

Delta 6

Delta 8/12

CNC DOUBLE COLUMN MC



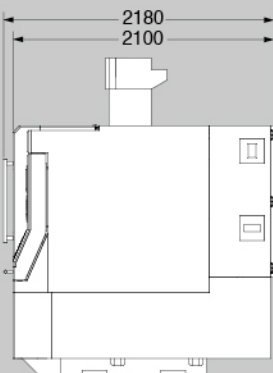
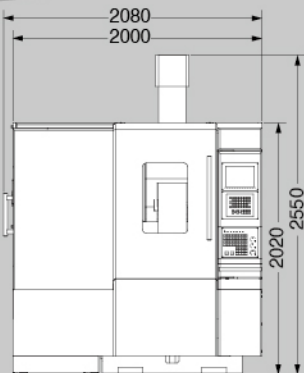
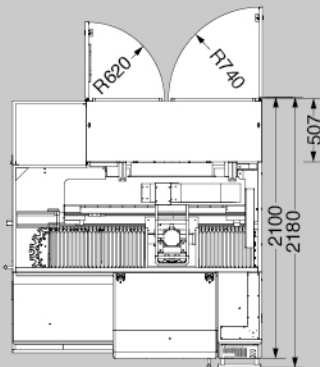
Pursuing
Customer Satisfaction
Is My Responsibility.



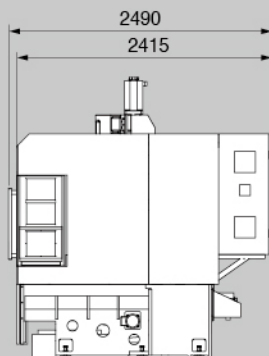
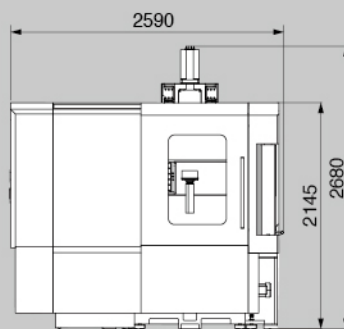
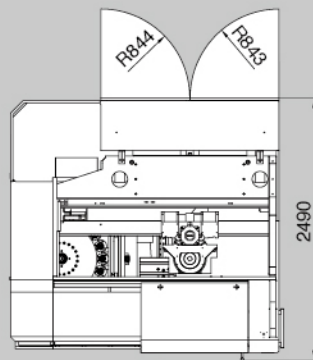
NUMEN
MACHINERY

CNC DOUBLE COLUMN MC

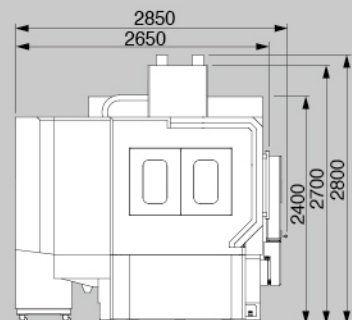
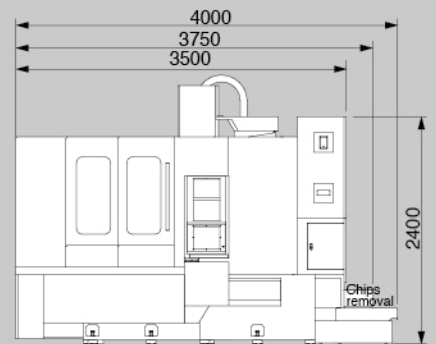
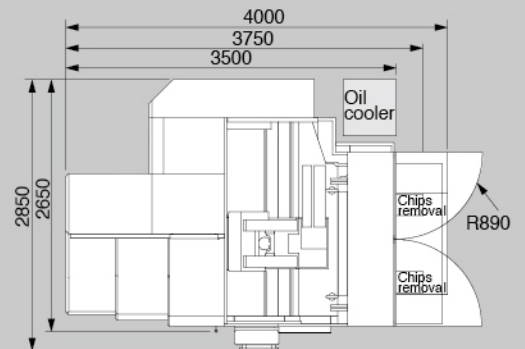
Delta 6



