

Catalog of CNC Cutting Machine



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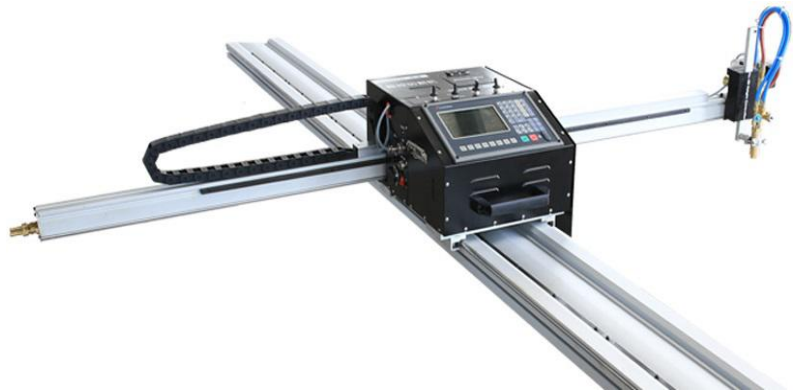
Introduction of Company

Jinan Zaiqiang New energy technology company is a professional company of cnc cutting machine, located in Shandong Province, China, which has more than 10 years' experience in this field. The main product includes portable type cutting machine, table type cutting machine, gantry type cutting machine and tube cutting machine. Special specifications can be customized. We have more than 8 related invention patents and timely update our equipments.

Jinan Zaiqiang New energy technology company since its inception, adhere to professional and high-end technology road, has more than technical personnel advanced engineering, and established a good cooperative relationship with several domestic research institutions, to improve their technical level and service level. Sincerely welcome customers from all over the world.



Portable Type CNC Cutting machine EDPC2016



EDPC2016 Stroke Accuracy		EDPC2016 Electrical Performance	
Effective Cutting Width	1200mm-1700mm	Input Voltage	AC 220V 50Hz-60Hz
Effective Cutting Length	2000mm-20000mm	Working Voltage	DC 24V
Highest Speed	≥8000mm/min	Working Temperature	-40°~ 60°
Torch Height	≥140mm	General Power	≤70W
Flame Cutting Precision	±0.5mm	RAM	2GB
Plasma Cutting Precision	±0.8mm	Processor	ARM9
Working Accuracy	±0.2mm	EDPC2016 Operating Parameters	
Repeat Positioning	±0.2mm	Severance(Flame)	6mm-200mm
EDPC2016 Special Device		Severance(Plasma)	Up to plasma power
Arc Volatage THC	Heavth HP101(optional)	Pierce(Flame)	6mm~60mm
Plasma Power	Optional	Pierce(Plasma)	Up to plasma power
		Available Gas	Propane/LPG/Ethyne
		Combustion Air	Oxygen



EDPC2016 CNC Cutting Machine Part List

Article	Model	Qty	Supplier	Origin
CNC System	F2100	1	Fangling	Shanghai
Drive	SF-2H057M	2	HollySys	Beijing
Motor	23HS3002	2	Shinano	Japan
Power Source	GY200W&EDCNC-200	1	Gy<N	Shanghai&Zhejiang
Bearing	S12V	8	HSK	Taiwan
Rail	S8C	1	HSK	Taiwan
Pulley	G8C	8	HSK	Taiwan
Relay	MY4NJ	6	XI&Omron	Taiwan&Japan
Flame Cutting Torch	86	1	Longteng	Wuxi
Torch Up-down Device	HC20	1	EDCNC	Dezhou
Towline	35	1	Igus	Germany
Solenoid Valve	VX210EAZ	3	SMC	Japan
Diverter	~	1	EDCNC	Dezhou
Arc Volatage THC	HP101 (optional)	1	Heavth	Changzhou
Chassis	~	1	EDCNC	Dezhou
Structural Frame	Aluminium alloy	1	EDCNC	Dezhou
Nesting Software	Pro	1	StarCAM	Beijing
Switch	customized	4	CNTD	Shanghai
Screw	~	~	Gem-year	Zhejiang
Flexible Cable	~	~	Echu	Shanghai
Etc	·	·	·	·



Tools and consumables:

Item name	Model	Qty	Supplier	Origin
Propane Cutting Nozzle	1# 2# 3#	1	EDCNC	Dezhou
Other Tools	~	1	~	~

Remarks:

- 1.Parts with symbol “&”simultaneously using two models’ or two suppliers’ supply way,specific equipment depend on the model and batch.
- 2.Parts with symbol“+”simultaneously using two models’ or two suppliers’ products.

