

Maxtors CNC E-Catalogue

HIGH SPEED DOUBLE COLUMN SERIES



Ningbo Maxtors CNC Machinery Co.,Ltd. is located in the beautiful coastal city-Ninghai, on the eastern coast of Zhejiang Province, between Xiangshan Port and Sanmen Bay, where the Tiantai and Siming Mountains meet, a county of Ningbo, one of the first batch of coastal open areas city which is the Municipalities with Independent Planning Status under the National Social and Economic Development approved by State Council. Maxtors CNC Founded in 1996, is located in Ningbo south coastal new region,Ninghai County. Now owning two High-quality brands "Yiming CNC" and "Maxtors Precision Machine". Cover an area of 12,000 square meters, Has production base of producing more than 1,500 sets CNC machines per year, Mainly R & D and produce gantry machining center, mold high-speed milling machine, CNC engraving and milling machine, vertical machining center,drilling and tapping center, ceramic engraving machine and graphite machining machine and so on. Since 2013, started to develop and produce 5-axis simultaneous machining centers, 5-axis (3+2) machining centers, maintains long-term exchanges and cooperation with FANUC, Siemens, Heidenhain and others Machines CNC Controller & components suppliers. The 5-axis machining centers we produced are widely used in manufacturing of mold,aerospace, Ships and boats,and other fields, widely praised by customers at home and abroad.

Our company have passed the ISO-9001-2000 quality system certification, full range of our machines designed according to international advanced concept, strict effective finite element analysis of various types of parts and components, an effective three-dimensional detection of finished parts of fine machining to ensure its dimensional accuracy; All products use international renowned brand parts and components to ensure product quality and accuracy.

Our company has 18 branch offices in China, with perfect pre-sales and after-sales service systems to ensure the normal use of customers. Our products have passed CE certification and the products are exported to Southeast Asia,Europe and others countries, Quality is the foundation for business survival. Integrity is base for business development. Customer satisfaction is the driving force for the company's advancement. Maxtors abides by the business philosophy of "Meticulous Creation & Whole-hearted Service", and development attitude of "Strives to win the market by quality, Towards to the world by brand", committed to producing world-class CNC machines.

MAXTORS PRECISION CNC

CNC MACHINING ONE-STEP SOLUTIONS



Top price/performance ratio
High-quality components
Numerous options

SYNTEC • LNC

SIEMENS • HEIDENHAIN • FANUC • MITSUBISHI



CNC Engraving Milling Machine



High Speed CNC Milling



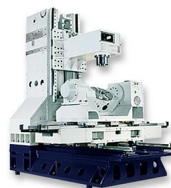
VMC (Vertical CNC Milling Center)



CNC Tapping & Drilling Center



Double Column CNC Milling Machine/Center



Vertical 5 Axis Machine With Tilting & Rotary Table



Double Column 5 Axis CNC With Bi-Rotary Head

THK

KENTURN

YASKAWA America

EUCHNER
More than safety.

deta International

Schneider Electric

FAG



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COMPANY PROFILE

Q U E S T F O R E X C E L L E N C E



OUR STRENGTH

After more than 20 years development, Nowsdays "MAXTORS" has been the TOP quality machines' signal in China. MAXTORS also has been recognized as Chinese Famous Brand, our products has passed CE Certificate, enjoyed a good reputation from our customers, if have demand, welcome you at any time. Service for you 365×24h.





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High Speed CNC Milling Machine/Machining Center

GT-1311

SMALL GANTRY TYPE MACHINE CENTER

- Small Size Double Column CNC Milling Machine/Machining Center.
- Fast speed, Spindle standard HSK-A63 15000rpm. higher speed optional.
- Three Linear rails for fast movement.
- Best choice for mold high speed + high precision machining.



MT-870



- Middle Speed Machining Center.
- Double Column type, more better than Vertical type (VMC).
- 3 Axis Linear rails, fast feeding.
- Standard FANUC-0i MF CNC Controller.
- Meehanite Casting.
- Excellent Performance.



