipped with the DMG MORI DMU 50 (3rd generation) machine. developed a Multi-Axis Motion Demonstration with Vision-Based Control.
- 2023** The expansion of the R&D department. Preparations for the construction of a new plant in Luzhu, Taoyuan.
- 2021** Obtained certification as optoelectronic and semiconductor giants. (Supplier Technical Capability & Supplier Performance and Capability Assessment).
- 2020** Set up Moving Column Machining Center specializing in long parts. Added more Swiss Lathe.
- 2018** Added the third Swiss Lathe and super large customized CNC Router. Added laser calibration system to measure large parts.
- 2016** Built thermostatic room for manufacturing, clean room for inspecting and packing.
- 2015** Added 3D CMM( Coordinate Measuring Machine), customization optical linear scale...etc. device.
- 2013** Added Swiss Lathe for precision machining.
- 2012** Added factory in Luzhu, Taoyuan. Dept. of medical device was spin off as Bomei Co., Ltd and obtained certification of ISO 13485.
- 2010** Obtained ISO 9001
- 2008** Signed GSA global suppliers contract. Set up dept. of medical device.
- 2005** Company founded. Mainly engaged in sealing materials, engineering plastic processing, semiconductor valves and bellows maintenance.



# Service Process

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We are dedicated to delivering comprehensive, high-quality, reliable, and innovative one-stop services.





# Services Items



## Total Solution

- Customized Mechatronic Integration Design
- CVD chamber arcing improvement program
- Particle contamination in CVD chambers improvement program
- Process gas reduction program
- Lifetime of the parts improvement program
- Mura on the glass golf tee improvement program



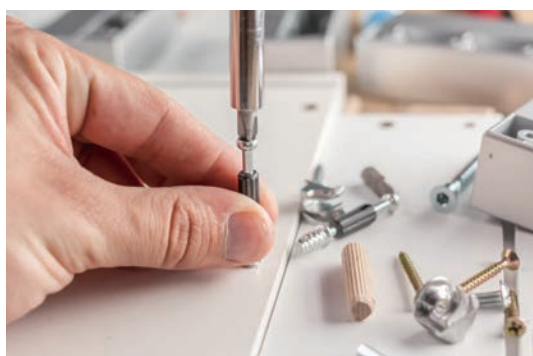
## Composite Material Bonding

- Specializing in the composite material bonding of engineering plastics and metal.



## Micro Dimension Machining

- Have own brand of medical orthodontic screws and experience in the production of high-precision screws.



## ODM / OEM

- We have professional equipments and R&D engineers capable of completing ODM/OEM projects in the fields of optoelectronics, semiconductors, and medical devices.

# Multi-Axis Motion Demonstration with Vision-Based Control

Specialized in mechatronics integration and smart manufacturing, combined with AOI image recognition and AI deep learning technology.