EDPC2016 Cutting Machine Advantages

- Affordable & easy to use
- Potable and light weight
- Precision:±0.5mm
- Low power consumption
- Free programming all lifetime



Table Type CNC Cutting Machine EDTC2015



EDTC2015 Movement and Accuracy		EDTC2015 Electrical Performance	
Effective cutting width	1200mm-1700mm	Input Voltage	AC220V 50Hz-60Hz
Effective cutting length	2500mm-6000mm	Working Voltage	DC 24V
Movement Speed(max)	≥16000mm/min	Working	-40°~ 60°
Torch Height	≥140mm	Power	≤2000W (servo)
Cutting	±0.7mm	RAM	2GB
Movement Accuracy	±0.2mm	Processor	ARM9
Repeat Position	±0.2mm	EDTC2015 Parameters	
Cutting	±0.5mm	Severance(plasma)	According to power
EDTC2015 Special Equipment		Pierce(plasma)	According to power
Arc Volatage THC	Heavth HP101(optional)	Severance(flame)	6mm~200mm
Plasma Power Source	Optional	Pierce(flame)	6mm~60mm
		Gas Available	Propane/LPG/Ethyne
		Combustion	Oxygen



EDTC2016 CNC Cutting Machine Part List

Article	Model	Qty	Supplier	Origin
CNC System	F2100	1	Fangling	Shanghai
Drive	400W	3	Leisai	Shenzhen
Motor	400w	3	Leisai	Shenzhen
Power Source	GY200W&EDCNC-200	1	GY<N	Shanghai&Zhejiang
Guide Rail(longitudinal)	T90B	2	EDCNC	Dezhou
Guide Rail(transverse)	S12C	2	HSK	Taiwan
Pulley	G12C	8	HSK	Taiwan
Relay	MY4NJ	6	Xinling&Omro	Taiwan&Japan
Torch Up-down Device	HC20	1	EDCNC	Dezhou
Arc Volatage THC	HP101(optional)	1	Heavth	Changzhou
Chassis	~	2	EDCNC	Dezhou
Structural Frame	Steel	1	EDCNC	Dezou
Nesting Software	Pro	1	StarCAM	Beijing
Switch	Customized	4	CNTD	Shanghai
Screw	~	~	Gem-year	Zhejiang
Flexible Cable	~	~	Echu	Shanghai
Etc

Tools and consumables:

Item name	Model		Supplier	Origin
Propane cutting nozzle	1# 2# 3#	1	EDCNC	Dezhou
Other tools	~	1	~	~

Remarks:

1.Parts with symbol “&”simultaneously using two models’ or two suppliers’ supply way,specific equipment depend on the model and batch.

2.Parts with symbol“+”simultaneously using two models’ or two suppliers’ products.



EDTC2016 Cutting Machine Advantages

1. Maintenance-free technology

The whole machine body can work without lubrication and cleaning

Patent NO.ZL20122036885



2. F2100 system

This machine applies brand-new F2100 system, so the cutting speed is 10 times faster than the previous system. With the low-consumption technology, the consumption can be controlled between 10W and 250W.



