



## Brief Introduction

Jiangsu Jinfangyuan CNC Machine Co., Ltd. is a wholly-owned subsidiary of TRUMPF Group, with a registered capital of 150 million RMB and is specialized in the development and sales of CNC machines. Provide automated processing solutions for many industries such as switchgear/ automobiles, home appliances, electronics, instrumentation, aviation etc. We have two plants located in Hanjiang High-tech Zone of Yangzhou city, covering a total area of more than 340 acres.

Early from year 1990, JFY began to develop and produce CNC mechanical punch machine. our products have been continuously enriched and developed. At present, we have formed the mass production of CNC punch machine,

CNC laser cutting machine, CNC bending machine, CNC shear and etc. With an annual output of more than 2,000 CNC machines. Our products mainly include high-speed hydraulic/ servo motor CNC turret punch machines; high-speed hydraulic CNC bending machines; high-speed CNC shearing machines; CNC laser cutting machines and CNC laser cutting FMS, CNC punch and shear combined FMS, Warehouse logistics system, loading and unloading unit, large metal sheet FMS and etc.



Our users cover nearly 30 industries, and our products are sold nationwide and exported to Russia, Southeast Asia, South Africa, India, Middle East, Canada, the United Kingdom, the United States and etc. Our per capita sales and per capita tax are among the best in the domestic CNC machine industry.

JFY is a key enterprise of the National Torch Plan in Hanjiang CNC Metal Sheet Processing Equipment Industrial Base, and has a mechanical industry engineering research center and a national post-doctoral workstation. We have passed the ISO9001 certification, many products have passed the CE certification, obtained lots of national invention patents and 100 utility model patents.

"Principle, Harmony, Breakthrough, Excellence" is our enterprise spirit, "the unity of knowledge and action, focusing on action" is our working motto. JFY has a high reputation and brand advantage in the field of domestic CNC sheet metal processing, German TRUMPF is a high-end brand in the international CNC sheet metal processing industry and a leading enterprise in this industry. With the strong support of TRUMPF Group, JFY will be committed to the development, production and sales of CNC sheet metal processing equipment from a higher starting point. Pay more attention to international market development, so that JFY brand can act faster and better in the global market.



## Historical Milestones



**1989:** Chinese market leader for punching machines

**2006:** New type of laser cutting machines launched

**2007:** Sale of the 1000<sup>th</sup> bending machine

**2013:** Cooperation with the TRUMPF Group

**2017:** The opening of the new manufacturing plant  
boasting 118,654m<sup>2</sup>



## New Plant in South District

With the increasing production and sales volume of JFY, our original factory could not meet the demand of new production. As a result, the new plant in Southern District broke ground in 2016, with a total area of 182 mu, which was put into operation in May 15, 2018. The factory, built in accordance with the German TRUMPF design standard, integrates a more advanced workshop management model, and builds a domestic 1st advanced CNC cutting machine assembly line, we will see machine assembly flowing through different steady work stations.



## Strong Machining Capability

JFY is equipped with many imported, precise processing systems, such as the German SHW pentahedron processing center, the American HASS processing center and the British HUCCEP processing center, to name a few, to ensure maximum parts precision and to increase the products' reliability and stability.



## Product Assembly Lines



## TPR8/TPM8/TPM9 SERIES CNC Bending



TPM8 uses servo motor instead of asynchronous motor, retaining proportional valve control technology, mature and reliable. Servo controlled variable pump technology can significantly reduce the noise of machine, reduce oil temperature, heat and save more than 35% of energy.

### Features

- Optimized by finite element design to ensure that the machine body has high strength and high rigidity.
- Compared with the traditional CNC bending machine, increasing the filling fluid flow, oil pump displacement, etc., the frequency of Y-axis movement is about 25% higher than the market mainstream bending machine.
- Adopt high-frequency response proportional valve to ensure high stability and high precision during high-speed operation.
- Increased closed height, throat depth, ram stroke, etc., to facilitate bending and handling of large and complex workpieces.
- Automatic mechanical crowning compensation system as standard configuration to solve the influence of the ram deformation on the workpiece quality during bending, convenient and accurate.

