



SHANDONG HANDEMO TECHNOLOGY CO., LTD.

HANDEMO

China's Turning-milling Compound
Lathe Production Base



COMPANY ADDRESS:

No. 999, Xizhong North Road, Tengzhou City,
Zaozhuang City, Shandong Province, China



Scan the QR code at
360 ° View the factory

CONTENTS



01	Enterprise Profile	/ 01
02	Team Strengtn	/ 02
03	CNC Slant Lathe	/ 03
04	CNC Turning and Milling	/ 04
05	Vertical Machining Center	/ 05
06	Horizontal Machining Center	/ 06
07	Five-axis Turning and Milling Machine	/ 07
08	Five-axis Machining Center	/ 08
09	Double Spindle Turning & Milling Machine	/ 09
10	Customer Service	/ 10
11	Customer Visits	/ 11
12	Social Impression	/ 12
13	Corporate Culture	/ 13

COMPANY PROFILE



1 BILLION 
ANNUAL OUTPUT VALUE

13 
SUBSIDIARIES

680 + 
COMPANY EMPLOYEES

100000 
SQUARE METERS OF PLANT

200 + 
PATENT APPLICATIONS

Qingluan Fuxing Industrial Technology Group is **a leader** in the production of CNC Machine and the largest turn-milling **production base in China**.

The group company has **13 subsidiaries** including high-tech enterprises and listed companies, with **680 employees**, **100,000 square meters** of factory buildings, more than **200 patent applications**, and an annual output value of **1 billion**.