3. Wireless remote control optional

With this wireless remote control, operators can operate the equipment within 100 meters, which makes the equipment more humanized and easy to operate

4. Professional service of Starcam software

The professional version of Starcam software gives customers more professional service with the previous cost

5. Free programming service all lifetime

Customers just need to send us the requirement and drawing, we will send customers the CNC file as soon as possible



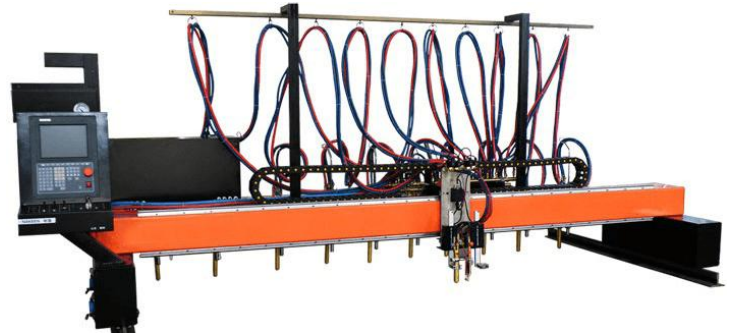


Jinan Zaiqiang New energy technology company

Gantry

CNC Cutting Machine

EDGC2015



EDGC2015 Movement and Accuracy		EDGC2015 Electrical Performance	
Effective cutting width	2500mm-4500mm	Input Voltage	AC220V
Effective cutting length	3000mm-20000mm	Working Voltage	DC 24V
Span of Guide Rail	3730mm	Working Temperature	-40°~ +60°
Length of Guide Rail	12000mm	Power Consumption	≤500W(Stepping) ≤2000W(Servo)
Movement Speed(max)	≥12000mm/min	RAM	1GB
Torch Height	≥150mm	Processor	ARM9
Cutting Accuracy(Flame)	±0.5mm	EDGC2015 Parameters	
Cutting Accuracy(Plasma)	±0.8mm	Severance (flame)	6mm-200mm
Movement Accuracy	±0.2mm	Pierce(flame)	6mm~60mm
Repeat Position Accuracy	±0.2mm	Severance (Plasma)	According to power
EDGC2015 Special Equipment		Pierce(Plasma)	According to power
Arc Volatage THC	Heavth HP101(optional)	Gas Available	Propane/LPG/Ethyne
Plasma Power Source	Optional	Combustion	Oxygen



EDGC2015 CNC Cutting Machine Part List

Article	Model	Qty	Supplier	Origin
CNC System	F2300B	1	Fangling	Shanghai
Drive (X axis)	SF-2H057M	1	HollySys	Beijing
Motor(Y axis)	DMA860H	2	Leadshine	Shenzhen
Motor(X axis)+Reducer	86BYGH+CLJS	2	Baigela	Shenzhen
Motor (Y axis)+Reducer	57BYGH276+3004AG4	1	Sihong	Shanghai
Power Source	HXDY800W+GY400	1	XP+GY	Dezhou+Shanghai
Bearing(transverse)	G16C	~	HSK	Taiwan
Guide Rail(transverse)	S16C	2	HSK	Taiwan
Guide Rail(longitudinal)	T90B	~	EDCNC	Dezhou
Relay	MY4NJ	~	Xi&Omron	Taiwan&Japan
Flame Cutting Torch	30-180	2	Longteng	Wuxi
Torch Up-down Device	HC30	1	EDCNC	Dezhou
Plasma THC	HP101 (optional)	1	Heavth	Changzhou
Autoignition	~	1	XZ<	Wuxi
Solenoid Valve	2W030-08 (Customized)	3	Airtac	Taiwan
Diverter	~	1	EDCNC	Dezhou
Chassis	~	2	EDCNC	Dezhou
Structural Frame	Steel	1	EDCNC	Dezhou
Software	Expert Standard	1	StarCAM	Beijing



Switch	Customized	~	CNTD	Shanghai
Screw	~	~	Gem-year	Zhejiang
Flexible Cable	~	~	E-chu	Shanghai

Tools and Consumables

Article	Model	Qty	Company	Origin
Propane Cutting Nozzle	1# 2# 3#	1	EDCNC	Dezhou
Special Tools	~	1	~	~

Note:

1.Parts with symbol “&”simultaneously using two models’ or two suppliers’ supply way,specific equipment depend on the model and batch.

2.Parts with symbol“+”simultaneously using two models’ or two suppliers’ products.

