

***Dishaa***<sup>®</sup>

CNC MACHINE TOOL

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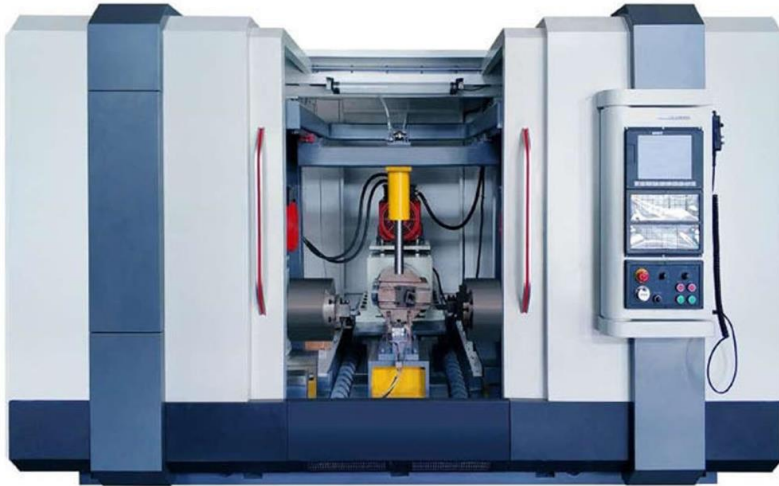
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# Automatic Three -head CNC Machine Tool

**Dishaa®**



Processing parts:



Workpiece: Gate Valve/Globe Valve/Butterfly Valve/Elbow/Tee etc.

Process: OD/Bevel/Surface/Step/Serration/Groove etc.

Range: DN50-DN600(Different machines cover different range)

## Introduction

- automatic three-head CNC machine tool, special designed for pump body / pipe fitting / valve automatic machining line. With exclusive patents, it can realize three heads turning&milling&boring simultaneously, the whole machining procedure is realized by machines and robots automatically without manual intervention.

## Advantages

- exclusive design patents to realize automatic operation
- The feed way of X axis on the drive head adopts the structure of motor + ball screw, with high precision, high strength and long service life
- Professional research and production team to control the core technology and quality from the source

## Options

- CNC system brand
- Coolant
- Automatic chip conveyor
- Half / Full protection cover

## Technical specifications and parameters

All the parameters are customized

ITEM		AX320	
Machining Range	Machining Diameter (mm)	0-320	
	X-axis Travel (mm)	110	
	Z-axis Travel (mm)	230	
Spindle	Tapper	1:20	
	Speed (r/min)	0-300	
	Motor Power (kw)	11	
	Connection	Cylindrical / Synchronous gear	
Feed	(mm/min) Rapid Traverse	X-axis	1200
		Z-axis	2000
	Motor Power (Nm)	X-axis	8
		Z-axis	27
	Speed (mm/min)	1-1000	
Re-position Precision	X-axis (mm)	±0.03	
	Z-axis (mm)	±0.03	

# Automatic Three-head Multiple Drilling Machine Tool

**Dishaa®**



Processing parts:



Workpiece: Gate Valve/Globe Valve/Butterfly Valve/Elbow/Tee etc.  
 Process: Multiple Drilling  
 Range: DN50-DN600(Different machines cover different range)

## Introduction

- automatic three-head multiple drilling machine tool, special designed for pump body / pipe fitting / valve automatic machining line. With exclusive patents, it can realize three heads drilling of all the holes simultaneously, the whole machining procedure is realized by machines and robots automatically without manual intervention.

## Advantages

- exclusive design patents to realize automatic operation
- Multiple drilling&tapping design, efficiency is increased dozens of times
- Professional research and production team to control the core technology and quality from the source

## Options

- Coolant
- Automatic chip conveyor
- Full protection cover

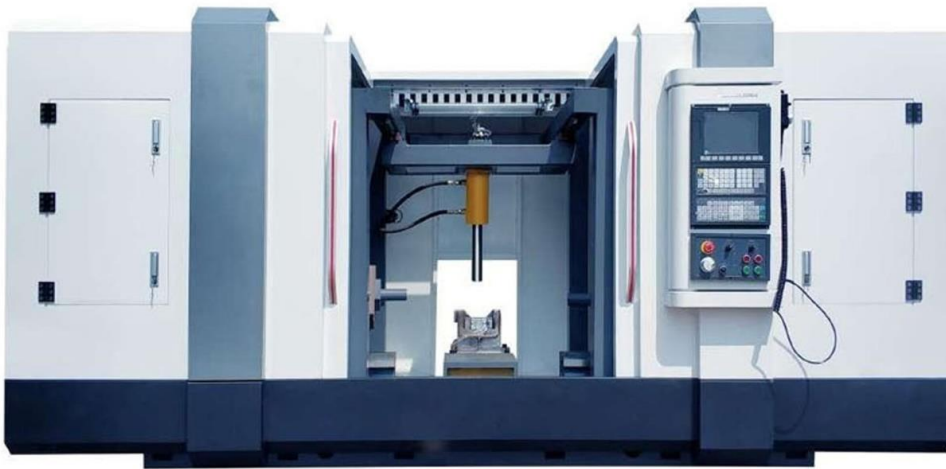
## Technical specifications and parameters

