



OINGK International Co., Ltd.

OINGK CNC Machine Tools Product Catalog

Our OINGK standard specification CNC machine tools include three-axis vertical machining centers (OIK) and five-axis machining centers (OIK80). We specialize in producing non-standard customized machine tools to meet different customers' specific requirements. We cover various machine specifications, customization options, and service processes to provide optimized machines tailored for everyone in the CNC machining industry.

Standard Specification Models: Three-Axis Vertical Machining Center (OIK Series)

Our OIK series offers high-precision, high-efficiency vertical machining solutions suitable for various complex machining requirements. Below are the detailed specifications of our two main models:

OIK-36VS

- Table size: 360 x 700 mm
- X/Y/Z axis rapid feed: 36/36/24 mm
- Spindle speed: 8,000 rpm
- Tool capacity: 16 tools
- Positioning accuracy: ± 0.006 mm
- Control system: FANUC, Siemens optional

OIK-80VS

- Table size: 1700 x 800 mm
- X/Y/Z axis rapid feed: 20/20/20 mm
- Spindle speed: 10,000 rpm
- Tool capacity: 24 tools
- Positioning accuracy: ± 0.006 mm
- Control system: FANUC, Siemens optional

Both models feature high-rigidity structure, precise control systems, and excellent machining performance, capable of handling various machining requirements from precision parts to large workpieces.

Parameter	Unit	OIK-36VS	OIK-50VS	OIK-566VS	OIK-60VS	OIK-60VS-2	OIK-70VS	OIK-80VS
X/Y/Z Travel	mm	520/380/450	800/550/550	900/600/600	1100/600/600	1100/600/600	1300/700/700	1600/800/700
Table to Spindle Distance	mm	110~560	120~670	120~720	100~700	120~720	160~860	140~840
Spindle Nose to Column Distance	mm	436	595	655	655	655	783	937
Guide Way Type	-	Linear	Linear	Linear	Linear	Linear	Linear/V4	Linear
Table Size (L*W)	mm	360x700	1000*550	600x1000/1200	1200*600	1200*600	1400/1500*700	1700*800
Max. Table Load	kg	450	600	800	800	800	1400	1800
T-slot	No./mm	3~18x125	5~18x90	5~18x100	5~18x100	5~18x100	18*5*150/50	5~18x125
Spindle Taper	-	BT40	BT40	BT40	BT40	BT40/BT50	BT40/BT50	BT50
Spindle Speed	rpm	8000	8000	8000	8000	8000	8000/6000	8000
Spindle Drive Type	-	Belt	Belt	Belt	Belt	Belt	Belt	Belt
X/Y/Z Rapid Feed	m/min	36/36/24	36/36/24	36/36/24	30/30/24	24/24/24	24/24/24	20/20/20
Max. Cutting Feed	mm/min	10000	10000	12000	10000	10000	10000	10000
Tool Change Type	-	Arm Type	Arm Type	Arm Type	Arm Type	Arm Type	Arm Type	Arm Type
Tool Holder	type	BT40	BT40	BT40	BT40	BT40 (Double)	BT40/BT50	BT50
Tool Capacity	tools	16	24	24	24	24	24	24
Max. Tool Weight	kg	2	8	8	8	8	8.0/15	15
Tool Change Time (T-T)	sec	2	2	2	2	2	2.0/4	4
Motors (X/Y/Z)	kw	5.5/7.5	7.5/11	11.0/15	11.0/15	11.0/15	11.0/15	15/18.5
Positioning Accuracy	mm	± 0.006	± 0.006	± 0.006	± 0.006	± 0.006	± 0.006	± 0.006
Repeatability	mm	± 0.004	± 0.004	± 0.004	± 0.004	± 0.004	± 0.003	± 0.004
Machine Size (LWH)	mm	1770*2100*2280	2600*2400*2550	2600*2300*2600	3300*2500*2700	3300*2500*2700	3725*2435*3020	3924*2658*3020
Machine Weight	ton	3.5	5.5	7	7.5	8	9.0/11	13



Standard Specification Models: Five-Axis Machining Center (OIK Series)