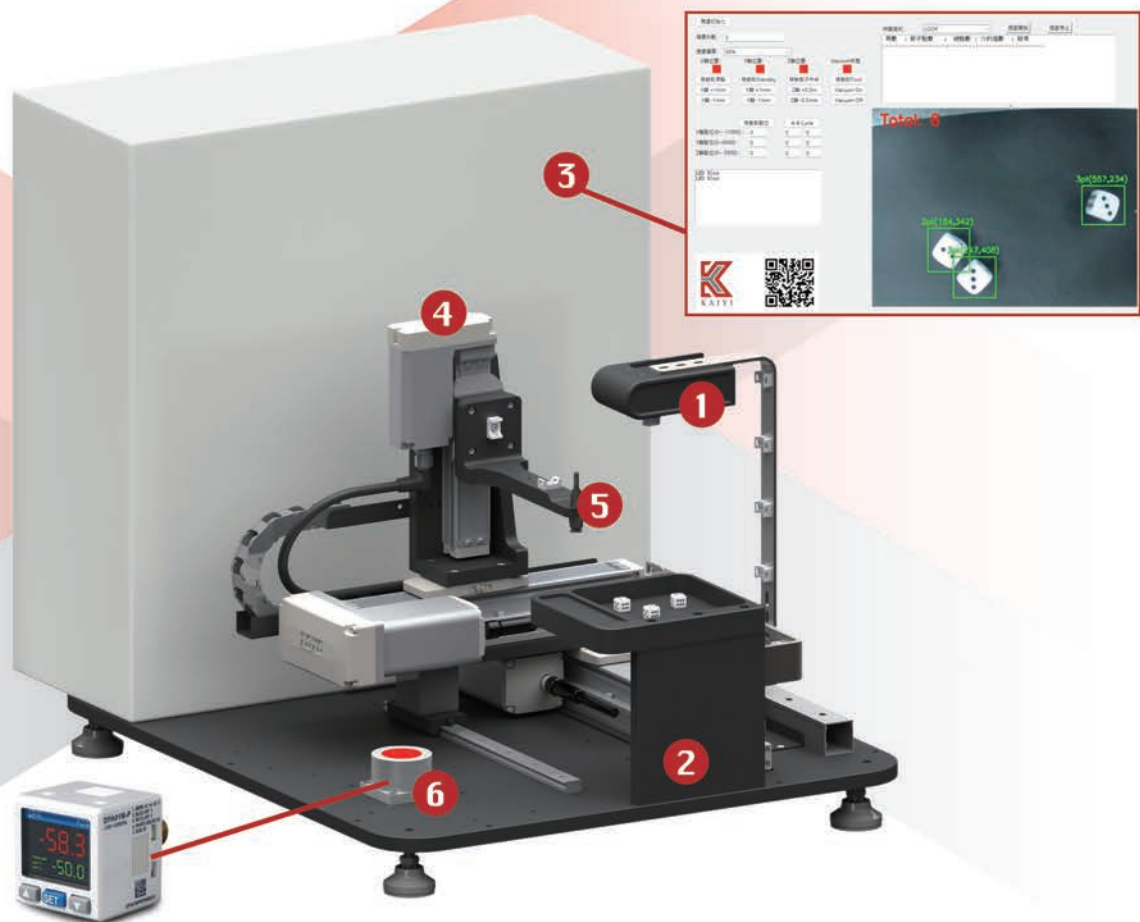
| Mechanical Design | Electrical Control Integration | Software Development |

# Multi-Axis Motion Demonstration with Vision-Based Control



Kaiyi has a professional R&D team dedicated to the fields of mechanical and automation control. We provide customized mechatronic integration design services tailored to clients' needs. With our own factory, we are capable of design, manufacturing, and processing, offering comprehensive services from concept to finished product.

At the same time, we possess the technical expertise to implement AOI image recognition and AI deep learning, enabling flexible development tailored to real-world application needs, including AI deployment on multi-axis motion demonstration with vision-based control.



- 1 AOI image recognition and AI visual positioning (laser, infrared, CCD, micrometer, etc.)
- 2 Customized Precision Parts Machining and Surface Finishing
- 3
  - Remote / local control
  - Both PC-based and PLC-based systems supported
- 4
  - Customized multi-axis motion
  - Program / I/O / visual positioning control (Compatible with various commercially available modules, such as electric screw actuators, linear motors, and pneumatic cylinders)
- 5 Electric or pneumatic grippers, cylinders, and vacuum pad cups can all be applied.
- 6 Monitoring, Sensing, and Indicator Light Applications

# Professional Equipment

Type	Name	Specification	R(+/-)	PDA(+/-)
Milling	DMG MORI 3rd Generation DMU 50	650x520x475mm	0.003	0.005
	3-axis CNC Milling Machine	1000x600x600mm	0.003	0.005
		1000x500x600mm	0.003	0.005
	Moving Column CNC Milling Machine	3500x500x600mm	0.01	0.02
		3000x3600mm	0.025	0.125
	CNC Router	3500x4000mm	0.025	0.15
		1200x2400mm	0.02	0.1
Lathe	CNC Swiss Lathe	Ø20mm/Ø12mm	0.003	0.005
Measuring	2.5D Non-contact Video Measuring System	200×100mm / 300×200mm 17.5x~112.5x		
	CNC CMM	1000x600x600mm		
	Laser Interferometer	±0.35ppm		
	X-Ray Fluorescence Analyzer	Niton™ XL2 XRF Element (Mg) to (U)		
	Ultrasonic Flaw Detector	Nondestructive testing		
	Zoller Smile 420	Zoller Smile 420		
Others	Laser Engraving Machine	100x100mm / 20W		
	Hot Straightener Machine	3x2.7M / 100T		
	Vibratory Finishing Machine	80L		
	Magnetic Deburring & Polishing Machine	1KG		
	3 Sinks Ultrasonic Cleaners	70L		
	Single Tank Ultrasonic Cleaning Machine	87.5L		
	3D Pinter	Resolution 16.8x24.8um		



# Post-process Service and Material



We can perform various processing treatments using Engineering Plastic or Metal materials according to customer requirements.