All the parameters are customized

ITEM		AZ320
Machining Range	Base Model	DN50-DN150
	Max. PCD (mm)	Φ295-12
	Min. PCD (mm)	Φ90-4
Spindle	Speed (r/min)	170/260
	Motor Power (kw)	4
	Connection	Cylindrical Gear
Drill	Standard Drill Stem	Morse No.2
	Hole Diameter (mm)	8-26
Positioning Precision	Rapid Forward (mm)	±0.05
	Rapid Backward (mm)	±0.05
Re-osition Precision	Rapid Forward (mm)	±0.03
	Rapid Backward (mm)	±0.03

# Automatic Two-head CNC Machine Tool

**Dishaa®**



Processing parts:



Workpiece: Gate Valve  
 Process: Seal Seat  
 Range: DN50-DN600(Different machines cover different range)

## Introduction

● automatic two-head CNC machine tool, special designed for pump body / pipe fitting / valve automatic machining line. With exclusive patents, it can realize two heads turning&milling&boring simultaneously, the whole machining procedure is realized by machines and robots automatically without manual intervention.

## Advantages

● exclusive design patents to realize automatic operation  
 The feed way of X axis on the drive  
 ● head adopts the structure of motor + ball screw, with high precision, high strength and long service life  
 Professional research and  
 ● production team to control the core technology and quality from the source

## Options

● CNC system brand  
 ● Coolant  
 ● Automatic chip conveyor  
 ● Half / Full protection cover

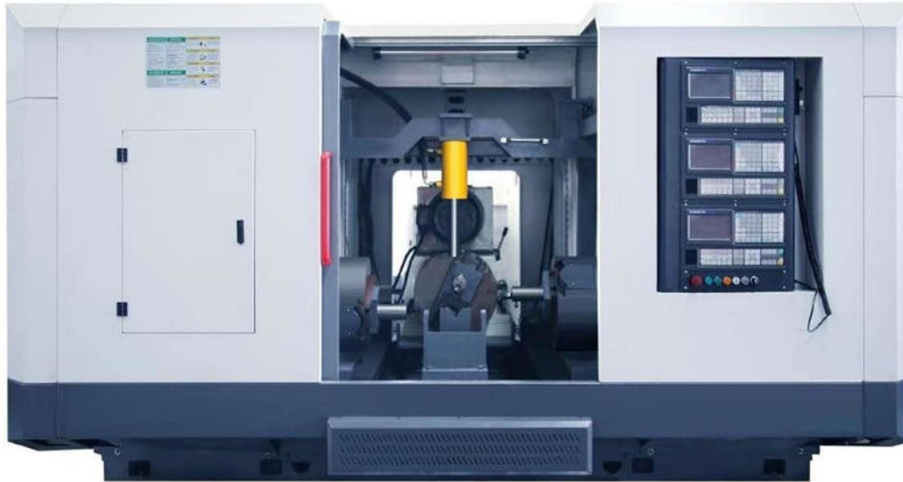
## Technical specifications and parameters

All the parameters are customized

ITEM		AX220	
Machining Range	Machining Diameter (mm)	0-320	
	X-axis Travel (mm)	110	
	Z-axis Travel (mm)	460	
Spindle	Tapper	1:20	
	Speed (r/min)	0-300	
	Motor Power (kW)	11	
	Connection	Cylindrical / Synchronous gear	
Feed	(mm/min) Rapid Traverse	X-axis	1200
		Z-axis	2000
	Motor Power (Nm)	X-axis	8
		Z-axis	27
	Speed (mm/min)	1-1000	
Re-position Precision	X-axis (mm)	±0.03	
	Z-axis (mm)	±0.03	

# Three-head CNC Machine Tool

**Dishaa®**



Processing parts:



Workpiece: Gate Valve/Globe Valve/Butterfly Valve/Elbow/Tee etc.  
 Process: OD/Bevel/Surface/Step/Serration/Groove etc.  
 Range: DN50-DN600(Different machines cover different range)



## Introduction

● three-head CNC machine tool is special purpose machine tool for pump body / pipe fitting / valve machining. With exclusive patents, it can realize three heads turning&milling&boring simultaneously and promote the standardization, efficiency and automation of pump / pipe / valve industry.

## Advantages

● exclusive design patents to ensure high stability and efficiency  
 ● The feed way of X axis on the drive head adopts the structure of motor + ball screw, with high precision, high strength and long service life  
 ● Professional research and production team to control the core technology and quality from the source

## Options

● CNC system brand  
 ● Coolant  
 ● Automatic chip conveyor  
 ● Half / Full protection cover