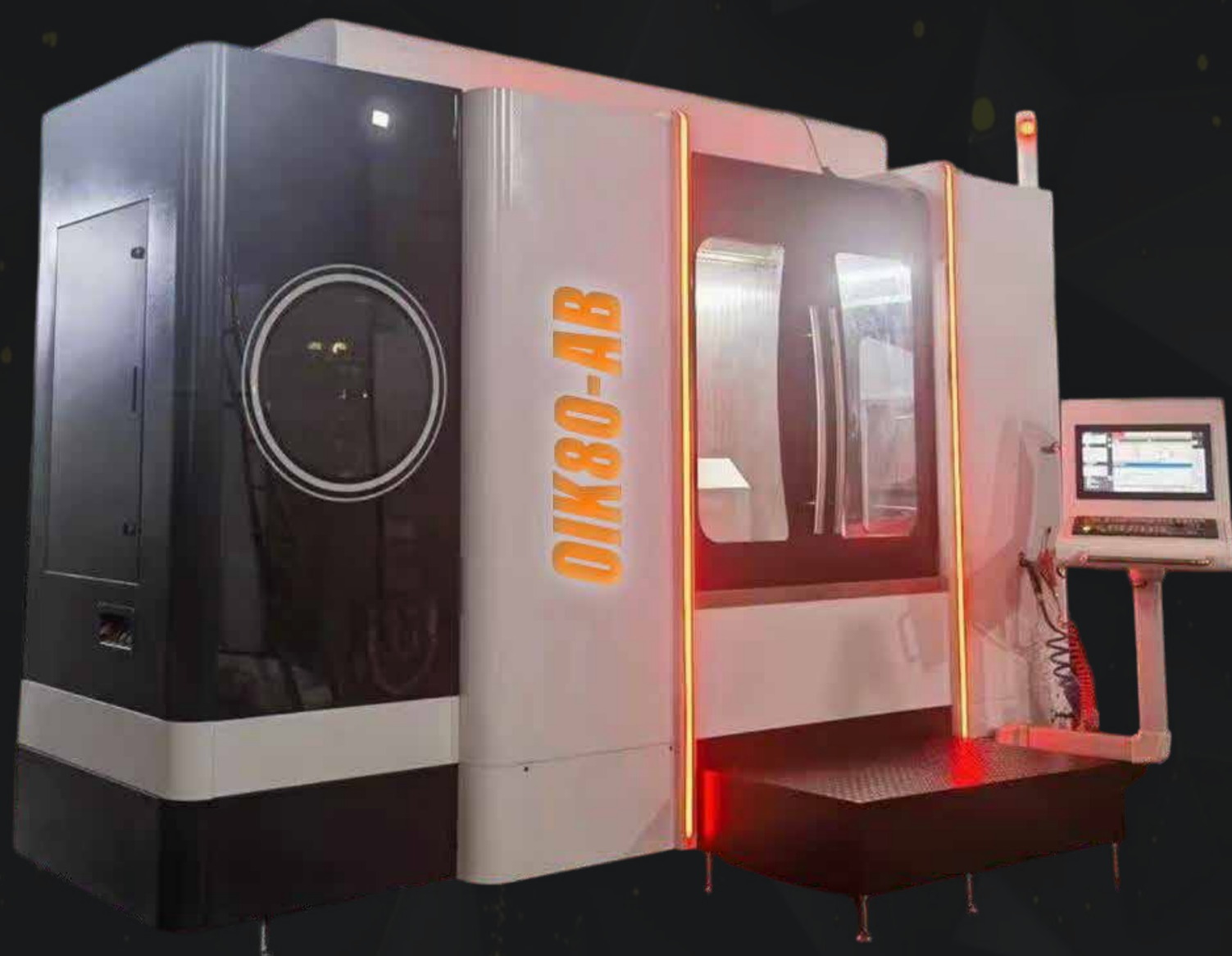
OIK80-AB

Our OIK80 series represents cutting-edge technology in five-axis machining, particularly suitable for applications requiring high-efficiency and high-precision machining. OIK80-AB is the flagship model of this series with the following features:

- Table size: 2~400x600 mm
- X/Y/Z axis travel: 500/400/450 mm
- Spindle speed: 60~12,000 rpm
- Tool capacity: 12/16/24 tools
- Positioning accuracy: $\pm 0.010/0.005$ mm
- Control system: FANUC, Siemens optional

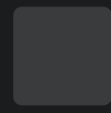
The OIK80 is specially designed for continuous production and automated machining lines. Its high-speed spindle and large tool magazine significantly improve production efficiency. The precise positioning system and advanced control system ensure excellent machining accuracy and surface quality.

Specification	Unit	OIK80-AB Gantry switchboard vertical machining centre	OIK80-40S Gantry High Speed vertical machining center	OIK80-650G High-speed engraving and milling machines
Workbench specifications (W x L)	mm	2-400x600	400x800	500x600
Max. workbench load	kg	2-350	800	800
X/Y/Z axis coordinate travel	mm	500/400/450	500/400/450	600/500/450
Distance from spindle end to workbench surface	mm	120~570	180~630	180~630
X/Y/Z axis rapid movement speed	m/min	30/30/30	36/36/30	18/18/18
Feed cutting speed	mm/min	5~8000	5~10000	5~15000
Spindle speed range	r/min	60~12000	100~15000	200~30000
Spindle motor power (nominal/intermittent)	kW	5.5/11 (S1/S3-15%)	9/15 (S1/S3-25%)	7.5/11 (S1/S3-25%)
Spindle output torque (nominal/intermittent)	Nm	26.3/70 (S1/S3-15%)	57.2/118 (S1/S3-25%)	5.97/8.76
Tool holder type/maximum tool weight	kg	BT40 /7	BBT40 /7	HSK-E40 /5
Tool magazine capacity/form		2/16/24 optional	2/16/24 optional	2/16/24 optional
Positioning accuracy/repositioning accuracy	mm	0.010/0.005 (VDI/DGQ 3441 standard)	0.010/0.005 (VDI/DGQ 3441 standard)	0.010/0.005 (VDI/DGQ 3441 standard)
Machine size:L*W*H	mm	1450x4000x2000	1450x4000x2000	1450x4000x2000
Machine.Weight approx.	kg	8000	7500	7500