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| Item | Unit | GT-665 | GT-870 | GT-1190 | GT-1311H | GT-1612 | GT-1713 | GT-2215 | GT-2616 |
|-------------------------|-------|--------------|------------|------------|------------|------------|------------|------------|------------|
| Travel | | | | | | | | | |
| X Axis Travel | mm | 650 | 800 | 1100 | 1300 | 1600 | 1700 | 2200 | 2600 |
| Y Axis Travel | mm | 600 | 700 | 900 | 1100 | 1200 | 1300 | 1500 | 1580 |
| Z Axis Travel | mm | 260 | 400 | 600 | 600 | 580 | 700 | 800 | 800 |
| Spindle Nose to Table | mm | 130-390 | 150-550 | 150-750 | 150-750 | 240-820 | 250-950 | 150-950 | 350-1150 |
| Distance between Column | mm | 700 | 850 | 1060 | 1200 | 1350 | 1350 | 1580 | 1620 |
| Worktable | | | | | | | | | |
| Worktable Size | mm | 600×600 | 800×700 | 1200×900 | 1300×1000 | 1600×1200 | 1700×1200 | 2200×1480 | 2600×1480 |
| Max.Loading on Table | KG | 300 | 600 | 1000 | 2000 | 2000 | 3000 | 6000 | 8000 |
| Feed System | | | | | | | | | |
| XYZ Rapid Feed | m/min | 7.5/7.5/7.5 | 10/10/7.5 | 20/15/10 | 15/15/7.5 | 15/15/7.5 | 15/15/7.5 | 15/15/7.5 | 15/15/7.5 |
| Cutting Feed | m/min | 6 | 6 | 10 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| Accuracy | | | | | | | | | |
| Positioning Accuracy | mm | ±0.008/300 | ±0.008/300 | ±0.008/300 | ±0.008/300 | ±0.008/300 | ±0.008/300 | ±0.008/300 | ±0.008/300 |
| Re-Positioning Accuracy | mm | ±0.005/300 | ±0.005/300 | ±0.005/300 | ±0.005/300 | ±0.005/300 | ±0.005/300 | ±0.005/300 | ±0.005/300 |
| Spindle | | | | | | | | | |
| Spindle Speed | rpm | 30000 | 15000 | 15000 | 15000 | 15000 | 15000 | 15000 | 15000 |
| Spindle Taper | | BT30/HSK-E40 | HSK-A63 | HSK-A63 | HSK-A63 | HSK-A63 | HSK-A63 | HSK-A63 | HSK-A63 |
| Others | | | | | | | | | |
| Footprint | mm | 2000×1700 | 2600×2500 | 3100×2550 | 3800×2550 | 4300×2600 | 5000×2700 | 6000×3000 | 6800×3000 |
| Machine Height | mm | 2300 | 2600 | 2900 | 3000 | 3000 | 3200 | 3300 | 3500 |
| Machine Weight | KG | 3200 | 5000 | 8000 | 10500 | 11000 | 16000 | 18000 | 23500 |
| CNC Controller | | FANUC | | | | | | | |



Maxtors

Ningbo Maxtors CNC Machinery Co.,Ltd.

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Standard Configuration

- Double Column Type
- HSK A63 15000RPM High Speed Spindle
(GT-665 BT30 30000RPM Spindle)
- Spindle coolant nozzle system
- Spindle Oil Chiller
- XYZ Axis Linear rails
- XYZ Axis Servo Motor
- Telescopic covers for 3 axis
- Fully Enclosed Splash Guard
- Air Conditioner for Electrical Cabinet
- Data transfer interface
- Automatic lubrication system
- Cutting Coolant system
- LED working lamp
- End of program light
- Portable Electronic handwheel (MPG)
- Tool box
- Leveling bolts and blocks
- Cutting air blast system
- CNC Manual & Operation Manual
- Screw type Chip Conveyor system
(GT-665/870 Without it)
- Safety door
- Transformer(According to Local Voltage)
- FANUC CNC Controller

