

MTE Series CNC Motor Driven Turret Punch Machine



The product photo is for reference only, exact product is subject to the actual quotation.

Features

- New type of servo motor driven turret punch machine.
- Enlarged space between turrets, convenient for special parts production.
- 38 work stations, more tooling choices.
- Follow-up worktable to decrease the resistance of sheet moving and reduce the scratches.
- Gear-rack drive, to realize high speed, high efficiency and high stability.

Specification	Unit	MTE-3018
Punch Force	kN	300
Max. Processing Sheet Size (with one reposition)	mm	1250×5000 1500×5000
Max. Processing Sheet Thickness	mm	3.2
Max. Punching Stroke	mm	40
Max. Punch Diameter per Once	mm	Φ88.9
No. of Station	No.	38
No. of Auto-index	No.	2
Hole Accuracy	mm	±0.1
Max. Sheet Moving Speed [sheet with 1mm thickness]	X axis	100
	Y axis	80
Max. Nibbling frequency	hpm	2000
Max. Punch Hit at 1mm pace & 4mm stroke	hpm	820
Max. Punch Hit at 25mm pace & 4mm stroke	hpm	450
Turret Rotating Speed	rpm	30
Cnc System	/	FANUC OI-PF
Controlling Axis	No.	5
Outline Dimension	mm	5340×5530×2360
		5840×5530×2360

The exact specifications and configuration are subject to the actual quotation.

MT Series CNC Single-Motor Driven Turret Punch Machine



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Features

- Energy saving as servo motor only works during punching.
- Single servo motor is the power source to bring faster punching speed.
- Featured with soft punch to reduce the noise pollution.
- The punching axis has a high positioning accuracy and is more suitable for precise forming process.

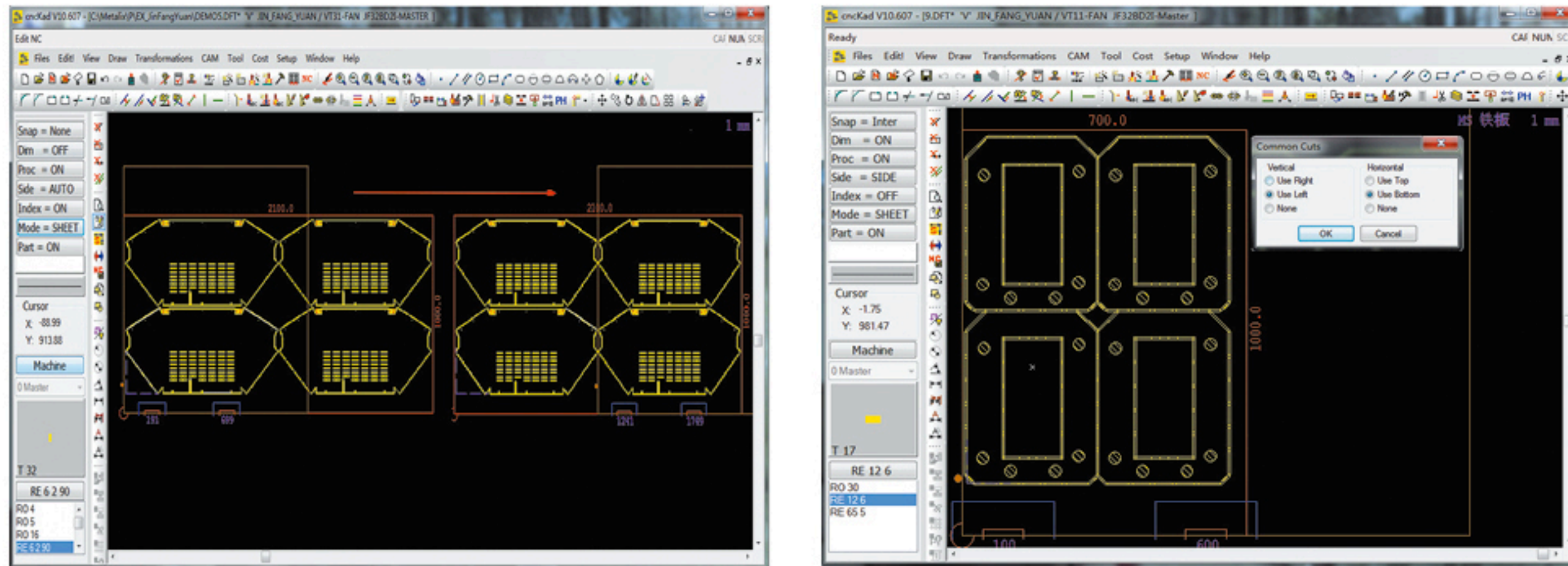
Specification	Unit	MT-300E	
Punch Force	kN	300	
Max. Processing Sheet Size (with one reposition)	mm	1250×5000 1500×5000	
Max. Processing Sheet Thickness	mm	300E-3.2 (Brush Worktable) / 6.35 (Ball & Brushed Mixed Table)	
Max. Punch Diameter per Once	mm	Φ88.9	
No. of Station	No.	32	
No. of Auto-index	No.	2	
Hole Accuracy	mm	±0.10	
Max. Sheet Moving Speed (sheet with 1mm thickness)	X axis	m/min	80
	Y axis	m/min	60
Max. Nibbling frequency	hpm	1850	
Max. Punch Hit at 1mm pace & 4mm stroke	hpm	780	
Max. Punch Hit at 25mm pace & 4mm stroke	X axis	hpm	400
	Y axis	hpm	320
Turret Rotating Speed	rpm	30	
Cnc System		FANUC	
Controlling Axis	No.	5	
Outline Dimension	mm	5350×5200×2360	
		5850×5200×2360	