## Main Specification of TPR8

Main Specification	Unit	60T	100T	150T	225T	320T	400T	500T	600T							
Model		TPR8 060/2050	TPR8 100/3100	TPR8 100/4100	TPR8 150/3100	TPR8 150/4100	TPR8 225/3100	TPR8 225/4100	TPR8 320/3100	TPR8 320/4100	TPR8 400/4100	TPR8 400/6000	TPR8 500/5000	TPR8 500/6000	TPR8 600/6000	
Bending Force	kN	600	1000	1000	1500	1500	2250	2250	3200	3200	4000	4000	5000	5000	6000	
Bending Length	mm	2050	3100	4100	3100	4100	3100	4100	3100	4100	4100	6000	5000	6000	6000	
Column Distance	mm	1600	2700	3700	2700	3700	2700	3700	2700	3700	3700	5100	4400	5100	5100	
Throat Depth	mm	350	410	410	410	410	410	410	410	410	410	400	500	500	500	
Stroke of Ram	mm	215	215	215	215	215	215	215	315	315	315	315	315	315	315	
Closed Height	mm	480	480	480	480	480	480	480	580	580	580	580	580	580	580	
Speed	Approaching	mm/s	180	220	220	180	180	160	170	110	120	110	110	80	90	80
	Working	mm/s	18	14	14	11	11	10	10	9	9	8	8	7	7	8
	Return	mm/s	180	170	150	150	150	140	140	110	110	85	85	70	70	70
Main Motor Power	kW	7.5	11	11	15	15	22	22	22	22	30	30	37	37	37	
Oil Tank Capacity	L	250	400	550	400	550	400	550	400	550	600	800	700	800	800	
Backgauge	Precision	mm	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.20	±0.20	±0.20	±0.20	
	Stroke	mm	500	500	500	500	500	500	500	500	500	500	500	500	500	
	Speed	mm/s	400	400	400	400	400	400	400	400	400	400	250	250	250	250
	Power	kW	1	1	1	1	1	1	1	1	1	1	1.5	1.5	1.5	1.5
Dimension L×W×H	mm	L:2900	L:3950	L:4950	L:3970	L:4950	L:3980	L:4980	L:3510	L:4510	L:4510	L:6450	L:5480	L:6480	L:6480	
		W:1400	W:1700	W:1700	W:1720	W:1720	W:1960	W:1960	W:2200	W:2200	W:2200	W:2200	W:2050	W:2050	W:2500	
		H:2330	H:2600	H:2610	H:2610	H:2610	H:2650	H:2650	H:3270	H:3270	H:3300	H:3650	H:3300	H:3300	H:3500	

◆ Note: Controlling axes can be designed into 3+1 axes/4+1 axes/6+1 axes/8+1 axes/10+1 axes.

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

## Main Specification of TPM8

Main Specification		Unit	60T	100T		150T		225T	
Model			TPM8 060/2050	TPM8 100/3100	TPM8 100/4100	TPM8 150/3100	TPM8 150/4100	TPM8 225/3100	TPM8 225/4100
Bending Force	kN		600	1000	1000	1500	1500	2250	2250
Bending Length	mm		2050	3100	4100	3100	4100	3100	4100
Column Distance	mm		1600	2700	3700	2700	3700	2700	3700
Throat Depth	mm		350	410	410	410	410	410	410
Stroke of Ram	mm		215	215	215	215	215	215	215
Closed Height	mm		480	480	480	480	480	480	480
Speed	Approaching	mm/s	180	220	220	180	180	160	170
	Working	mm/s	18	17	17	14	14	12	12
	Return	mm/s	180	210	150	180	170	160	160
Main Motor Power	kW		6	10.8	10.8	13.2	13.2	16.7	16.7
Oil Tank Capacity	L		250	400	550	400	550	400	550
Backgauge	Precision	mm	+0.10	+0.10	+0.10	+0.10	+0.10	+0.10	+0.10
	Stroke	mm	500	500	500	500	500	500	500
	Speed	mm/s	400	400	400	400	400	400	400
	Power	kW	0.75	0.85	0.85	0.85	0.85	0.85	0.85
Dimension L×W×H	mm		L:2900	L:3950	L:4950	L:3970	L:4950	L:3980	L:4980
			W:1560	W:1700	W:1700	W:1720	W:1720	W:1960	W:1960
			H:2420	H:2600	H:2610	H:2610	H:2610	H:2650	H:2650

◆ Note: Controlling axes can be designed into 3+1 axes/4+1 axes/6+1 axes/8+1 axes/10+1 axes.

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

## Main Specification of TPM9

Main Specification		Unit	60T	100T		150T		225T	
Model			TPM9 060/2550	TPM9 100/3100	TPM9 100/4100	TPM9 150/3100	TPM9 150/4100	TPM9 225/3100	TPM9 225/4100
Bending Force	kN		600	1000	1000	1500	1500	2250	2250
Bending Length	mm		2550	3100	4100	3100	4100	3100	4100
Column Distance	mm		2150	2700	3700	2700	3700	2700	3700
Throat Depth	mm		350	420	420	420	420	420	420
Stroke of Ram	mm		215	265	265	265	265	265	265
Closed Height	mm		530	530	530	530	530	530	530
Speed	Approaching	mm/s	200	250	250	180	180	160	160
	Working	mm/s	20	20	15	14	14	12	12
	Return	mm/s	200	250	150	180	180	160	160
Main Motor Power	kW		6	13.2	10.8	13.2	13.2	16.7	16.7
Oil Tank Capacity	L		300	400	550	400	550	400	550
Backgauge	Precision	mm	+0.10	+0.10	+0.10	+0.10	+0.10	+0.10	+0.10
	Stroke	mm	500	500	500	500	500	500	500
	Speed	mm/s	400	400	400	400	400	400	400
	Power	kW	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Dimension L×W×H	mm		L:3400	L:3950	L:4950	L:3970	L:4970	L:3980	L:4980
			W:1500	W:1700	W:1700	W:1720	W:1720	W:1960	W:1960
			H:2510	H:2700	H:2710	H:2700	H:2700	H:2850	H:2850

◆ Note: Controlling axes can be designed into 3+1 axes/4+1 axes/6+1 axes/8+1 axes/10+1 axes.