Optional Configuration

- Others Speed Spindle
- Coolant Through Spindle (CTS)
- ATC/Tool Magazine system
- Chain type Chip Conveyor system
- The 4th axis rotary table
- The 5th axis Tilting & Rotary table
- 5th axis Bi-Rotary Milling Head
- Linear Scale
- Auto.Tool Measuring system
- Auto.Workpiece Measuring system
- Machine Column Heighten
- LNC/Syntec/Maxtors CNC Controller
- Mitsubishi/Siemens/Heidenhain CNC Controller
- Others Options as requested



RELATED PRODUCTS



5 AXIS GANTRY CNC

- 5 Axis Simultaneous Movement.
- Famous CNC Controller you can choose.
- XYZ Linear Rails feed moving.
- ATC Opt.

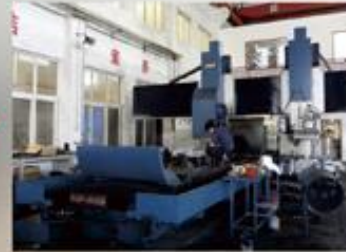
Portal / Gantry / Double Column type CNC Machining Center Standard Production Process



Machine Casting



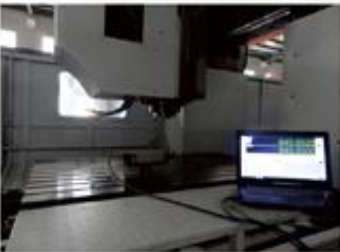
Machine Base Milling Processing



Worktable Grinding



Machine Base Assembling



Laser Interferometer Detection



Machine Assembling



Mechanical Assembling



Machine Beam Assembling

Higher Rigidity than Vertical type.

- ◎ Double Column Type better than vertical (C) Type. good rigidity, more stable and better accuracy.
- ◎ Short throat deep (distance between column guide rail surface and spindle), it can avoid the shake of ferrous metal cutting.

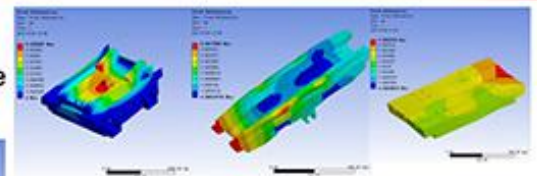
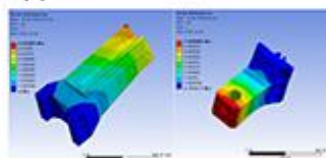


Worktable Fully Supported

- ◎ Gantry type with higher stability than C type.

Machine body FEA

- ◎ Computer optimal design guarantee integral rigidity with compact structure
- ◎ All casting pass finite-element analysis (FEA) test, every part carrying capability is under reasonable scope
- ◎ Rational design to ensure rigidity
- ◎ Finite element analysis (FEA)
- ◎ Guarantee casting mechanical property



Good Drive System.

- ◎ Famous brand Linear guide rails can fast feeding.
- ◎ Famous brand ballscrew, are used direct drive system and prestretching with preload. This kind of design guarantee dynamic rigidity and increase positioning accuracy.



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Carefully Test Ensure Good Quality



Quality Assurance

Before Leaving the plant,all Our CNC Machine is subjected to more than 100 quality-assurance test,These tests provide a certified paper trail of quality for every component throught the entire assembly process.After assembly all Our CNC Machines are tested for 24 hours of actual running time to assure quality is built into every machine we make,Our assurance of quality follows every machine from the shipping from our plant,to the arrival and installation at yours.