TEAM STRENGTH



TOP1
Pre-sales service team



TOP3
Slant bed turning and milling service team



TOP2
After-sales service team



LARGE-SCALE FACTORY

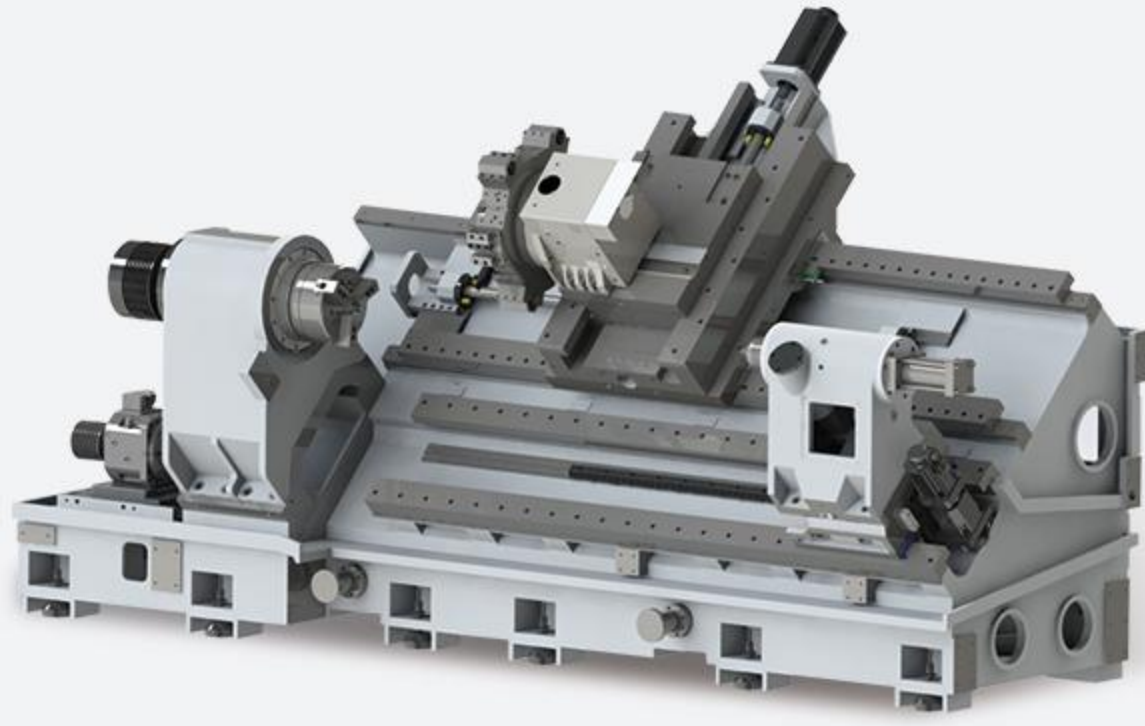


TOP4
Vertical Machining Center factory

TOP5/TOP6
CNC Turning and Milling factory

TOP7/TOP8
Machine tool accuracy detection

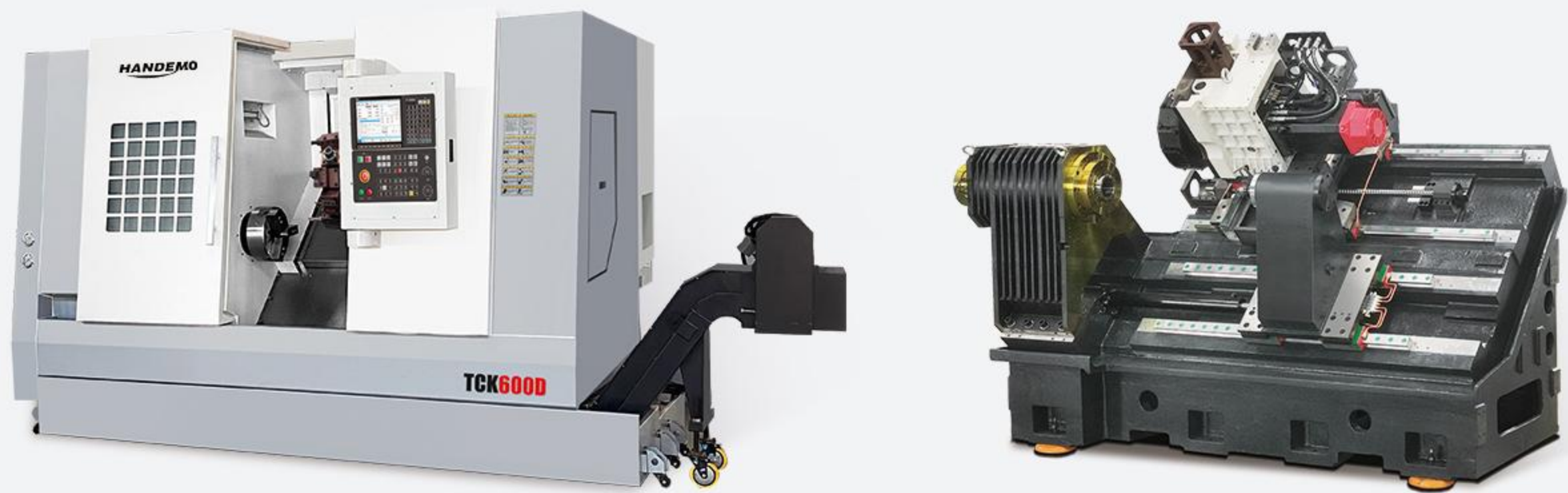
01 CNC SLANT LATHE



- The bed tilt angle is 30 degrees/45 degrees, which provides good rigidity and greater stability.
- CNC systems can be selected from FANUC, Siemens, etc.
- Supports installation of center bracket to ensure high enough machining accuracy if you are machining long shaft workpieces.

MACHINE MODEL	TCK50	TCK6050	TCK56-500	TCK56-1000	TCK63-1000	TCK63-1500	TCK63-2000	TCK63-3000	TCK80-1500	TCK6350B	TCK56D	TCK600S	TCK600D
Maximum rotation diameter of lathe (mm)	φ500	φ560	φ560	φ560	φ720	φ720	φ720	φ720	φ1000	φ630	φ1000	φ600	φ600
Maximum cutting length (mm)	500	540	500	1000	1000	1500	2000	3000	1500	500	1500	500	470
Maximum cutting diameter (mm)	φ360	φ500	φ280	φ280	φ500	φ500	φ500	φ500	φ800	φ480	φ800	φ550	φ390
Spindle end form	A2-6	A2-6	A2-6	A2-6	A2-11	A2-11	A2-11	A2-11	A2-11	A2-8	A2-11	A2-8	A2-6
Chuck (inch)	8inch/203mm	8inch/203mm	8inch/203mm	8inch/203mm	10inch/254mm	10inch/254mm	10inch/254mm	10inch/254mm	10inch/254mm	10inch/254mm	10inch/254mm	10inch/254mm	10inch/254mm
Spindle hole diameter (mm)	φ65	65	φ65	φ65	φ80	φ80	φ80	φ104	φ120	φ96	φ120	φ80	φ67
Spindle speed (rpm)	4500	4500	4500	4500	3500	3500	3500	2000	1600	4500	1600	3500	4500
X-axis travel (mm)	200	280	200	200	250	250	250	300	450	270	450	300	255
Z-axis travel (mm)	550	620	560	1050	1020	1520	2050	3050	1600	690	1600	550	600
Tailstock travel (mm)	450	600	450	950	900	1400	1950	2800	1500	500	1500	/	450
Spindle motor power (KW)	11/15KW	11/15KW	11/15KW	11/15KW	15/18.5KW	15/18.5KW	15/18.5KW	15/18.5KW	18.5/22KW	15/18.5KW	15/18.5KW	15/18.5KW	15/18.5KW
X/Z rapid shift speed (m/min)	30/30	15/15	30/30	30/30	12/16	12/16	12/16	16/24	20/20	15/15	20/20	30/30	/
Tool holder form	8-station	12-station	8-station	8-station	12-station	12-station	12-station	12-station	12-station	12-station	12-station	12-station	12-station

02 CNC TURNING AND MILLING



- Shorten the process chain and enhance production efficiency:Combining turning and milling processes reduces manufacturing steps,boosting efficiency.
- CNC systems can be selected from FANUC, Siemens, etc.
- The tool setting arm can be installed for faster and more accurate tool setting, and a Renishaw detector can be installed to detect the workpiece size in real time.

MACHINE MODEL	TCK56Y	TCK56Y-1000	TCK600Y	TCK600Y-1000	TCK63Y-1000	TCK63Y-1500	TCK63Y-2000	TCK2100LY	TCK600SY	TCK3100SY
Maximum rotation diameter of lathe(mm)	φ560	φ560	φ600	φ600	φ720	φ720	φ720	φ650	φ600	φ750
Maximum cutting length(mm)	400	930	500	1000	1000	1500	1000	500	500	1000
Maximum cutting diameter(mm)	300	300	430	430	480	480	480	350	350	500
Spindleendform	A2-6	A2-6	A2-6	A2-6	A2-8	A2-8	A2-8	A2-6	A2-6	A2-8
Spindle hole diameter(mm)	65	65	65	65	85	85	85	65	65	85
Spindle speed (rpm)	4500	4500	4500	4500	3000	3000	3000	4500	4500	3000
X-axis travel (mm)	200	200	280	280	200	300	200	260	280	400
Y-axis travel(mm)	±30	±30	±50	±50	±75	±75	±75	±50	±50	±100
Z-axis travel (mm)	550	950	550	1200	1020	1450	1020	550	550	1350
Spindlemotor power(KW)	30	30	30	30	37	37	37	30	30(11)	37(30)
X/Y/Z rapid shift speed(m/min)	/	/	/	/	/	/	/	20/10/20	30/10/30	12/12/16
Tool holder form	12-station	12-station	12-station	12-station	12-station	12-station	12-station	12-station	12-station	12-station