## Engineering Plastic

PEEK (GF30, CA30, HPV, ESD)  
PI  
Vespel®  
(SP1,SP21,SP211,SP22,SP202,SP3,SCP5000)  
Meldin®  
(7001, 7211, 7003, 7021, 7022, PBI)  
PTFE  
PAI - Torlon®  
PEI - Ultem®,  
PBI - Celazole®  
PPS - Techtron®  
PU/PA66/ABS/PVC/P-  
P/PE/POM/PETP/P-  
C/PMMA/ABS

## Metal

Mo Alloy  
Nickel Base Alloy  
Invar 36 Alloy  
Nickel 200,201,  
Hastelloy® (C-276/C-22),  
Haynes 242 Alloy  
Nitronic®60  
AL  
1XXX~7XXX  
Copper  
Stainless Steel  
(301, 303, 304, ,316, 420,  
440, 630)  
Titanium

### Coating:

- Aluminum Plating
- Electroless Nickel Plating

### Anodization:

- Aluminum Anodization
- Ti Colorization

Electrolytic Polishing

Heat Treatment

Blasting

Mirror / Vibration Polishing

EDM Process

WEDM Process

Laser Cutting

Cleaning Process

# Global Deployment



## Corporate Headquarters

Factory area (M<sup>2</sup>): 1060 M<sup>2</sup>

Address: 4F, No. 1492-3, Chunri Rd., Taoyuan Dist., Taoyuan City 330, Taiwan (R.O.C.)



## Luzhu Factory

Factory area (M<sup>2</sup>): 850 M<sup>2</sup>

Address: No. 162, Shangzhu Road, Luzhu District, Taoyuan City 338, Taiwan (R.O.C.)



## New Factory Site

Factory area (Floors M<sup>2</sup>): 5300 M<sup>2</sup>

Address: No. 651, Hongc-hang St., Luzhu District, Taoyuan City 338, , Taiwan (R.O.C.)



# Contact Information



Kaiyi offers comprehensive solutions tailored to customer needs. We look forward to establishing deeper cooperation with you. Please feel free to contact us via email or phone.

Address : 4F.-1, No. 1492-3, Chunri Rd., Taoyuan Dist., Taoyuan City 330, Taiwan

TEL : +886-3-3467288

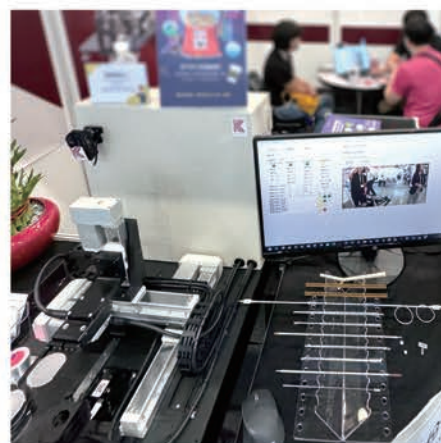
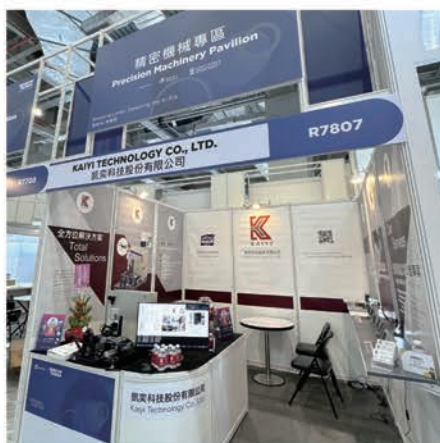
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Facebook : [www.facebook.com/kaiyi.com.tw](http://www.facebook.com/kaiyi.com.tw)



Facebook



## Services Items:

- Total Solution
- Customized Mechatronic Integration Design
- Metal
- Engineering plastic
- Composite material processing
- Orthodontic implants
- ODM / OEM
- Agency Brands



KY250804



website

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