High Precision CNC Equipments

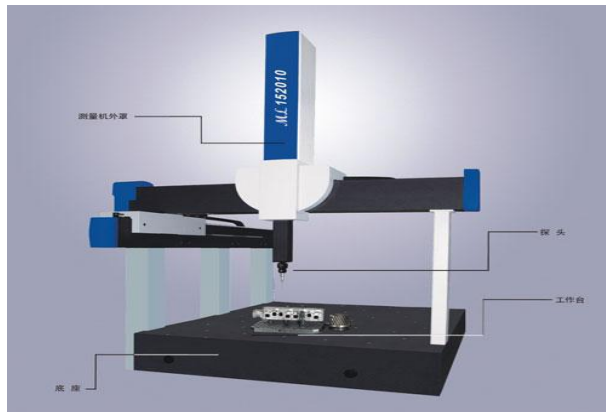
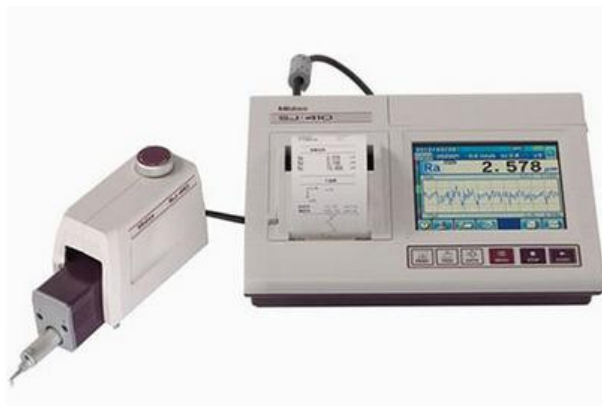