Delta 8



Delta 12



CNC DOUBLE COLUMN MC

Delta 6

Delta 8

Delta 12

			Delta 6	Delta 8	Delta 12
Table & Travel	Table Size	mm	600 x 550	950 x 660	1300 x 850
	T Slot (No. x W x Pitch)	mm	4 x 14 x 100	18 x 6 x 100	18 x 8 x 100
	Max. Loading	kgs	300	600	1000
	X Axis Travel	mm	600	850	1200
	Y Axis Travel	mm	550	700	850
	Z Axis Travel	mm	360	480	480
	Spindle Nose to Table	mm	130-510	150-630 / 180-660	150-630 / 180-660
Feedrate	Rapid Feed	m/min	30 / 30 / 24	36 / 36 / 36	
	Cutting Feed	m/min	20	20	
Spindle	Speed (Std.)	rpm	24000	16000	
	Speed (Opt.)	rpm	30000 / 36000	20000 / 24000 / 30000	
	Spindle Taper		HSK-E40	BBT40 / HSK-A63 (24K rpm) / HSK-E50 (30K rpm)	
	Power	Kw	10 / 13	BBT40: 15 / 18.5 (16000 rpm) BBT40: 18 / 23 (20000 rpm) HSK-A63: 18 / 23 HSK-E50: 11 / 18.5	
A.T.C.	Tool Shank		HSK-E40	BBT40 / HSK-A63 / HSK-E50	
	Tool Capacity		20	20	
	Max. Tool Length	mm	150	250	
	Max. Tool Diameter	mm	20	80	
	Max. Tool Weight	kgs	3	7	
X/Y/Z Servo Motor	X / Y / Z	Kw	1.6 / 1.6 / 1.6	4 / 4 / 4	
Positioning Accuracy		mm	0.005	0.005	
Repeat Accuracy		mm	0.004	0.004	
General	Width	mm	2080	2590	4000
	Depth	mm	2180	2490	2850
	Height	mm	2550	2680	2800
	Machine Weight	kgs	4000	8500	11000

1. Please contact us for more detailed specification.

2. NUMEN owns the rights to modify the drawing and specification.

Standard

- Fanuc Oi-MF Plus Controller
- 20T Disc Type ATC
- Full Enclosed Guarding
- Auto Grease Lube System
- Alarm Light
- Working Light
- Spindle Oil Cooler
- Heat Exchanger
- MPG
- Screw Type Chip Conveyor
- Rear Flush System

Option

- Fanuc 31i-MB Controller
- Siemens Controller
- Tool Length Measurement System
- Laser Tool Length Measurement System
- Work Piece Measurement System
- Coolant Through Spindle
- Heidenhain Digital Read Out
- Oil Mist Collector
- Oil / Air Cutting Facility
- Chain Type Chip Conveyor
- Graphite Cutting Facility