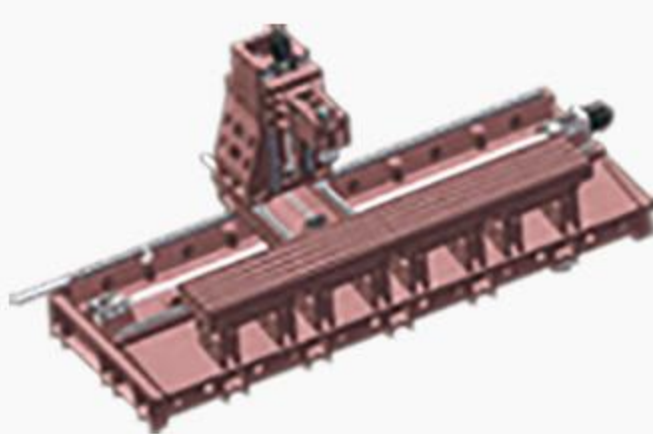
03 VERTICAL MACHINING CENTER



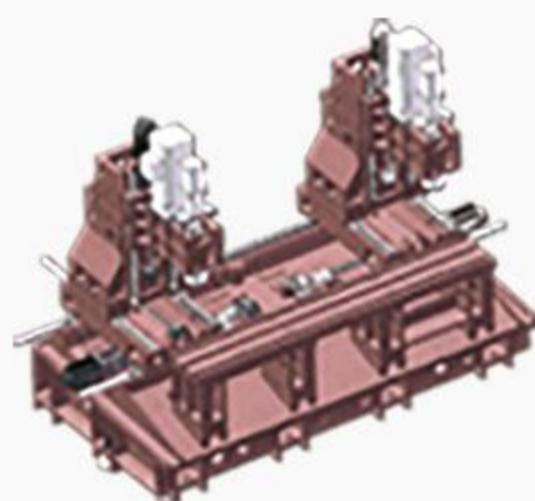
- CNC systems can be selected from Fanuc, Siemens, Mitsubishi, GSk, etc.
- CNC milling machines can be equipped with a fourth or fifth axis according to needs.
- CNC milling machines can choose X/Y/Z linear guides according to your needs
X/Y linear guides & Z-axis hard guides.

MACHINE MODEL	VMC650	VMC855P	VMC1160	VMC1160P	VMC1370	VMC1580	VMC1690	VMCL1890
Workbench size (mm)	1000×400	1000×550	1200×600	1200×600	1400×700	1600×800	1600×800	2000×900
Maximum load (KG)	400	500	800	800	800	1500	1500	1600
X-axis travel (mm)	650	800	1100	1100	1300	1500	1600	1800
Y-axis travel (mm)	400	550	600	600	700	800	900	900
Z-axis travel (mm)	550	550	600	600	750	700	700	600
Spindle taper hole	BT40-120	BT40-150	BT40-150	BT40-150	BT40-150	BT50-155	BT50-190	BT50-190
Spindle speed (rpm)	8000	8000/15000	8000	8000/12000	8000/12000	6000/12000	6000/12000	6000/12000
X/Y/Z rapid shift speed (m/min)	32/32/24	32/32/24	24/24/18	24/24/18	24/24/18	20/20/16	20/20/16	20/20/15

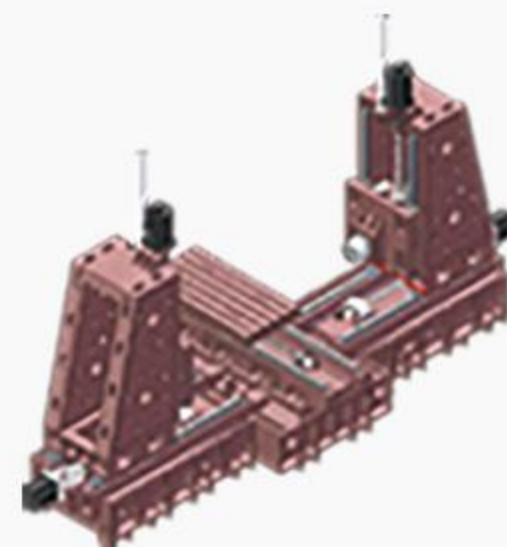
SUPPORTS CUSTOMIZED SERVICES



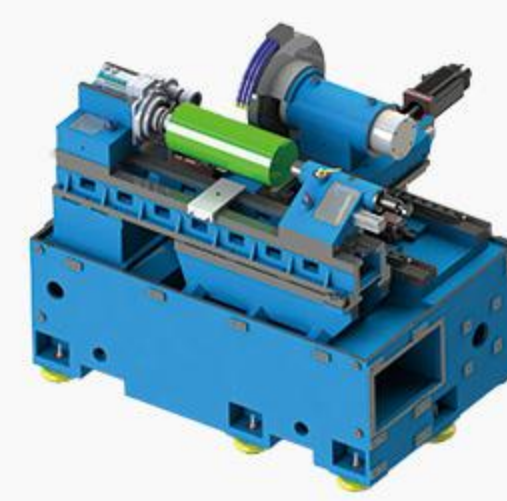
Moving column type
vertical machining center



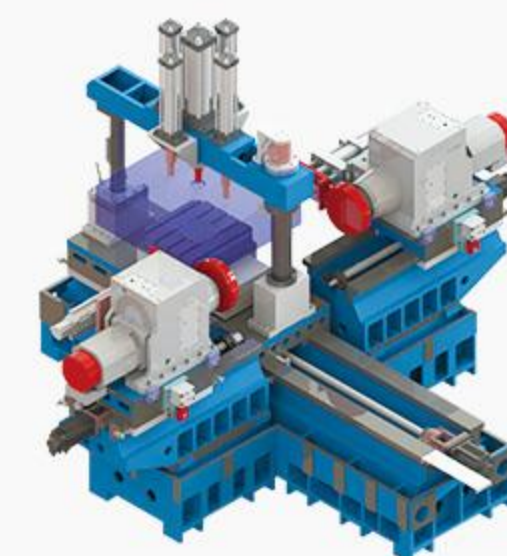
Double moving column
vertical machining center