KURAKI Horizontal Boring Miller



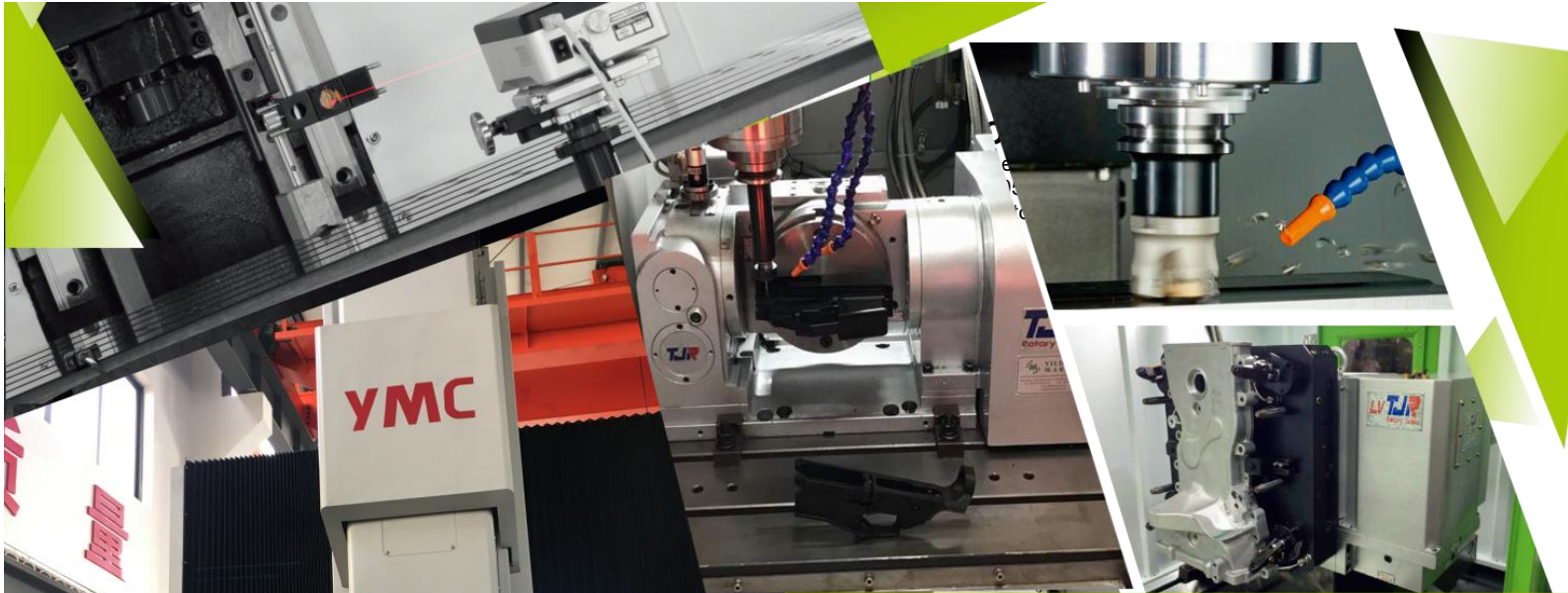
OKUMA 5-Faces Machining Center

**Machine tool quality guaranteed by
3-axis laser measuring& ball bar testing**



Quality Assurance

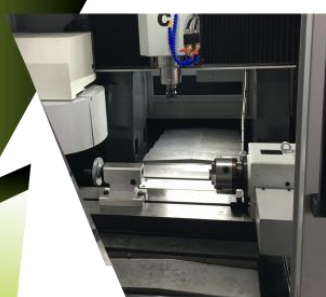
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OUR KNOW-HOW FOR YOUR BUSINESS

Technologie & Know-how

We think and plan the future already now. A growing in-house R&D department with experienced engineers which develop our machine concepts are our warrantor that we are prepared for the upcoming trends of the machine tools business. We are listening to the market. Flexibility in the matter of CNC controllers is for us a must, here we only go with the market leaders. Without any compromise!



CNC Controller Siemens

Siemens Sinumerik 828D

Turning and milling operations on standardized machines as well as functions for the easy automation of grinding machines – this where SINUMERIK 828D ADVANCED, SINUMERIK 828D and SINUMERIK 828D BASIC, with their unique CNC performance, set standards regarding productivity.

Milling on standardized machines – SINUMERIK 828 CNCs are setting the benchmark with their unique CNC performance.

Features

- ✓ Panel-based compact CNC
- ✓ Technologies: Turning, milling, grinding functions
- ✓ Up to 10 axes/spindles + 2 auxiliary axes
- ✓ Up to 2 machining channels
- ✓ 10.4" color display / 15.6" touch display
- ✓ S7-200 PLC based

Rugged

An operator panel front made of magnesium die cast, the panel-based CNC design with well-conceived interfaces, as well as the high degree of protection IP 65 make the SINUMERIK 828 controls a reliable partner even in harsh environments.

Maintenance-free

Thanks to the configuration without fan or hard disk and the NV-RAM storage technology without back-up battery, the SINUMERIK 828 controls are completely maintenance free.

Intelligent User-friendly

Thanks to a fully fledged QWERTY CNC keyboard with short stroke keys and a high-resolution 10.4" TFT color display / 15.6" touch display, the SINUMERIK 828 controls can be easily operated. The USB, CF card (only 10.4") and RJ45 interfaces on the operator panel front allow to quickly transfer the CNC data in an uncomplicated manner.

CNC Controller FANUC · Heidenhain



FANUC 0i MF

The CNC series 0i model F provides the ideal basic solution for multiple control applications. Ready to use, it boasts latest generation hardware and a complete package of standard software. To maximise productivity on more specific applications, it can be easily customised using a range of additional functions. Combining unbeatable value for money with unrivalled performance and reliability, it includes features and functions usually associated with high performance systems.