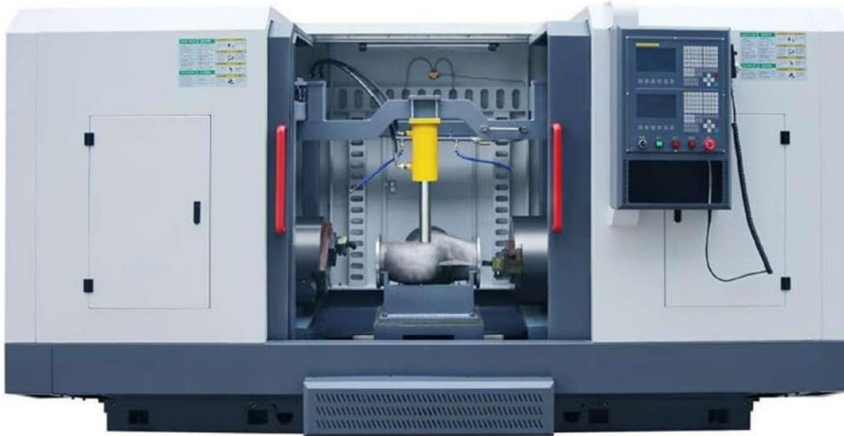
## Technical specifications and parameters

All the parameters are customized

ITEM		X330	
Machining Range	Drive Head Diameter ( mm )	Φ400	
	Max.Load Length ( mm )	Φ600	
	Max.Machining Length ( mm )	Φ460	
Spindle	Spindle Center Height ( mm )	Φ385	
	Motor Power ( kw )	5.5	
	Spindle Speed ( r/min )	110/140/190	
Feed	( mm/min ) Rapid Traverse	X Axis	3000
		Z Axis	3000
Travel	X Axis / Z Axis ( mm )	150 / 350	
Re-position Accuracy	X Axis / Z Axis ( mm )	0.01 / 0.015	
Others	Power	AC 380V	
	Lubrication	Electronic Lubrication Pump	
	Fixture	Hydraulic Cylinder	
	Weight ( kg )	5400	
	Dimension (mm)	3600×2300×2000	

# Two-head CNC Machine Tool

**Dishaa®**



Processing parts:



Workpiece: Gate Valve/Globe Valve/Butterfly Valve/Strainer/Tee etc.  
 Process: OD/Bevel/Surface/Step/Serration/Groove etc.  
 Range: DN50-DN600(Different machines cover different range)

## Introduction

● two-head CNC machine tool is special purpose machine tool for pump body / pipe fitting / valve machining. With exclusive patents, it can realize three heads turning&milling&boring simultaneously and promote the standardization, efficiency and automation of pump / pipe / valve industry.

## Advantages

- exclusive design patents to ensure high stability and efficiency
- The feed way of X axis on the drive head adopts the structure of motor + ball screw, with high precision, high strength and long service life
- Professional research and production team to control the core technology and quality from the source

## Options

- CNC system brand
- Coolant
- Automatic chip conveyor
- Half / Full protection cover

## Technical specifications and parameters

All the parameters are customized

ITEM		X230	
Machining Range	Drive Head Diameter ( mm )	Φ400	
	Max.Load Length ( mm )	Φ600	
	Max.Machining Length ( mm )	Φ460	
Spindle	Spindle Center Height ( mm )	Φ385	
	Motor Power ( kw )	5.5	
	Spindle Speed ( r/min )	110/140/190	
Feed	( mm/min ) Rapid Traverse	X Axis	3000
		Z Axis	3000
Travel	X Axis / Z Axis ( mm )	150 / 350	
Re-position Accuracy	X Axis / Z Axis ( mm )	0.01 / 0.015	
Others	Power	AC 380V	
	Lubrication	Electronic Lubrication Pump	
	Fixture	Hydraulic Cylinder	
	Weight ( kg )	3400	
	Dimension (mm)	3400×2000×1800	

# 45° Two-head CNC Machine Tool



Processing parts:



**Workpiece:** Elbow Fittings etc.  
**Process:** OD/Bevel/Surface/Step/Serration/Groove etc.  
**Range:** DN50-DN600(Different machines cover different range)

## Introduction

- two-head CNC machine tool is special purpose machine tool for pump body / pipe fitting / valve machining. With exclusive patents, it can realize two heads turning&milling&boring simultaneously and promote the standardization, efficiency and automation of pump / pipe / valve industry.

## Advantages

- exclusive design patents to ensure high stability and efficiency
- The feed way of X axis on the drive head adopts the structure of motor + ball screw, with high precision, high rigidity and long service life
- Professional research and production team to control the core technology and quality from the source

## Options

- CNC system brand
- Coolant
- Automatic chip conveyor
- Half / Full protection cover

## Technical specifications and parameters

All the parameters are customized

ITEM	X230
Voltage	380AC
Main Motor Power (kw)	5.5 x 2
Spindle Speed (r/min)	110 140 190 Stepsless adjustment as choice
Spindle Nose To Worktable (mm)	385
Max.Machining Length (mm)	600
Max.Machining Diameter (mm)	460
X Axis Travel (mm)	150
Z Axis Travel (mm)	350
Max.Rapid Traverse (mm/min)	3000
Re-position Precision	0.01
Fixture	Hydraulic Clamp
CNC System	HDMT
Lubrication	Electronic Lubrication Pump
Weight ( kg )	3800
Dimension (mm)	3400x2000x1800

# Single-head CNC Machine Tool

**Dishaa®**



Processing parts:



**Workpiece:** Gate Valve/Globe Valve/Butterfly Valve/Stainer/Hydrant etc.

**Process:** OD/Bevel/Surface/Step/Serration/Groove etc.

**Range:** DN50-DN600(Different machines cover different range)

## Introduction

- single-head CNC machine tool is special purpose machine tool for pump body / pipe fitting / valve machining. With exclusive patents, it can realize three heads turning&milling&boring simultaneously and promote the standardization, efficiency and automation of pump / pipe / valve industry.