EDGC2015 Cutting Machine Advantages

1. Maintenance-free technology

The whole machine body can work without lubrication and cleaning

Patent NO.ZL20122036885



2. F2300 system

This machine applies brand-new F2300 system, so the cutting speed is 10 times faster than the previous F2012 system. With the low-consumption technology, the consumption can be controlled between 10W and 250W.

3. T type guide rail improves stability



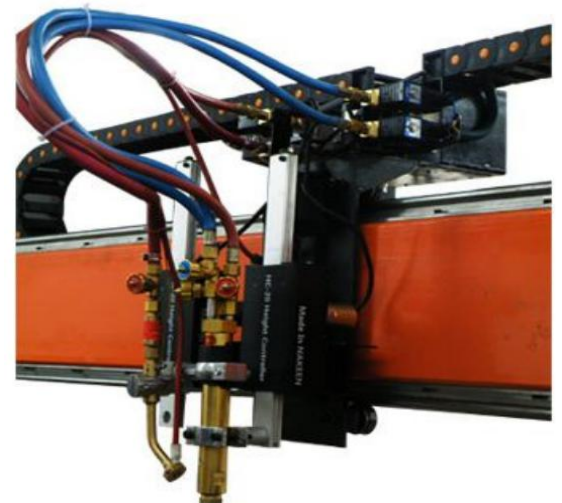
According to customers' requirement, the stepper drive motor or full servo drive is optional or the combination of these two.

4. Professional service of Starcam software

The professional version of Starcam software gives customers more professional service with the previous cost!

5. Free programming service all lifetime

Customers just need to send us the requirement and drawing, we will send customers the CNC





file as soon as possible!

Intersection CNC Cutting Machine

EDGX2016

Machines of this type are designed for cutting pipes to connect from different angles, cutting holes in the pipes, the formation of the required chamfer. Positioning system used cutter provides three to seven degrees of freedom. Gaps in the joints of the pipes produced by small and meet the requirements of automatic and robotic welding. Products produced by these machines are used in the manufacture of oil platforms, construction of tubular steel structures, bridges, ships.

Model 1 **Three axis pipe cutting machine**





Model 1 Parameters

Model	Parameters
Diameters Available	Φ30mm-φ200MM
Plasma Power Source	Optional
Cutting Material	Carbon Steel,Alloy Steel,Stainless Steel,Non-ferrous Metal
Longitudinal Moving Speed mm/min	6000
Cutting Speed	30-3000mm/min
Cutting Thickness(Flame)	6mm-200mm
Cutting Thickness(Plasma)	According to plasma power
Torch Up-down Span (mm)	1-300
Effective Cutting Length of X-axis	6000mm(can be customized)
Rotary Axis for the pipe	Infinite rotating
Electric Chuck Tightening Device	No
Chuck	3-claw chuck
Special Pipe Brace	3 group(can be customized)
Temperature	-5℃—50℃
Power Supply	220V 50HZ 3KM