Key features:

- ✓ up to 12 axes, 6 spindle axes and 2 paths
- ✓ up to 2 additional loader paths
- ✓ 4-axis simultaneous and 3+2 axis machining
- ✓ ready to use with integrated software package
- ✓ excellent performance-to-cost ratio
- ✓ integrated FANUC Dual Check Safety function
- ✓ shop-floor programming via MANUAL GUIDE i or TURN MATE i
- ✓ additional functions for simple customisation
- ✓ integrated high-speed PMC
- ✓ high speed and high quality machining package
- ✓ maximum look-ahead blocks 400
- ✓ common operability, maintainability, network and PMC function with CNC Series 30i-MODEL B

Heidenhain TNC 620

The TNC 620 is compact and easy to read. The TNC 620 is a compact but versatile contouring control for up to five controlled axes. Thanks to its flexible operating concept—workshop-oriented programmability with HEIDENHAIN conversational programming or off line programming—and its scope of features, it is especially suited for use on universal milling, drilling and boring machines for the following:

- ✓ Series and single-part production
- ✓ Toolmaking Machine building
- ✓ Research and development
- ✓ Prototypes and pilot plants
- ✓ Repair departments
- ✓ Training and education facilities

Universal milling machines

- ✓ Free contour programming
- ✓ Milling cycles for complex contours
- ✓ Fast presetting with HEIDENHAIN touch probe

Drilling and boring machines

- ✓ Cycles for drilling, boring and spindle alignment
- ✓ Cycles for linear and circular point patterns



Optional Accessories

☐ Workpiece Measurement System

☐ RENISHAW OMP 40/60

☐ BLUM TC50

☐ HEIDENHAIN TS640

☐ Tool Measuring System

☐ RENISHAW TS27R

☐ BLUM Z3D

☐ HEIDENHAIN TT140

☐ Laser Tool Measuring System

☐ RENISHAW NC-4 ☐ BLUM NT

☐ Coolant Through Spindle

☐ 20 BAR ☐ 50 BAR ☐ 60 BAR

☐ Optical Linear Scale

☐ Oil/Fluid Separation Device

☐ Built-in Coolant Nozzles

☐ Spindle Oil Cooler System

☐ 4th Axis Rotary Table

☐ 4/5th Axis Rotary Table

☐ HEIDENHAIN Optical Encoder

☐ Germany ZF Gearbox

☐ Built-in Heavy Duty Gear Box

☐ Transformer

☐ Link Chain Type Chip Conveyor

☐ Screw Type Chip Conveyor

☐ Flushing System + Water Gun



RENISHAW Workpiece Measuring System



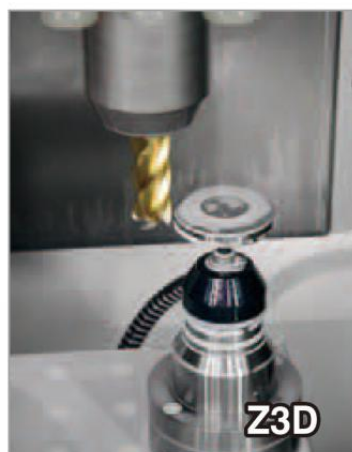
BLUM Workpiece Measuring System



HEIDENHAIN Workpiece Measuring System



RENISHAW Tool Measuring System



BLUM Tool Measuring System



HEIDENHAIN Tool Measuring System



Optical Linear Scale



Oil/Fluid Separation Device



Built-in Coolant Nozzles



Spindle Oil Cooler



4th Axis Rotary Table



4/5th Axis Rotary Table

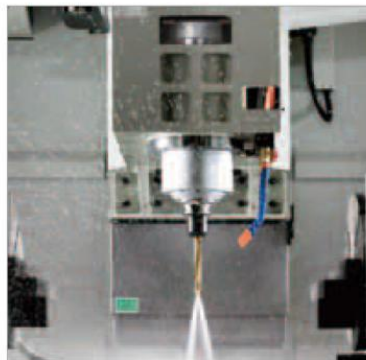


4/5th Axis Rotary Table



NC-4

RENISHAW Laser Tool Measuring System



CTS-Coolant Through Spindle



(20 BAR)