## Advantages

- exclusive design patents to ensure high stability and efficiency
- The feed way of X axis on the drive head adopts the structure of motor + ball screw, with high precision, high strength and long service life
- Professional research and production team to control the core technology and quality from the source

## Options

- CNC system brand
- Coolant
- Automatic chip conveyor
- Half / Full protection cover

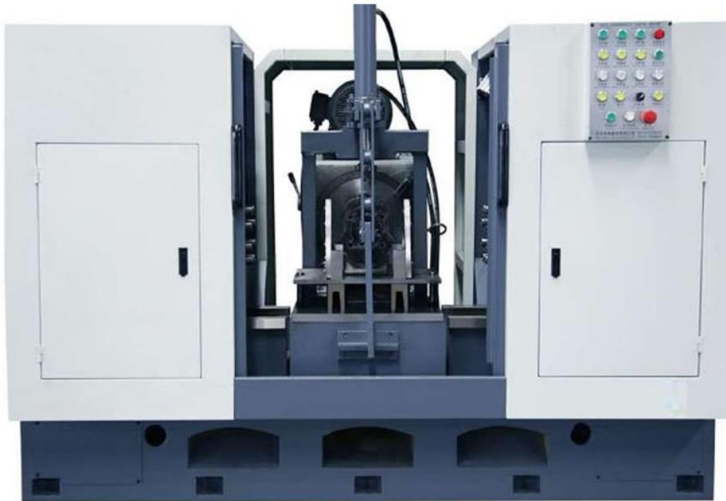
## Technical specifications and parameters

All the parameters are customized

ITEM		X130	
Machining Range	Drive Head Diameter ( mm )	Φ400	
	Max.Load Length ( mm )	Φ600	
	Max.Machining Length ( mm )	Φ460	
Spindle	Spindle Center Height ( mm )	Φ385	
	Motor Power ( kw )	5.5	
	Spindle Speed ( r/min )	110/140/190	
Feed	( mm/min ) Rapid Traverse	X Axis	3000
		Z Axis	3000
Travel	X Axis / Z Axis ( mm )	150 / 350	
Re-position Accuracy	X Axis / Z Axis ( mm )	0.01 / 0.015	
Others	Power	AC 380V	
	Lubrication	Electronic Lubrication Pump	
	Fixture	Hydraulic Cylinder	
	Weight ( kg )	2400	
	Dimension (mm)	2000×2000×1800	



# Three- head Multiple Drilling Machine tool



## Processing parts:



**Workpiece:** Gate Valve/Globe Valve/Butterfly Valve/Elbow/Tee etc.  
**Process:** Multiple Drilling  
**Range:** DN50-DN600(Different machines cover different range)

### Introduction

● three-head multiple drilling machine tool is special purpose machine tool for pump body / pipe fitting / valve machining. With exclusive patents, it can realize three heads drilling of all the holes simultaneously and promote the standardization, efficiency and automation of pump / pipe / valve industry.

### Advantages

- Multiple drilling design, efficiency is increased dozens of times
- Replaceable drilling drive head, easy to use and maintain, has high rigidity and long lifetime
- Professional research and production team to control the core technology and quality from the source

### Options

- CNC / Hydraulic
- Coolant
- Automatic chip conveyor
- Full protection cover

### Technical specifications and parameters

All the parameters are customized

ITEM		Z320	Z330
Machining Range	PCD ( mm )	60-295	295-410
	Length of Workpiece ( mm )	Φ400	Φ500
	Motor Power ( Kw )	5.5	11
	Spindle Speed ( r/min )	270/350	200/300
Drive Head	Standard Drill	Morse No.2	Morse No.3
	Hole Diameter ( mm )	8-23	18-28
Feed	Feed Way ( m/min )	Hydraulic Cylinder	Hydraulic Cylinder
	Feed Speed ( m/min )	Stepless	Stepless
	Travel ( mm )	380	420
Others	Power	380V AC	380V AC
	Lubrication	Electronic Lubrication Pump	Electronic Lubrication Pump
	Fixture	Hydraulic Cylinder	Hydraulic Cylinder
	Weight ( kg )	4200	5200
	Dimension (mm)	3200×2400×1800	3600×2500×1900

# Two-head Multiple Drilling machine Tool



Processing parts:



**Workpiece:** Gate Valve/Globe Valve/Butterfly Valve/Strainer/Ball Valve etc.

**Process:** Multiple Drilling

**Range:** DN50-DN600(Different machines cover different range)

## Introduction

● two-head multiple drilling machine tool is special purpose machine tool for pump body / pipe fitting / valve machining. With exclusive patents, it can realize three heads drilling of all the holes simultaneously and promote the standardization, efficiency and automation of pump / pipe / valve industry.