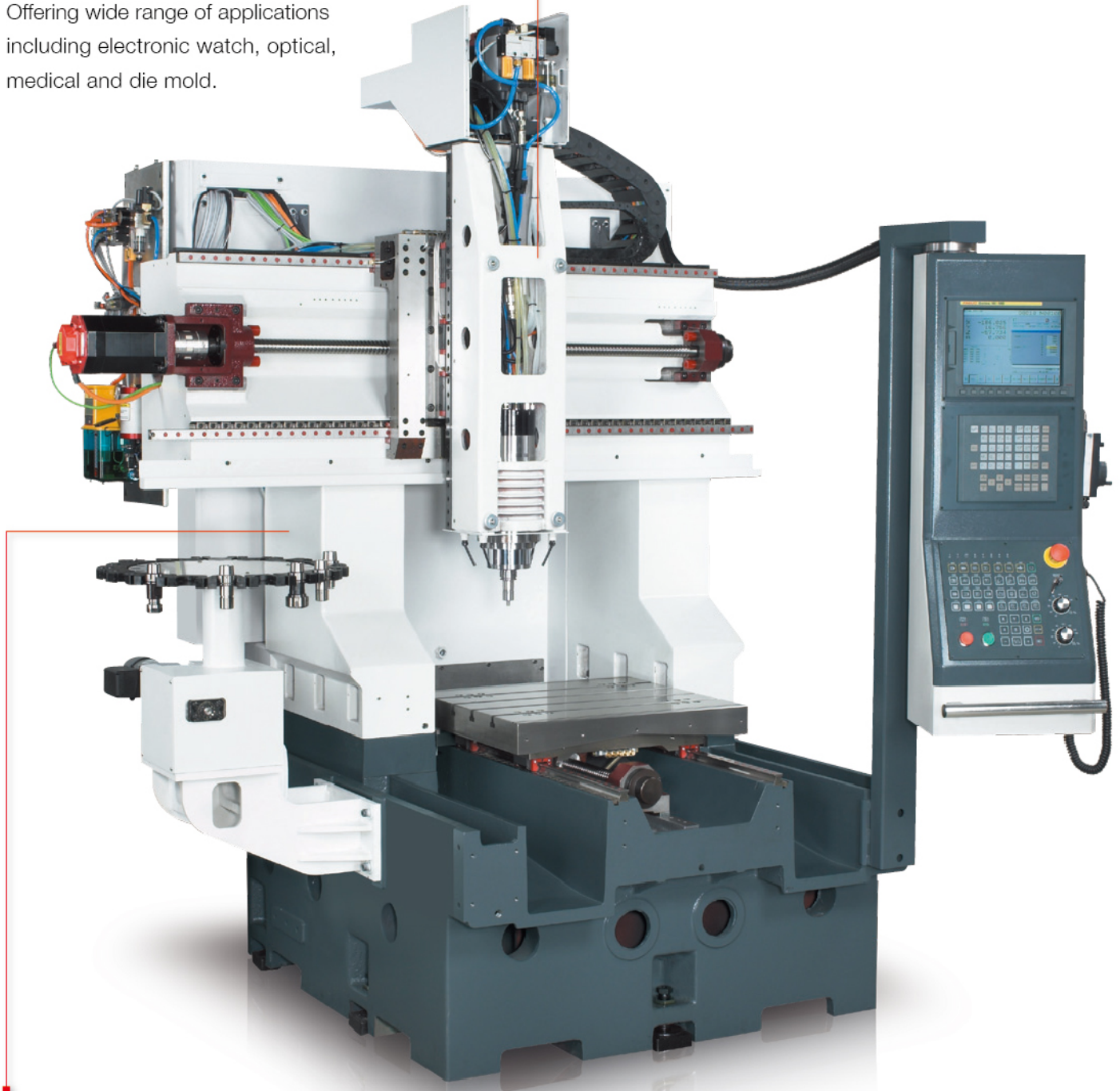
CNC DOUBLE COLUMN MC

Product Description

Delta 6 is designed in promotion the performance with contour accuracy, surface quality and productivity. Maximum dynamics, **Precision Performance Milling and HSC Machining** are accurately executed. Offering wide range of applications including electronic watch, optical, medical and die mold.

Feature

- 6 blocks on Z axis linear way to take more force from cutting.
- Extends tool life with **Low Vibrational** behavior.
- Humanized operation mode, to archive best performance.



Bridge Type Structure by One-piece Constructed

The bridge type structure machine frame is built with **High Quality Rigid Castings**. The machine can easily provide high contour finish and glossy surface.