(60 BAR)



NT

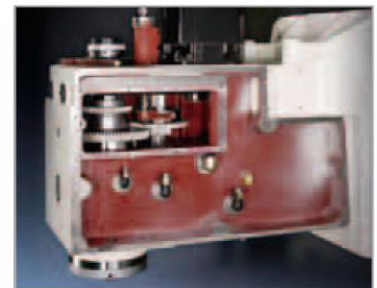
BLUM Laser Tool Measuring System



HEIDENHAIN Optical Encoder



Germany ZF Gearbox



Built-in Heavy Duty Gear Box



Transformer



Link Chain Type Chip Conveyor



Screw Type Chip Conveyor



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Scan to keep Maxtors
"Business Card"

Honors & Partners



CE(GT Series)

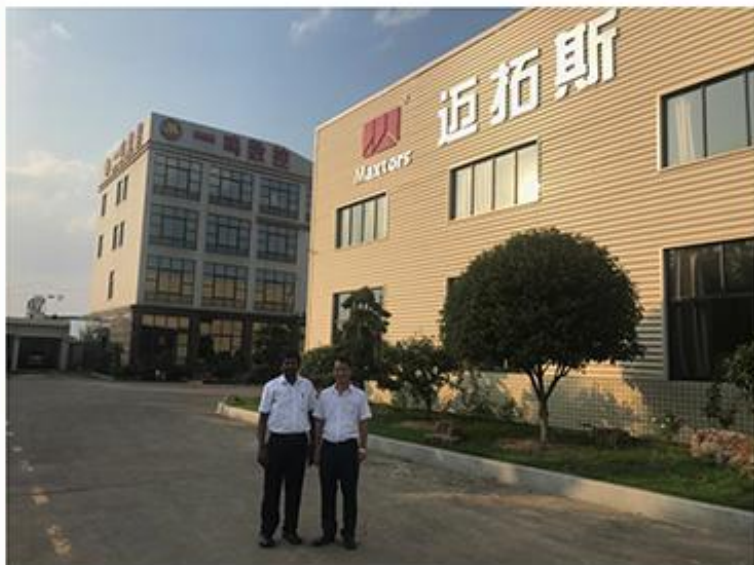
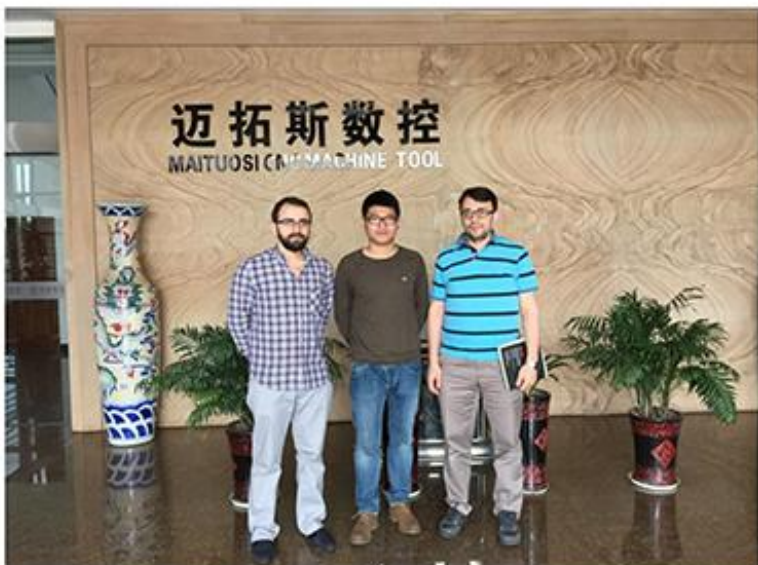
CE(YMC Series)

CQC

Patent Certificate

PARTNER BRAND





Customers



Training

Warmly Note:

Above design,specification and all information is only for reference.

We reserve the right to change without prior notice.