## Advantages

- Multiple drilling design, efficiency is increased dozens of times
- Replaceable drilling drive head, easy to use and maintain, has high rigidity and long lifetime
- Professional research and production team to control the core technology and quality from the source

## Options

- CNC / Hydraulic
- Coolant
- Automatic chip conveyor
- Full protection cover

## Technical specifications and parameters

All the parameters are customized

ITEM		Z220	Z230
Machining Range	PCD ( mm )	60-295	295-410
	Length of Workpiece ( mm )	Φ400	Φ500
	Motor Power ( Kw )	5.5	11
	Spindle Speed ( r/min )	270/350	200/300
Drive Head	Standard Drill	Morse No.2	Morse No.3
	Hole Diameter ( mm )	8-23	18-28
Feed	Feed Way ( m/min )	Hydraulic Cylinder	Hydraulic Cylinder
	Feed Speed ( m/min )	Stepless	Stepless
	Travel ( mm )	380	420
Others	Power	380V AC	380V AC
	Lubrication	Electronic Lubrication Pump	Electronic Lubrication Pump
	Fixture	Hydraulic Cylinder	Hydraulic Cylinder
	Weight ( kg )	2400	3200
	Dimension (mm)	2600×1800×1700	3000×1900×1800

# Single-head Multiple Drilling Machine Tool

**Dishaa®**



Processing parts:



**Workpiece:** Gate Valve/Globe Valve/Butterfly Valve/Strainer/Tee etc.  
**Process:** Multiple Drilling  
**Range:** DN50-DN600(Different machines cover different range)

### Introduction

● single-head multiple drilling machine tool is special purpose machine tool for pump body / pipe fitting / valve machining. With exclusive patents, it can realize three heads drilling of all the holes simultaneously and promote the standardization, efficiency and automation of pump / pipe / valve industry.

### Advantages

- Multiple drilling design, efficiency is increased dozens of times
- Replaceable drilling drive head, easy to use and maintain, has high rigidity and long lifetime
- Professional research and production team to control the core technology and quality from the source

### Options

- CNC / Hydraulic
- Coolant
- Automatic chip conveyor
- Full protection cover

### Technical specifications and parameters

All the parameters are customized

ITEM		Z120	Z130
Machining Range	PCD ( mm )	60-295	295-410
	Length of Workpiece ( mm )	Φ400	Φ500
	Motor Power ( Kw )	5.5	11
	Spindle Speed ( r/min )	270/350	200/300
Drive Head	Standard Drill	Morse No.2	Morse No.3
	Hole Diameter ( mm )	8-23	18-28
Feed	Feed Way ( m/min )	Hydraulic Cylinder	Hydraulic Cylinder
	Feed Speed ( m/min )	Stepless	Stepless
	Travel ( mm )	380	420
Others	Power	380V AC	380V AC
	Lubrication	Electronic Lubrication Pump	Electronic Lubrication Pump
	Fixture	Hydraulic Cylinder	Hydraulic Cylinder
	Weight ( kg )	1400	1900
Dimension (mm)		2100×1700×1600	2300×1900×1700

# Multiple Drilling & Tapping Machine Tool



Processing parts:



**Workpiece:** Gate Valve/Globe Valve/Butterfly Valve/Strainer/Tee etc.  
**Process:** Multiple Drilling/Tapping  
**Range:** DN50-DN600(Different machines cover different range)

## Introduction

● multiple drilling&tapping machine tool is special purpose machine tool for pump body / pipe fitting / valve machining. With exclusive patents, it can realize drilling&tapping of all the holes simultaneously and promote the standardization, efficiency and automation of pump / pipe / valve industry.

## Advantages

- Multiple drilling&tapping design, efficiency is increased dozens of times
- Replaceable drilling&tapping drive head, easy to use and maintain, has high rigidity and long lifetime
- Professional research and production team to control the core technology and quality from the source

## Options

- CNC / Hydraulic
- Coolant
- Automatic chip conveyor
- Full protection cover

## Technical specifications and parameters

All the parameters are customized

ITEM	ZG120	ZG130
Voltage	380AC	380AC
Rated Power (kw)	7.5	12.5
Max. Drilling Size (mm)	12	14
Drilling Spindle Speed (mm/min)	270-350	250-300
Drill Stem	Morse No.2	Morse No.3
Max.Tapping Bore Size (mm)	M14	M16
Tapping Spindle Speed (mm/min)	150-200	150-200
Tap Stem	ER20	ER32
Drilling/Tapping Travel (mm)	300	300
Drilling Feed Way	Hydraulic Cylinder/CNC	Hydraulic Cylinder/CNC
Tapping Feed Way	Pneumatic/CNC	Pneumatic/CNC
Fixture	Hydraulic Clamp	Hydraulic Clamp
Lubrication	Electronic Lubrication Pump	Electronic Lubrication Pump
Weight ( kg)	2600	3400
Dimension (mm)	2200×2400×1500	2600×2300×1600

# Three-head Multiple Drilling & Tapping Machine Tool

**Dishaa®**



Processing parts:



Workpiece: Gate Valve/Globe Valve/Strainer/Elbow/Tee etc.  
 Process: Multiple Drilling/Tapping  
 Range: DN50-DN600(Different machines cover different range)

### Introduction

● multiple drilling&tapping machine tool is special purpose machine tool for pump body / pipe fitting / valve machining. With exclusive patents, it can realize three heads drilling&tapping of all the holes simultaneously and promote the standardization, efficiency and automation of pump / pipe / valve industry.