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Software: cncKad

Efficiency and Stability

Customers can learn cncKad easily in a short time. CncKad is also very stable, supporting each process.
 For a 3D part, CAD drawing, Auto /Manual nest, Auto /Manual CAM, Created NC, Simulation and DNC; cncKad can support all these processes very well.



Auto Reposition

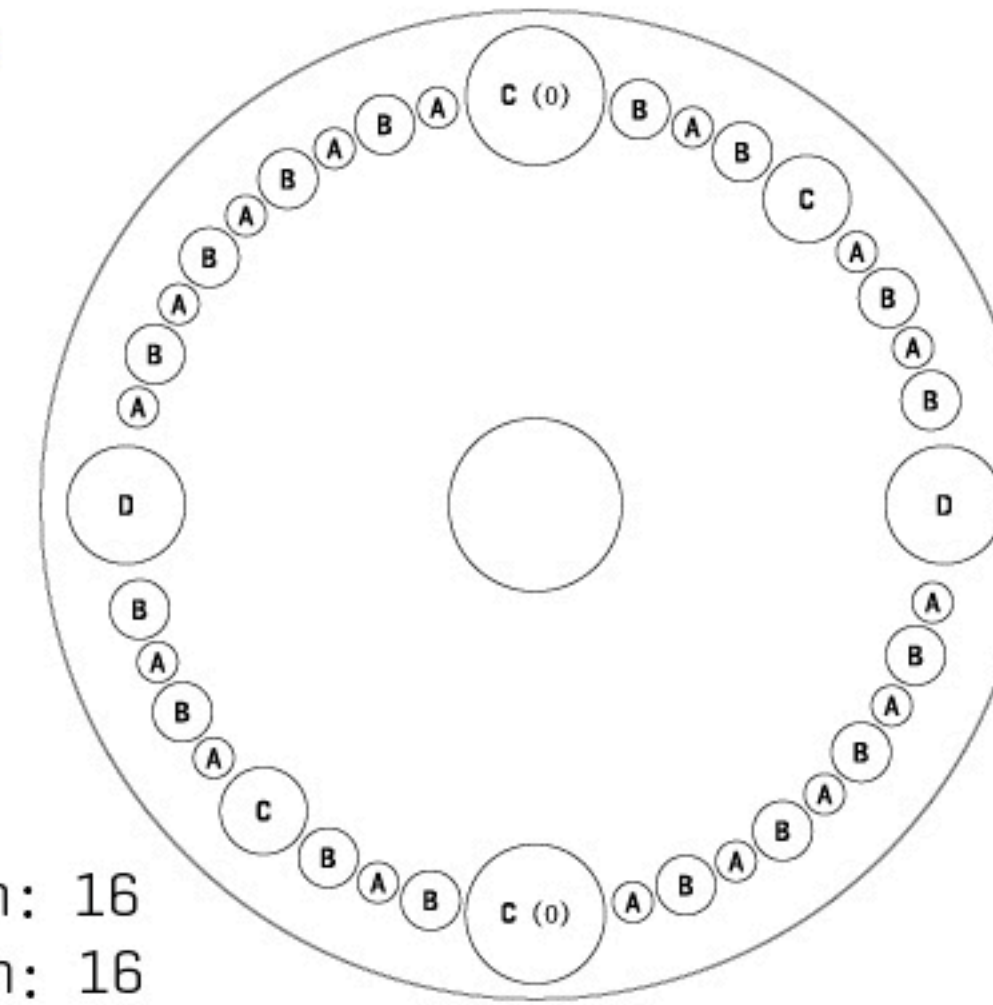
Common Cuts

cncKad Features List

.Predefined Sharp	.Auto creating micro-join
.Support machine with Smart Clamps	.Auto Calculate Reposition
.More easily Common cuts	.Support WW Tools and MT station
.Auto optimization processing path	.Power tools strategy
.Check and repair CAD	.Auto OR Manual features for CAM
.Professional CAM Edit strategy	.Perfect punch features
.3D files import [Option]	.Stable software architecture
.Powerful sheet material CAD	.DNC Module