CNC DOUBLE COLUMN MC

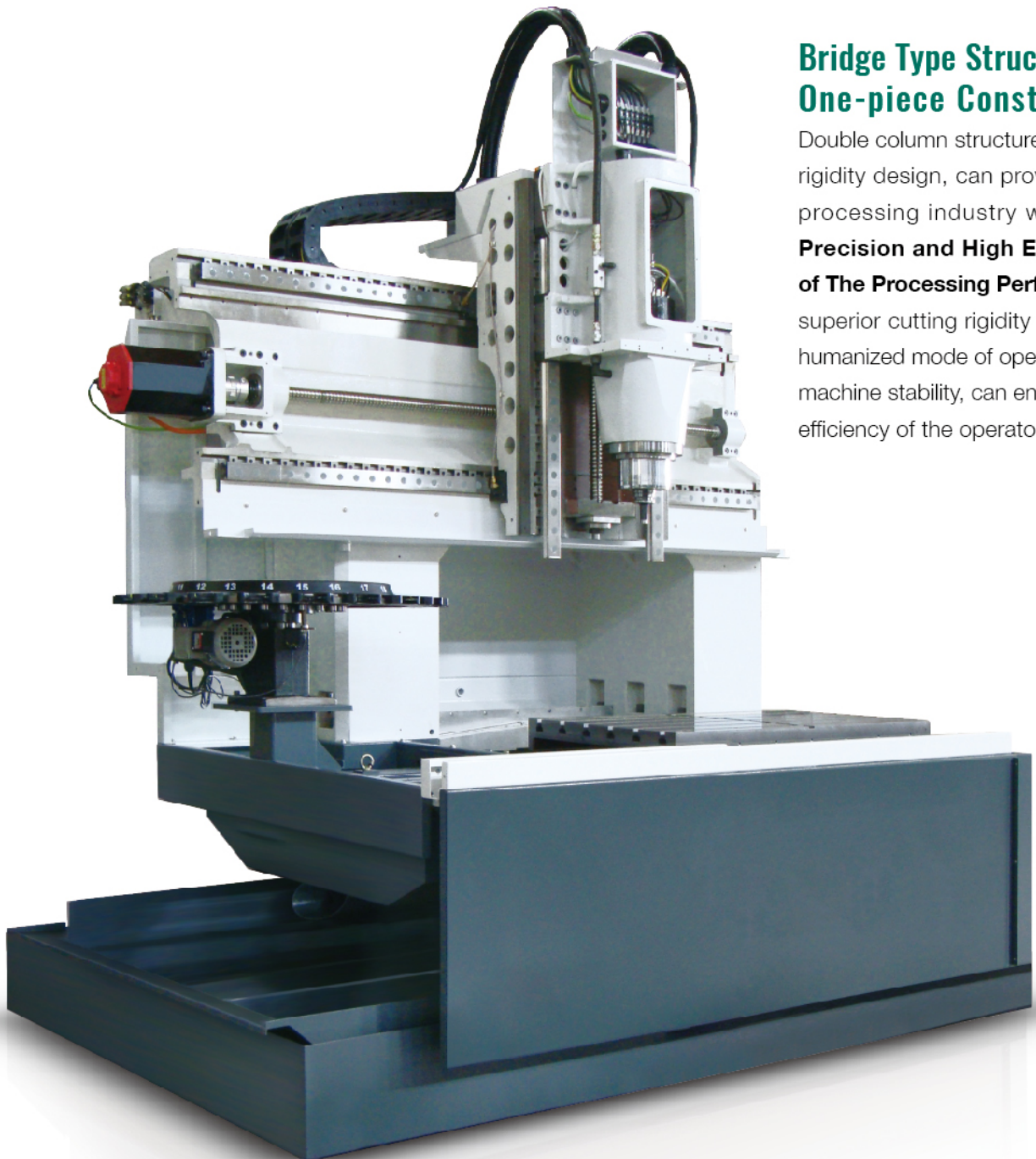
HUMANIZED MODE OF OPERATION

Feature

- Designed for mold making and precision parts machining.
- Emphasized rigidity structure and integration of mechanical & electrical, to upmost customer's productive efficiency.
- Unique single-piece casting for the double column & cross rail design.
- Column size up to **600 x 330 mm** to strengthen stability while speed cutting.

Bridge Type Structure by One-piece Constructed

Double column structure and high rigidity design, can provide mold processing industry with **High Precision and High Efficiency of The Processing Performance**, superior cutting rigidity and more humanized mode of operation and machine stability, can enhance the efficiency of the operator.

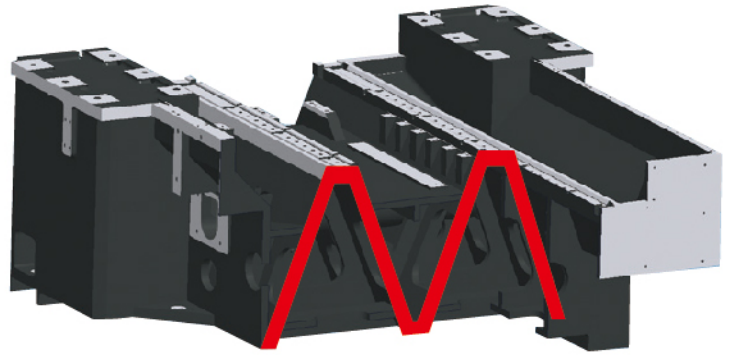


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CNC DOUBLE COLUMN MC

STRUCTURE OF MACHINE BASE

- Tri-Angulated 3-point footprint design of the base will keep a constant level states.
- **M-type Ribs Design** for machine base casting to offer much stability while cutting.