### Advantages

- Multiple drilling&tapping design, efficiency is increased dozens of times
- Replaceable drilling&tapping drive head, easy to use and maintain, has high rigidity and long lifetime
- Professional research and production team to control the core technology and quality from the source

### Options

- CNC / Hydraulic
- Coolant
- Automatic chip conveyor
- Full protection cover

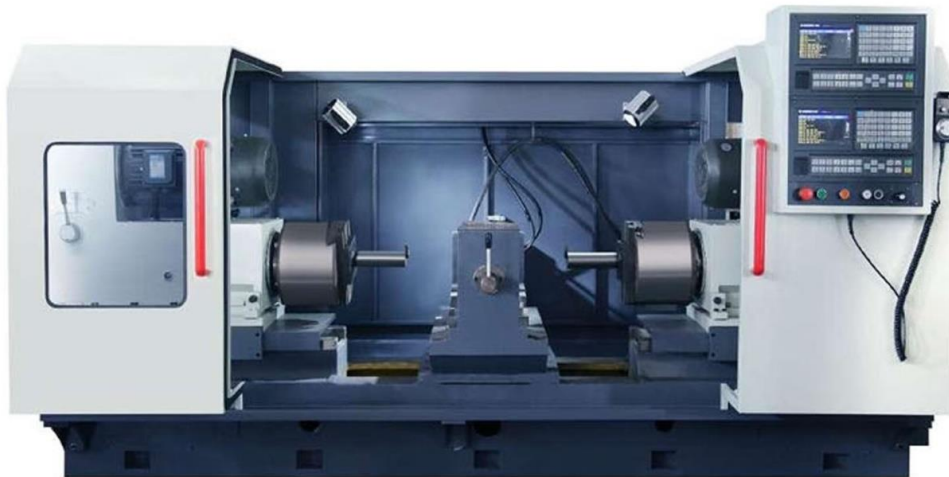
### Technical specifications and parameters

All the parameters are customized

ITEM	ZG320	ZG330
Voltage	380AC	380AC
Rated Power (kw)	18.5	27.5
Max. Drilling Size (mm)	12	14
Drilling Spindle Speed (mm/min)	270-350	250-300
Drill Stem	Morse No.2	Morse No.3
Max.Tapping Bore Size (mm)	M14	M16
Tapping Spindle Speed (mm/min)	150-200	150-200
Tap Stem	ER20	ER32
Drilling/Tapping Travel (mm)	300	300
Drilling Feed Way	Hydraulic Cylinder/CNC	Hydraulic Cylinder/CNC
Tapping Feed Way	Pneumatic/CNC	Pneumatic/CNC
Fixture	Hydraulic Clamp	Hydraulic Clamp
Lubrication	Electronic Lubrication Pump	Electronic Lubrication Pump
Weight (kg)	5000	6600
Dimension (mm)	2200×2400×1500	2600×2300×1600

# Two-head CNC Machine Tool for Seal Seat

**Dishaa®**



Processing parts:



Workpiece: Gate Valve  
 Process: Seal Seat  
 Range: DN50-DN600(Different machines cover different range)

### Introduction

- two-head CNC machine tool special for gate valve's seal seat. With exclusive patents, two spindles are installed inclined according to the angle. It can realize two heads turning&milling simultaneously to improve the efficiency of gate valve machining.

### Advantages

- Spindles are installed inclined according to the angle stable and convenient
- The feed way of X axis on the drive head adopts the structure of motor + ball screw, with high precision, high strength and long service life
- Professional research and production team to control the core technology and quality from the source

### Options

- CNC system brand
- Coolant
- Automatic chip conveyor
- Half / Full protection cover

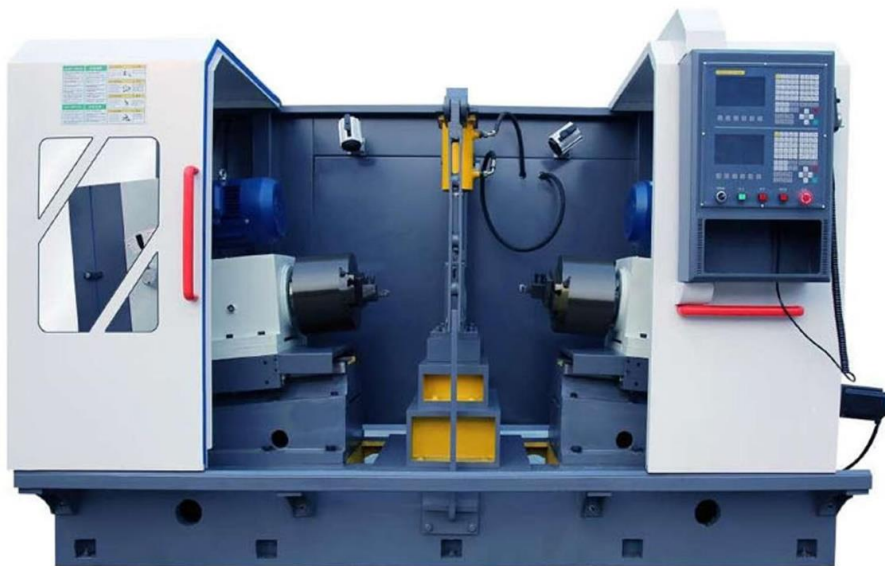
### Technical specifications and parameters