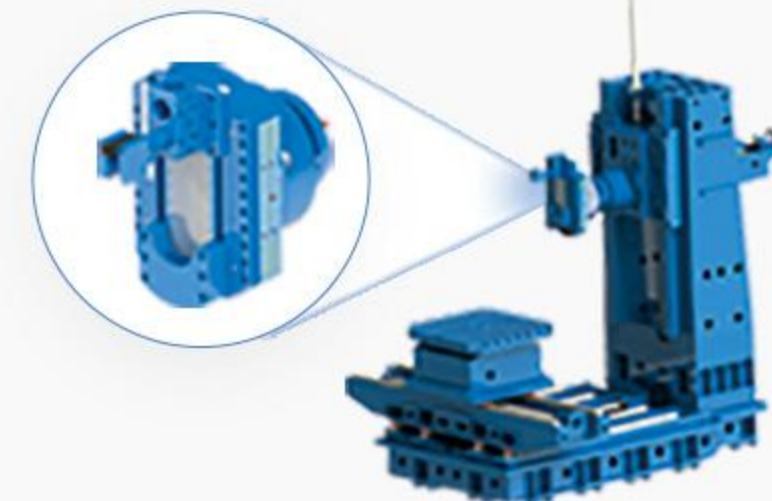
Double action column boring
horizontal machining center



MH320Grinding machine



SMX85 double-sided
milling machine



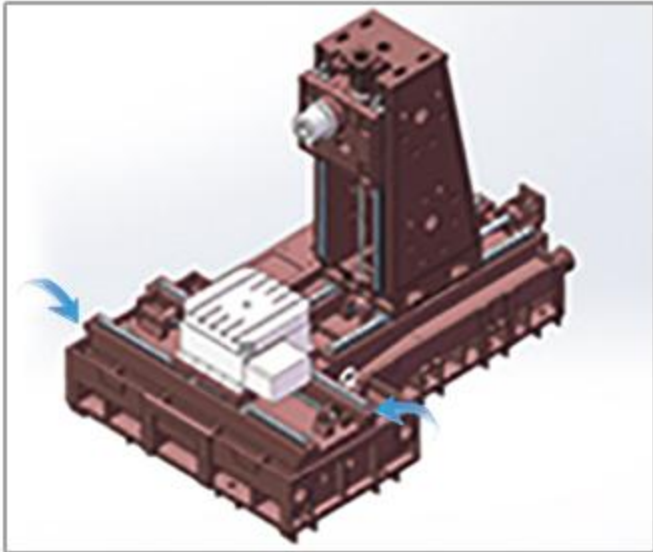
planiscope

04 HORIZONTAL MACHINING CENTER

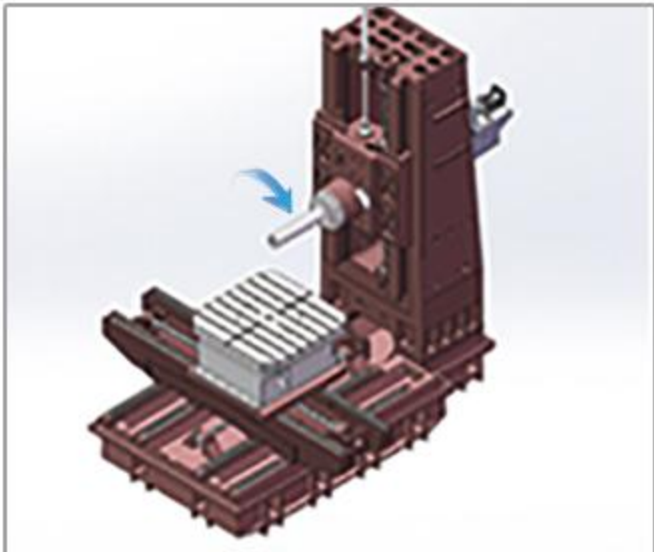


- Extra-large base for stability: X and Z axes feature 55 heavy-duty linear guides, while the Y-axis boasts a rectangular hard rail for superior rigidity, ideal for heavy cutting.
- Hydraulic knife: High-stability hydraulic cutting cylinder ensures reliability with a low failure rate.
- Column hard rail: Enhanced strength and efficiency make it perfect for heavy cutting tasks.

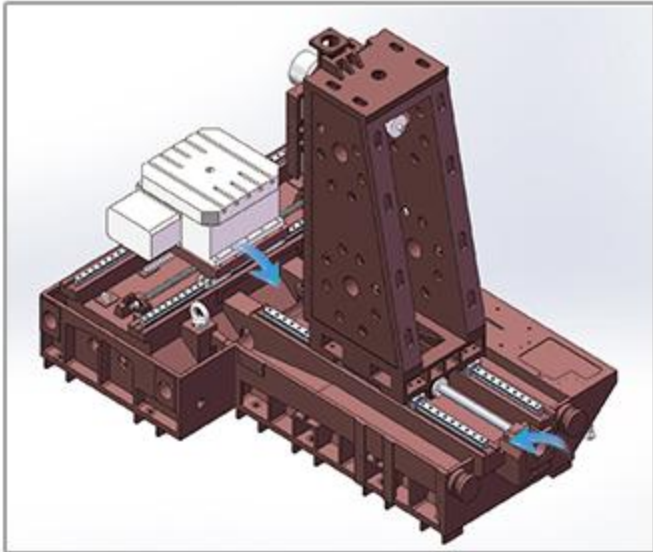
MACHINE MODEL	HMC1075	HMC1395	HMC1814	HMC630S (Inverted T)	HMC800 (Inverted T)	HMC1000 (Positive T)	HMC1000S (Telescopic spindle)	HMC1400S (Telescopic spindle)
Workbench size (mm)	1300×600	1400×700	2000×900	630×630 (turntable)	800×800 (turntable)	1000×1000 (turntable)	1000×1000 (turntable)	1400×1400 (turntable)
Maximum load (KG)	800	1500	1600	1500	2500	3500	4000	4000
X-axis travel (mm)	1000	1300	1800	1000	1300	1300	1800	1800
Y-axis travel (mm)	750	800	1400	800	1150	1100	1000	1300
Z-axis travel (mm)	800	750	900	850	1000	1200	1300	1500
T-slot	5-18-1000	5-18-130	5-22-165	T-SLOT	7-22-100	7-22-125	7-22-125	7-22-125
Spindle taper hole	BT40-150	BT50-190	BT50-190	BT50-190	BT50-200	BT50-190	BT50-45°	BT50-45°
Spindle speed (rpm)	6000	6000	6000	6000	6000	6000	3000	2000
X/Y/Z rapid shift speed (m/min)	24/12/24	15/12/15	20/12/20	20/12/20	12/12/12	15/12/15	14/12/14	14/12/14/12
Machine weight (KG)	8000	10000	15000	10000	16000	18000	15000	19500