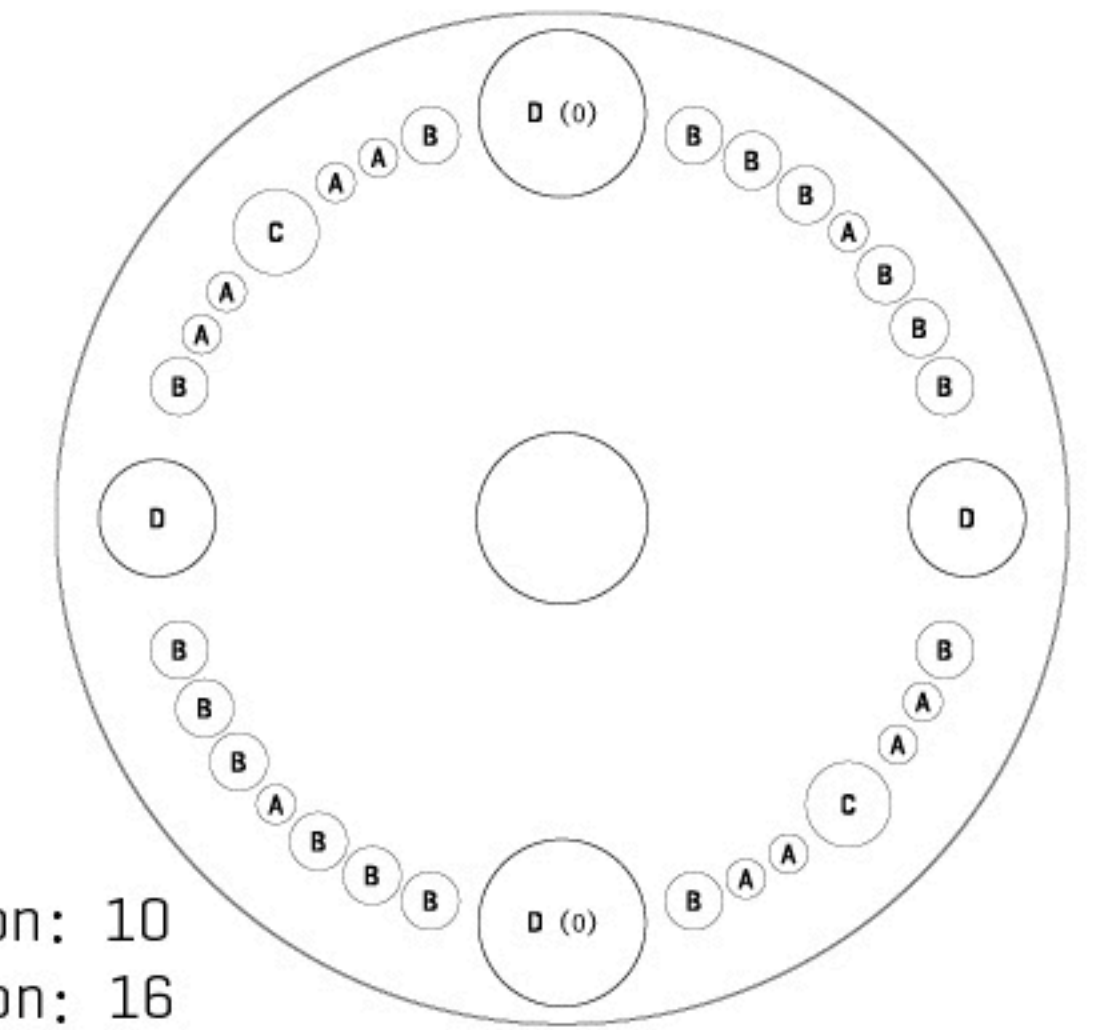
Turret configuration

MTE



- A Station: 16
- B Station: 16
- C Station: 2
- C (0)(auto index @ C): 2
- D Station: 2

MT



- A Station: 10
- B Station: 16
- C Station: 2
- D Station: 2
- D (0)(auto index @ D): 2

Standard Special Shape

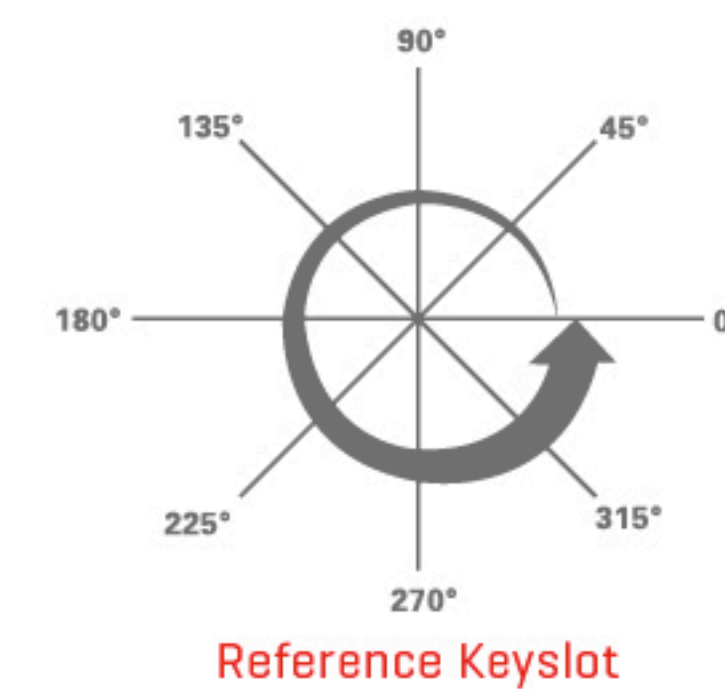
Trapezia	ET
OT	HX
SD	DD
LD	QD

Standard Shape

SQ	RE	RD	OB
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Reference Keyslot Direction

RE	OB	DD	SD
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CNC punch press loading and unloading unit

Part Details



LOUVER



THREADED HOLE EXTRUSION



LANCE AND FORMS



NIBBLING



MARKING



EXTRUSION



RIB



KNOCK-OUT



TWIN-BRIDGE



Features

- Ensure automatic processing and realize unmanned operation cycle.
- Modular designed loading & unloading, realize automation matching of all series of JFY CNC punch machine.
- High rigid truss combined with lightweight aluminum alloy drive components to achieve high speed and high dynamic robot motion.
- Synchronized running of loading & unloading system and sheet processing, greatly improved the machine utilization.
- Real-time monitoring of work status, fully control of machine information, and more convenient maintenance.
- More convenient for expand and applicate with storage system, optimize the production beat.