All the parameters are customized

ITEM	HD-MF
Voltage	380AC
Rated Power (kw)	13.2
Feed Motor	35 Nm
Spindle Speed (r/min)	110 140 190 Stepless adjustment as choice
Sealing Angle	4°-6°
Spindle Nose To Worktable (mm)	150
X Axis Travel (mm)	150
Z Axis Travel (mm)	400
Max.Rapid Traverse (mm/min)	3000
Re-position Precision	0.01
Fixture	Hydraulic Clamp
CNC System	HDMT
Lubrication	Electronic Lubrication Pump
Weight (kg)	4200
Dimension (mm)	3600×1600×1600

# Two-head CNC Machine Tool for Gate Disc

**Dishaa®**



Processing parts:



Workpiece: Gate Valve  
 Process: Gate Disc  
 Range: DN50-DN600(Different machines cover different range)

### Introduction

- two-head CNC machine tool special for gate valve's gate disc. With exclusive patents, two spindles are installed inclined according to the angle. It can realize two heads turning&milling simultaneously to improve the efficiency of gate valve machining.

### Advantages

- Spindles are installed inclined according to the angle, stable and convenient
- The feed way of X axis on the drive head adopts the structure of motor + ball screw, with high precision, high strength and long service life
- Professional research and production team to control the core technology and quality from the source

### Options

- CNC system brand
- Coolant
- Automatic chip conveyor
- Half / Full protection cover

### Technical specifications and parameters

All the parameters are customized

ITEM	HD-MF
Voltage	380AC
Rated Power (kw)	13.2
Feed Motor	35 Nm
Spindle Speed (r/min)	110 140 190 Stepless adjustment as choice
Sealing Angle	4°-6°
Spindle Nose To Worktable (mm)	150
X Axis Travel (mm)	150
Z Axis Travel (mm)	400
Max.Rapid Traverse (mm/min)	3000
Re-position Precision	0.01
Fixture	Hydraulic Clamp
CNC System	HDMT
Lubrication	Electronic Lubrication Pump
Weight (kg)	4200
Dimension (mm)	3600×1600×1600

# Turning & Milling Machine Center

**Dishaa®**



Processing parts:



Workpiece: Butterfly Valve  
 Process: Top/Bottom Flange (OD/Surface/Step/Serration) and Stem Hole  
 Range: DN50-DN600(Different machines cover different range)

### Introduction

● turning&milling machine center is special machine tool for butterfly valve. With exclusive patents, it can realize two heads turning&milling&boring simultaneously, improve efficiency of butterfly valve machining.

### Advantages

- exclusive patent to ensure high precision, rigidity, stability and efficiency
- Equipped with Taiwan turntable and tool magazine, meet the complicated machining requirements and reduce labor intensity
- Professional research and production team to control the core technology and quality from the source

### Options

- CNC system brand
- Coolant
- Automatic chip conveyor
- Half / Full protection cover

### Technical specifications and parameters

All the parameters are customized

ITEM	CX800
Voltage	380AC
Rated Power ( kW )	17
Feed Motor	15 Nm
Spindle Speed ( r/min )	Turning: 110 140 190 Drilling&Boring 4000
Spindle Tapper	Turning: 1:20 Drilling&Boring: BT40/BT50
Spindle Nose To Worktable ( mm )	150
Max.Machining Diameter ( mm )	460
X Axis Travel ( mm )	150
Z Axis Travel ( mm )	400
Max.Rapid Traverse (mm/min)	4000
Re-position Precision	0.01
Fixture	Hydraulic Clamp
CNC System	SYNTEC
Lubrication	Electronic Lubrication Pump
Weight (kg)	5000
Dimension (mm)	3600×1600×1600



# Gate Disc Groove Gantry Milling Machine Tool



Processing parts:



Workpiece: Gate disc etc.

Process: Two sides groove etc.

Range: DN50-DN600(Different machines cover different range)

### Introduction

● single-head CNC machine tool is special purpose machine tool for pump body / pipe fitting / valve machining. With exclusive patents, it can realize three heads working simultaneously and promote the standardization, efficiency and automation of pump / pipe / valve industry.