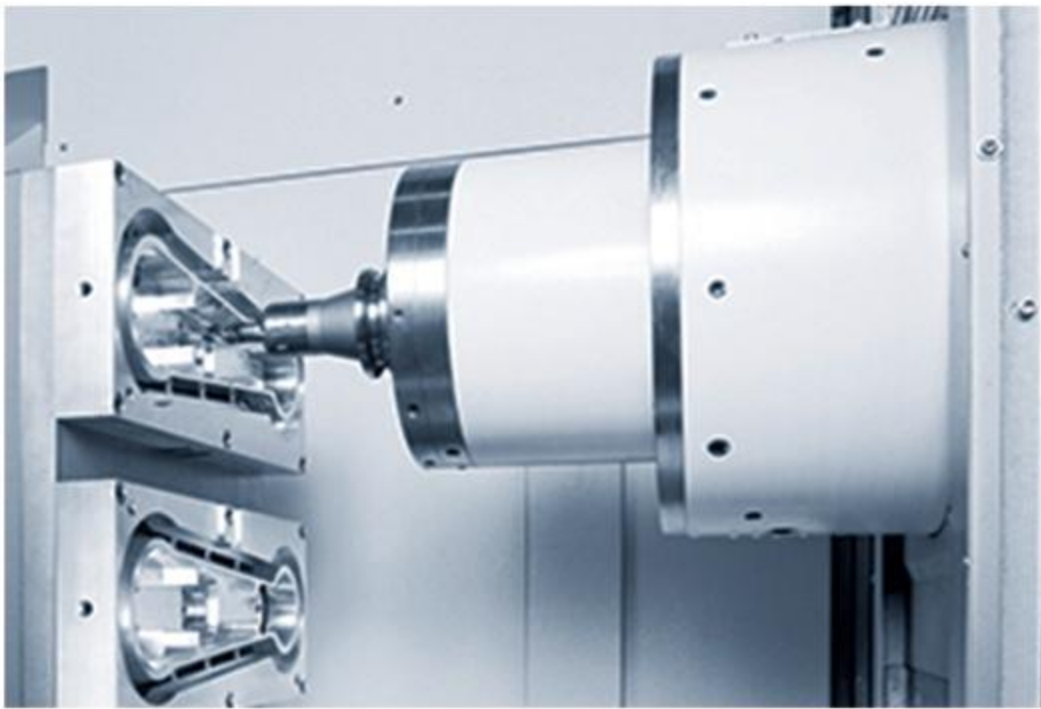
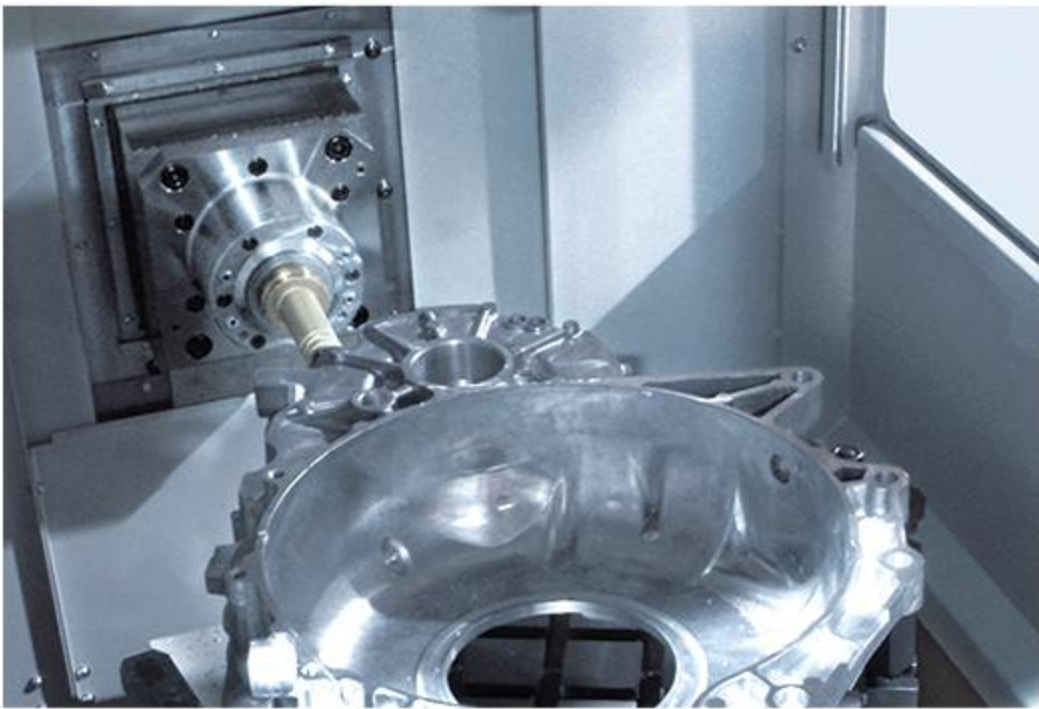
The spiral chip extractor is easier to clean



The telescopic spindle structure is more suitable for deep hole machining



Oil-water separation design technology



05

FIVE-AXIS TURNING AND MILLING MACHINE



Milling spindle

It uses a high-power, high-speed electric spindle with a maximum speed of 6000 rpm, a rated torque of 100 N.m, and a HSK-T63 high-precision toolholder structure to meet most milling requirements.