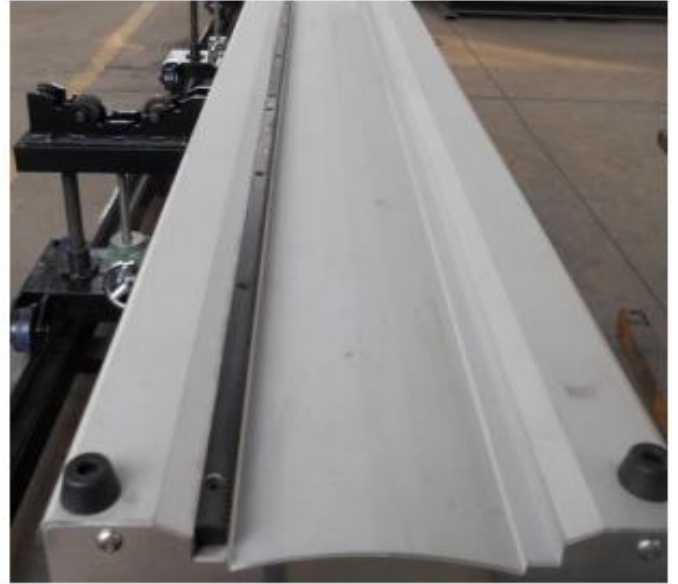


Model 1 Parts List

Items	Model	Qty	Supplier	Origin
CNC System	2100B	1	Fangling	Shanghai
Motor	0.75KW	1	Evta	
Motor	YG57H	1	SINANO	Japan
System power supply		1	HF	Shanghai
Power supply	GY200W-S-24	1	GY	Shanghai
Y-axis rail	BR20	2	EDCNC	Dezhou
Y-axis bearing	S20U	6	HSK-T	Taiwan
Relay	MY4NJ	4	HSINDA	Taiwan
Torch Up-down Device		1	EDCNC	Dezhou
Towline	~	1	EDCNC	Dezhou
Rotary axis	~	1	EDCNC	Dezhou
Case for rotary axis	~	1	EDCNC	Dezhou
Chuck	3 claw	1	EDCNC	Dezhou
Chuck box	~	1	EDCNC	Dezhou
Pipe supporting	~	3	EDCNC	Dezhou
Case	~	1	EDCNC	Dezhou
Steel supporting	~	1	EDCNC	Dezhou



Screw	~	~	GEM-YEAR	Taiwan's sole proprietorship (Zhejiang)
Plasma power source	Optional	1		



Model 2**Five axis pipe cutting machine****Model 2 Parameters**

Model	Parameters
Diameters Available	50-600MM
Cutting Material	Carbon Steel
Longitudinal moving speed mm/min (Max)	6000
Cutting Speed	30-6000mm/min
Amount of axis	4



Rotary Axis for the pipe	Infinite rotating
Torch up-down span (mm)	1-300
Effective Cutting Length of X-axis	12000mm(can be customized)
Z-axis	350MM
Y-axis	Unlimited rotary (pipe rotary)
A-axis	$\pm 60^\circ$ (torch moves around X-axis)
B-axis	$\pm 65^\circ$ (torch moves around Y-axis)
Oblique crossing angle	10° - 100°
Length Positioning accuracy	0.3mm/2000mm
Bus Positioning accuracy	0.2mm/1000mm
Precision tolerance	0.2° - 360°
Beveled angle	-60° - $+60^\circ$
Smallest crossing angle	20
Chuck	3-claw chuck
Hand support roller	5 group (can be customized)
Leveling way	By hand
Temperature	-5°C — 50°C
Power supply	220V 50HZ 3KM

Model 2 Parts List

Items	Model	Qty	Supplier	Origin
CNC System	F6400	1	Fangling	Shanghai



Servo System	MHMJ024J1U.0.4KW+brake	2	Panasonic	Japan
Servo system	MBDHT2510E 0.4KW	1	Panasonic	Japan
Rotary Motor	MHME402G.4.0KW	1	Panasonic	Japan
Lifting motor	DZNAK-120W DC24V	1	EDCNC	Dezhou
System power supply	HF35W-D-Z	1	HF	Shanghai
Power supply	GY200W-S-24	1	GY	Shanghai
Y-axis rail	T50	2	EDCNC	Dezhou
Y-axis bearing		8	HSK	Taiwan
Relay	MY4NJ	4	HSINDA	Taiwan
Torch Up-down Device	HC30	1	EDCNC	Dezhou
towline	~	1	EDCNC	Dezhou
Rotary axis	~	1	EDCNC	Dezhou
Case for rotary axis	~	1	EDCNC	Dezhou
Chuck	3 claw	1	EDCNC	Dezhou
Chuck box	~	1	EDCNC	Dezhou
Pipe supporting	~	3	EDCNC	Dezhou
Hydraulic material	10t	2	EDCNC	Dezhou
Case	~	1	EDCNC	Dezhou
Steel supporting	~	1	EDCNC	Dezhou
Screw	~	~	GEM-YEAR	Taiwan's sole proprietorship (Zhejiang)



Plasma power source	POWERMAX105A	1	Hypertherm	USA
Flame cutting torch	180mm	1	LT	Wuxi
Levelling device	~	1	EDCNC	Dezhou





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