### Advantages

- exclusive design patents to ensure high stability and efficiency
- The feed way of X axis on the drive head adopts the structure of motor + ball screw, with high precision, high rigidity and long service life
- Professional research and production team to control the core technology and quality from the source

### Options

- CNC system brand
- Coolant
- Rotary worktable
- Automatic chip conveyor
- Half / Full protection cover

### Technical specifications and parameters

All the parameters are customized

ITEM		QFC3-42S
Spindle	Tapper	7:24
	Speed (r/min)	200-600
	Max. Torque (Nm)	42
	Motor Power (kw)	2.2
Tool	Stem	BT50/BT40
	Tapper	7:24
Feed	Rapid Traverse (mm/min)	3000
		3000
	Motor Power (Nm)	15/15
	Speed (mm/min)	1-1000
Positioning Precision	No.2/3 Axis (mm)	±0.02
Re-position Precision	No.2/3 Axis (mm)	±0.03
Others	Weight (kg)	13000
	Dimension (mm)	4500×2000×2400

# Vertical CNC Drilling machine Tool



Processing parts:



Workpiece: Butterfly Valve  
 Process: Flange Holes  
 Range: DN50-DN600(Different machines cover different range)

### Introduction

- vertical CNC drilling machine tool is special purpose machine for butterfly valve. With exclusive patents and equipped with CNC turntable, it can drill the flanges holes one by one automatically, improve efficiency of butterfly valve machining.

### Advantages

- exclusive patent to ensure high precision, rigidity, stability and efficiency
- Equipped with Taiwan turntable and tool magazine, meet the complicated machining requirements and reduce labor intensity
- Professional research and production team to control the core technology and quality from the source

### Options

- CNC system brand
- Coolant
- Automatic chip conveyor
- Half / Full protection cover

### Technical specifications and parameters

All the parameters are customized

ITEM	ZU1000
Voltage	380AC
Motor Power (kw)	11
Spindle Speed (r/min)	10-6000
Spindle Center To Worktable (mm)	950
Max.Drilling Bore Size (mm)	60
Turntable Diameter (mm)	1000
Turntable Precision (°)	0.05
Turntable Speed (r/min)	1-20
Turntable Load (kg)	2000
Workpiece's Diameter (mm)	0-1250
Fixture	Hydraulic/Pneumatic
CNC System	GSK 980MDI
Coolant	High pressure Pump
Weight ( kg )	5600
Dimension (mm)	3500×2000×2600

# Horizontal machining Center



## Introduction

- horizontal machining center, Using exclusive patents and equipped with disc type tool magazine (24 tools) and CNC equal division turntable, it can realize the drilling/milling/expanding/boring/reaming/tapping of case/shell/mould and etc with one time load.

## Advantages

- exclusive patent to ensure high precision, rigidity, stability and efficiency
- Equipped with Taiwanese turntable and tool magazine, meet the drilling and reverse counterboring requirements and reduce labor intensity
- Professional research and production team to control the core technology and quality from the source

## Options

- GSK/FANUC/SIEMENS
- Turntable/Tool Magazine
- Automatic Chip Conveyor

## Technical specifications and parameters

All the parameters are customized

ITEM		HD-W865
Worktable	Size (mm)	1000×500
	Max. Load (kg)	450
Travel	Left/Right (X) (mm)	800
	Up/Down (Y) (mm)	600
	Forward/Backward (Z) (mm)	450
Spindle	Taper	BT40
	Spindle center from worktable (mm)	100-700
	Spindle Nose from Worktable Center (mm)	140-640
	Speed (rpm)	8000
Accuracy	Motor Power (kw)	7.5
	Positioning Accuracy (mm)	±0.01
CNC System	Re-position Accuracy (mm)	±0.01
	GSK/FANUC/SIEMENS/Mitsubishi	KY983MC
Others	Weight (kg)	5500
	Dimension (mm)	2700X2500X2200

# Horizontal Machining Center



## Introduction

- Horizontal machining center, Using exclusive patents and equipped with disc type tool magazine (24 tools) and CNC equal division turntable, it can realize the drilling/milling/expanding/boring/reaming/tapping of case/shell/mould and etc with one time load.

## Advantages

- exclusive patent to ensure high precision, rigidity, stability and efficiency
- Equipped with Taiwanese turntable and tool magazine, meet the drilling and reverse counterboring requirements and reduce labor intensity
- Professional research and production team to control the core technology and quality from the source

## Options

- GSK/FANUC/SIEMENS
- Turntable/Tool Magazine
- Automatic Chip Conveyor

## Technical specifications and parameters

All the parameters are customized

ITEM		HD-630	
Worktable	Size (mm)	630×700	
	Max. Load (kg)	950	
	Swing Over Bed (mm)	φ1100	
Travel	Inverted T Layout	Left/Right (X) (mm)	1050
		Up/Down (Y) (mm)	750
		Forward/Backward (Z) (mm)	900
Spindle	BT50	Speed (rpm)	6000
		Spindle Center from Worktable (mm)	120~870
		Spindle Nose from Worktable Center (mm)	130~1030
Rapid Traverse	X/Y/Z (m/min)	24	
	B (r/min)	10	
Positioning Accuracy	X/Y/Z (mm)	0.01	
	B (s)	10"	
Re-position Accuracy	X/Y/Z (mm)	0.006	
	B (s)	5"	
CNC System	GSK/FANUC/SIEMENS/Mitsubishi	GSK25IMB	
Others	Weight (kg)	8300	
	Dimension (mm)	3010×2690×2485	