B-axis structure

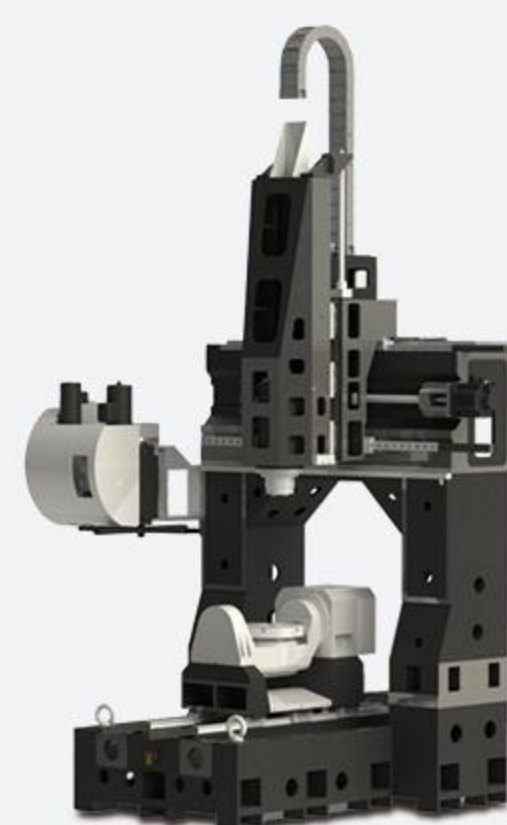
*Permanent magnet synchronous motor is used for precise indexing.
Maximum torque: 1320Nm, ensuring rigidity during turning.
Not only horizontal front processing, but also angle processing.*

Can realize 10-axis 5-link

- Dual electric spindle - dynamic docking accuracy of 0.003mm
- 40 tool libraries, HSK tool holder structure
- X-axis travel 700mm, Z-axis travel 1550mm
- Can process 600mm diameter, W-axis hard rail
- Swinging head linkage $\pm 110^{\circ}$

MACHINE MODEL	HTMC800S
Maximum rotation diameter of lathe(mm)	φ600
Maximum cutting length(mm)	1000
Maximum cutting diameter(mm)	580
Spindleendform	A2-8(6)
Spindle hole diameter(mm)	φ87/67
Spindle speed (rpm)	3000(4000)
X-axis travel (mm)	720
Y-axis travel(mm)	±125
Z-axis travel (mm)	1550
Spindlemotor power(KW)	37(30)
X/Y/Z rapid shift speed(m/min)	12/12/12
Tool holder form	12-station
Machine weight (Kg)	17000

06 FIVE-AXIS MACHINING CENTER



- Standard 400DD motor turntable with built-in encoder.
- Three axis travel 1000*600*600,using heavy-duty 45 wide guide rails.
- Integrated design of casting columns.
- Reinforcement plate layout through finite element analysis.

MACHINE MODEL	VMC320U	HMC400U	LH400	LH450	LH500
Workbench size (mm)	φ320	Φ400	Φ400	Φ500	Φ500
Maximum allowable load (Kg)	200	200	200	300	350
X axis travel (mm)	700	550	600	600	600
Y-axis travel (mm)	500	400	1000	1000	1000
Z-axis travel (mm)	500	550	600	600	600
T-groove	6-14	12H8	12H8	8-14H8	8-14H8
Spindle taper hole	BT40-φ150	BT40-Φ150	BT40	BT40	BT40
Spindle speed (r/min)	8000	8000	12000	12000	12000
X/Y/Z fast movement (m/min)	24/24/18	15/12/15	15/12/15	15/12/15	15/12/15
Machine weight (Kg)	6700	6500	9000	9000	9000
Swinging angle	/	/	A-AXIS±120 C-AXIS±360	A-AXIS±120 C-AXIS±360	A-AXIS±120 C-AXIS±360
Spindle power (kW)	11	18.5	13	13	13
Feed rate (mm/m i n)	1-10000	1-10000	1-10000	1-10000	1-10000
Distance from spindle end face to worktable (mm)	582	480	700	700	700

07

DOUBLE SPINDLE TURNING & MILLING MACHINE



- Y-axis travel is 200mm, twice that of ordinary turning and milling machines.
- Design of oil-water separation structure for castings.
- It can realize double-sided butt processing and save manual clamping time.

MACHINE MODEL	TCK3100SY
Maximum rotation diameter of lathe(mm)	φ750
Maximum cutting length(mm)	1000
Maximum cutting diameter(mm)	500
Spindleendform	A2-8
Spindle hole diameter(mm)	85
Spindle speed (rpm)	3000
X-axis travel (mm)	400
Y-axis travel(mm)	±100
Z-axis travel (mm)	1350
Spindlemotor power(KW)	30(30)
X/Y/Z rapid shift speed(m/min)	12/12/16
Tool holder form	12-station

VMC VERTICAL MILLING MACHINE

08



- High rigidity cast iron structure, internal reinforcement ribs ensure the rigidity and shock resistance of the casting.
- BT50-190 spindle, more efficient cutting rate and stronger rigidity.

MACHINE MODEL	VMC1890
Workbench size (mm)	2000×900
Maximum load (KG)	1600
X-axis travel (mm)	1800
Y-axis travel (mm)	900
Z-axis travel (mm)	600
Spindle taper hole	BT50-190
Spindle speed (rpm)	6000/12000
X/Y/Z rapid shift speed (m/min)	20/20/15