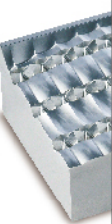


Delta 12

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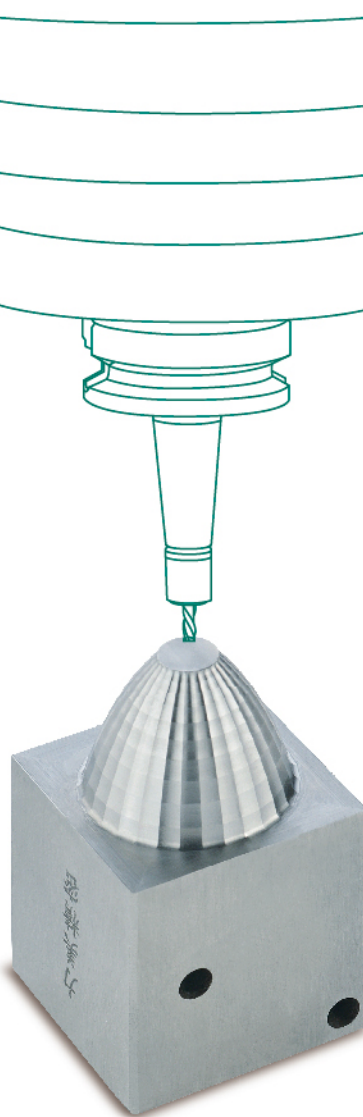
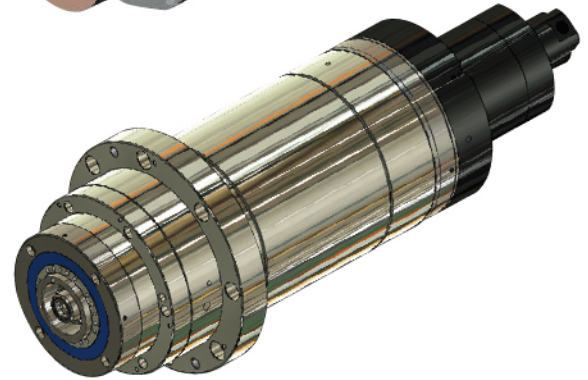
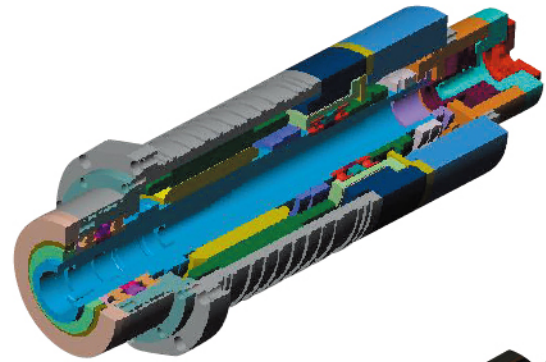
EASY FOR LOADING/ UNLOADING WORKPIECE

- Easy operation
- User friendly interface

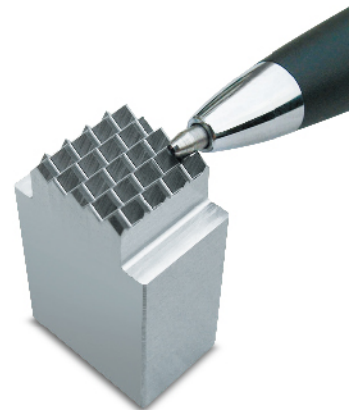
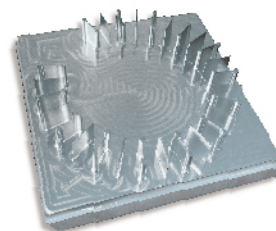
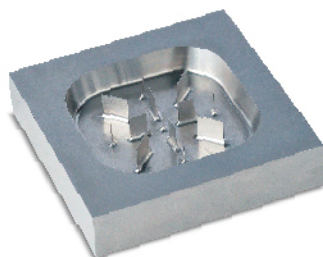
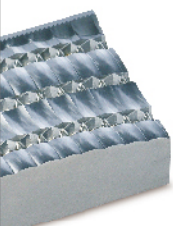


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BUILT-IN TYPE HIGH SPEED SPINDLE



- Powerful spindle motor driven by servo system with close loop control can feed-back any cutting condition to spindle motor, achieving to low speed-high torque & high speed-few vibration.
- Offer **Rigid Tapping Ability**.
- Oil-air lubrication retains stability during **High Speed and Prolong**.
- Oil-air lubrication connects with control system closely, and supplies different lubrication depending on different speed.
- 30 mins after spindle stop running, oil-air lubrication and air protection will shut down, to **Reduce Air Consumption, Prolong Filter Service Life**, and avoid oil drop from spindle nose.







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MACHINERY


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NUMEN is a manufacturer specialized in producing CNC high speed machining center. To achieve the utmost productive efficiency in mold industrial and parts machining, we always hold a steadfast belief in developing and researching for the better quality of our products. Through everlasting computerization and upgrading, we bear the best capability to satisfy our customers' needs and offer the highest class of service.