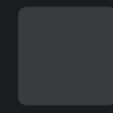
Customization Options: Enhance Your Machine Performance

We offer various customization options to optimize machine performance according to specific machining requirements. Here are the main customization areas: Spindle System Upgrades



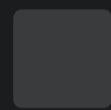
Spindle System Upgrades

Offering 15,000 rpm, 20,000 rpm, and 24,000 rpm speed upgrade options, along with spindle cooling system and oil-air lubrication system upgrades to improve machining efficiency and extend spindle life.



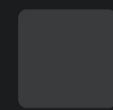
Precision Control Optimization

Addition of optical scale feedback system, temperature compensation system, and workpiece measurement system to further improve machine accuracy and stability.



Tool System Enhancement

Expand tool magazine capacity to 40, 60, or 80 tools, and provide tool breakage detection and tool length measurement systems to increase automation level and machining reliability.



Automation Options

Including automatic doors, robot interfaces, pallet systems, fourth-axis rotary table, and fifth-axis cradle to significantly improve production efficiency and machining flexibility.



Cutting Fluid System Upgrades: Improve Machining Performance

An efficient cutting fluid system is crucial for ensuring machining quality and extending tool life.

We offer the following cutting fluid system upgrade options:



High-Pressure Cutting Fluid System

Offering 20/50/70 bar options, suitable for deep hole machining and difficult-to-machine materials, significantly improving cutting efficiency and surface quality.



Cutting Fluid Cooling System

Precise control of cutting fluid temperature to reduce thermal deformation and improve machining accuracy and consistency.



Chip Conveyor System Upgrade

Efficient chip removal to reduce machining interference and improve workplace cleanliness and machine operation efficiency.

These upgrade options can be combined according to your specific machining requirements to achieve optimal machining results and production efficiency. Our technical team will provide professional advice to help you choose the most suitable configuration.



Customization Service Process: From Requirements to Realization

Our customization service aims to provide you with the most suitable CNC machine tool solutions. Our process ensures each step is carefully planned and executed to achieve optimal results.

1

Requirements Consultation

Our expert team will discuss in depth with you to understand your specific machining needs, production goals, and budget considerations.

2

Technical Assessment

Based on your requirements, we conduct detailed technical assessments to determine the most suitable model and customization options.

3

Solution Design

We design a comprehensive solution including machine configuration, customization features, and possible automation integration.

4

Quotation Review

Provide detailed quotations including cost breakdowns for all customization options and discuss with you to ensure the solution meets your expectations.

5

Manufacturing and Assembly

Begin production of your customized machine, strictly following quality control processes to ensure every detail meets the highest standards.

6

Testing and Acceptance

Conduct comprehensive functional and accuracy testing to ensure machine performance meets or exceeds agreed specifications.

7

Installation and Training

Our technical team is responsible for machine installation and provides comprehensive operation training to ensure your team can fully utilize the new equipment.

8

After-Sales Service

Provide ongoing technical support, regular maintenance, and rapid response troubleshooting services to ensure your machine maintains optimal condition.

Why Choose Our CNC Machines?

Choosing our CNC machines means getting industry-leading machining solutions. It's not just buying a machine, but obtaining a comprehensive productivity enhancement solution. Here are the main reasons to choose us:

Outstanding Machining Performance

Our machines employ the latest technology, providing high-speed, high-precision machining capabilities to meet the most stringent machining requirements.

Excellent Reliability

Strict quality control and high-quality components ensure machines have outstanding durability and stability, maximizing your return on investment.

Flexible Customization Options

Rich customization options allow you to optimize machine configuration according to specific needs, ensuring you get the most suitable solution.

Comprehensive Technical Support

From initial consultation to after-sales service, our professional team provides support throughout to ensure your production line maintains optimal condition.



Contact Us:

Start Your Customization Journey

Whether you need detailed product information or are ready to start your customized CNC machine project, our team is ready to provide professional assistance. Please contact us through:

Business Line

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Website

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We look forward to helping you improve production efficiency and achieve excellent machining quality. Regardless of your project scale, we have the capability to provide you with the best CNC machine solutions. Contact us now to discuss how we can bring revolutionary changes to your business.