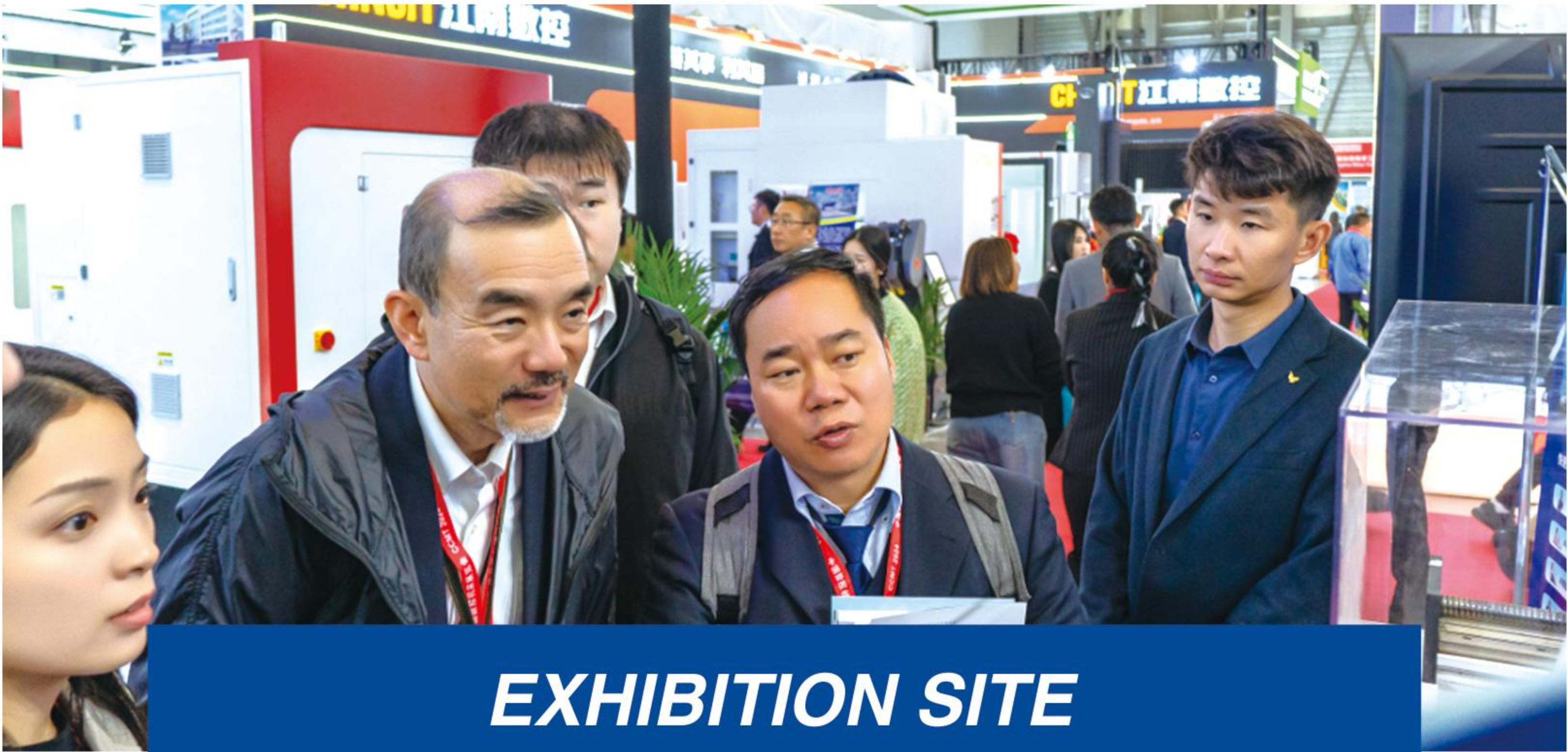


CUSTOMER SERVICE



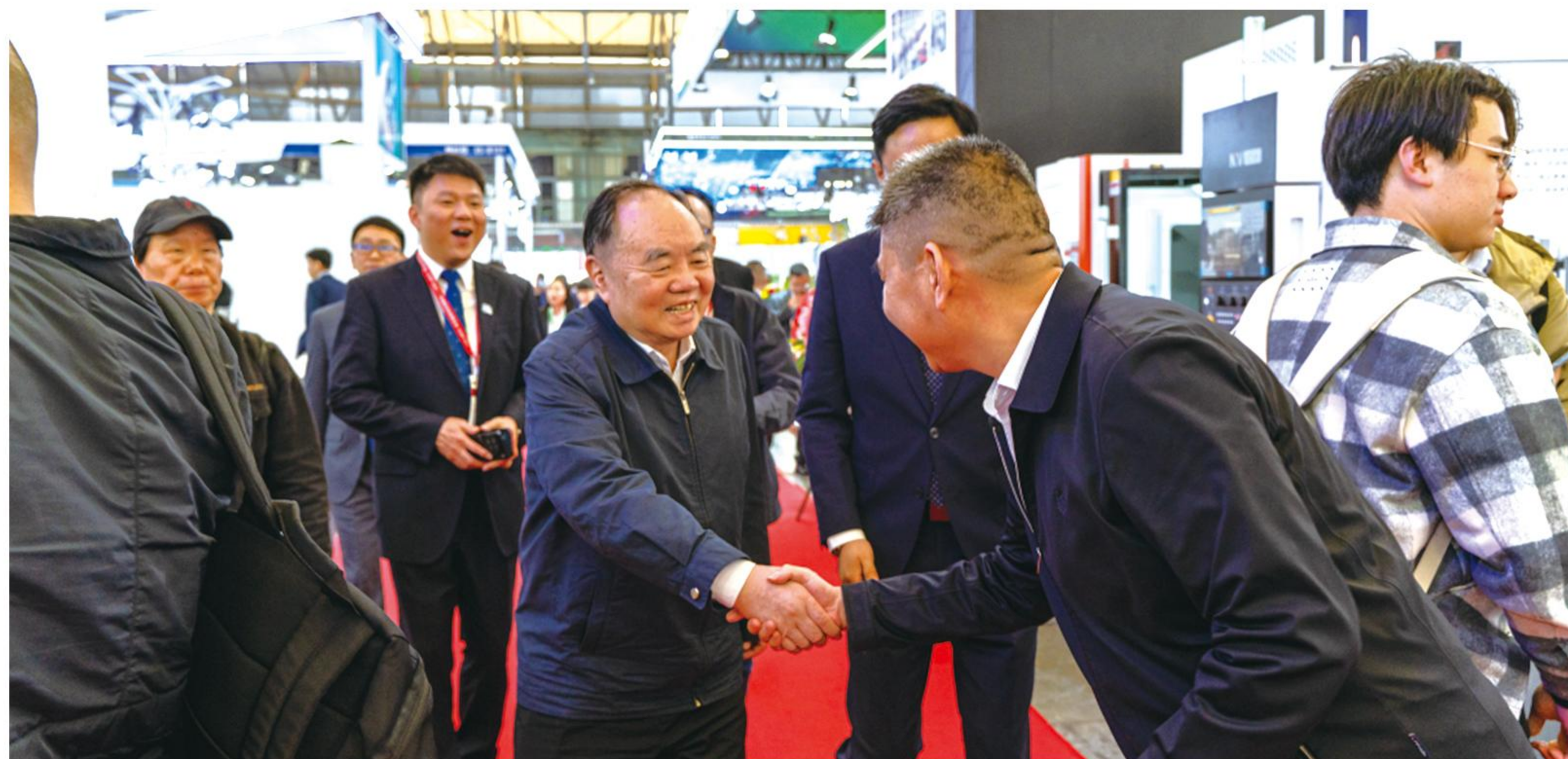
Mr. Huang Jia kun and technical engineers visit customers in Russia

CUSTOMER VISITS



EXHIBITION SITE
Big data +AI to restructure the manufacturing industry
Promote new quality productivity

SOCIAL IMPRESSION



Academician Zhou Ji, President of the Chinese Academy of Engineering, visited Dahan Smart booth again



Chairman Huang Chuanqing was appointed by Shanghai Jiaotong University as the tutor for master's degree students



Mr. Chen, Chairman of Huazhong CNC, had technical exchanges with Chairman Huang



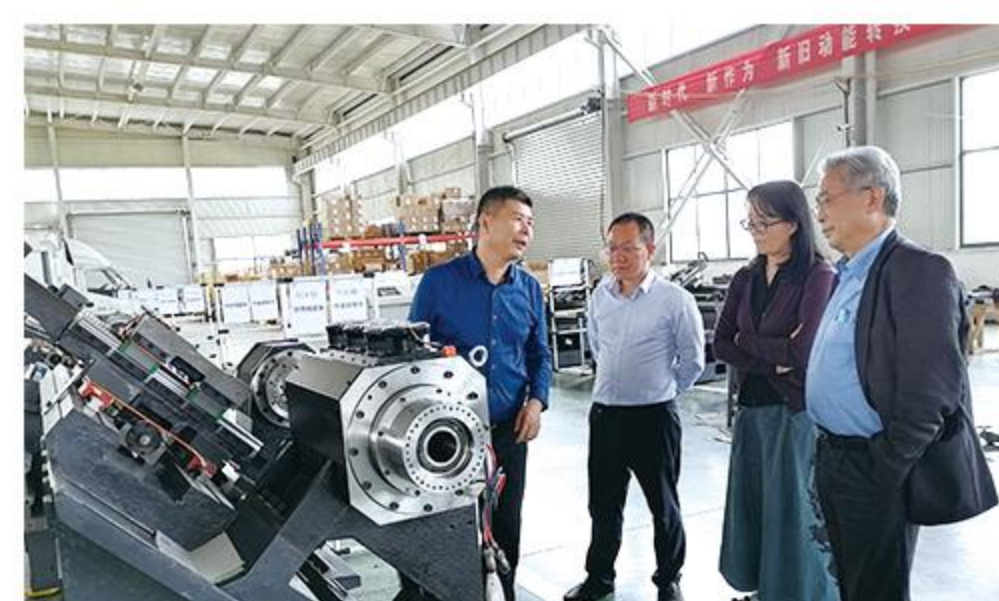
Haitian Precision Group conducts technical exchanges with us



Haier Group technology exchange



GENERTEC conducts technical exchanges with us



Xi 'an Jiaotong University and Industrial Research Institute technical exchange



Beijing Zhongguancun CNC technology exchange



Mr. Huang Chuanqing CEO of Qinglun Fuxing Group

CEO Mr. Huang released the first intelligent AI programming system five-axis swing head turning and milling at CCMT2024 Shanghai

CORPORATE CULTURE AND VALUES

[CORPORATE VISION] Become a national brand trusted by users

[CORPORATE VALUES] Integrity, focus, perseverance, openness, embrace change

[ENTERPRISE MISSION] To provide users with micron level intelligent linked machine tools

[BUSINESS PHILOSOPHY] With industrial Internet thinking as the core, enterprise talent and innovation as a magic weapon



66 Machine Tool Festival



Mr. Huang shared enterprise development strategies with entrepreneurs



Quality Commitment Conference



Benchmark factory Open Day



A group photo at the 2024 annual conference



China Machine Tool Festival 2023 will be held

MAIN PRODUCT LINES

Five-Axis Series

- GANTRY-TYPE STRUCTURE
- HEAD-TURNING AND MILLING STRUCTURE
- VERTICAL FIVE-AXIS

Lathe Series

- 5-SERIES 30° STRUCTURE
- 5-SERIES 45° STRUCTURE
- HARD RAIL STRUCTURE
- TURNING CENTER SERIES
- SPECIAL PURPOSE MACHINES FOR DISC PARTS
- 6-SERIES 45° STRUCTURE

Turn-Mill Series

- 5-SERIES STRAIGHT Y STRUCTURE
- 6-SERIES STRAIGHT Y STRUCTURE
- AUTOMATION UNIT SERIES
- C-SERIES INTERPOLATION Y STRUCTURE
- S-SERIES DUAL SPINDLE STRUCTURE

Vertical Machining Center Series

- HARD RAIL STRUCTURE
- LINEAR RAIL STRUCTURE
- TWO LINEAR RAILS AND ONE HARDENED STRUCTURE

Horizontal Machining Center Series

- TELESCOPING SPINDLE STRUCTURE
- BORING-MILLING MACHINE STRUCTURE.
- REGULAR T-STRUCTURE
- INVERTED T STRUCTURE

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