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

## The CNC Bending Machine Series

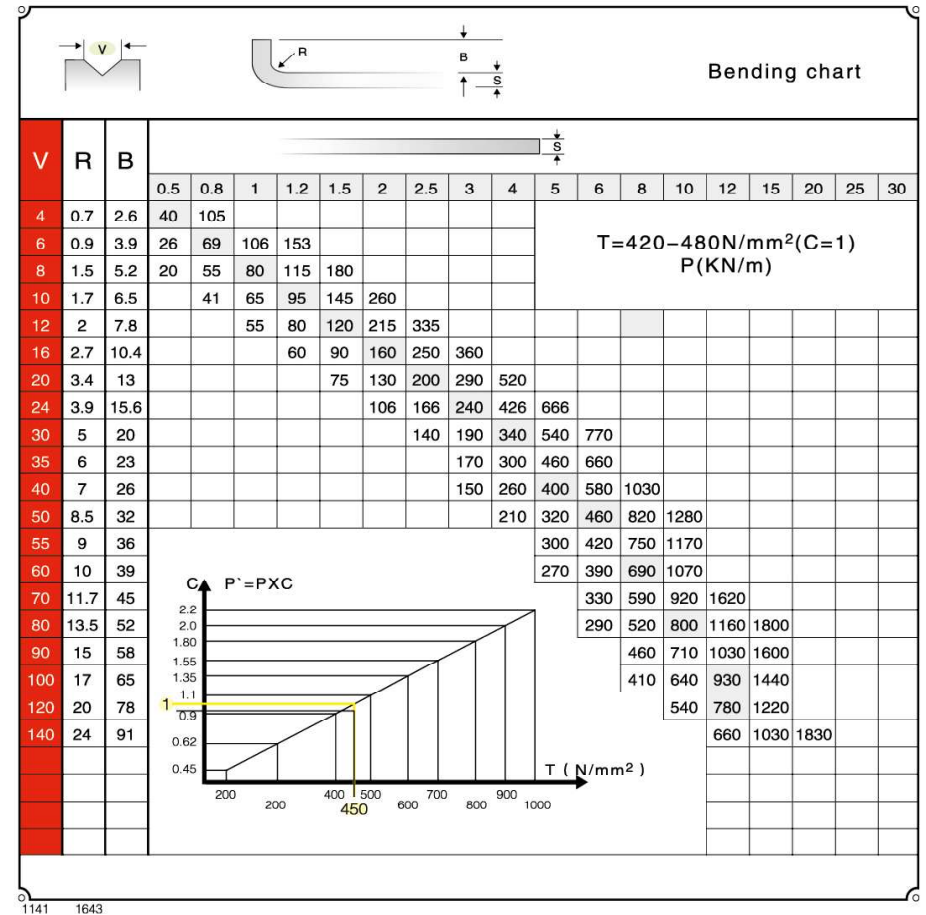


Max. Bending Length 1500mm-4100mm



Max. Bending Length above 4100mm

## Bending Tonnage Calculation Table (Reference)



◆ The calculation in the table is based on mild steel.



# CNC Bending Tooling

<p>10.10/86° 100T/m</p> <p>R=0.8</p>	<p>10.10/86°(120mm) 100T/m</p> <p>R=0.8</p>	<p>10.108/86° 50T/m</p> <p>R=0.3</p>	<p>10.109/86° 50T/m</p> <p>R=0.3</p>
<p>10.116/86° 20T/m</p> <p>R=0.3</p>	<p>10.12/35° 50T/m</p> <p>R=0.3</p>	<p>10.14/86° 70T/m</p> <p>R=0.3</p>	<p>10.146/86° 50T/m</p> <p>R=0.3</p>
<p>10.200/86° 40T/m</p> <p>R=0.3</p>	<p>10.200/86° (150mm) 30T/m</p> <p>R=0.3</p>	<p>10.202/86° 50T/m</p> <p>R=0.3</p>	<p>10.202/86° (150mm) 50T/m</p> <p>R=0.3</p>

<p>10.203/86° 80T/m</p> <p>R=0.8</p>	<p>10.210° 100T/m</p> <p>R=0.8</p>	<p>40.15</p>	<p>501/30° 50T/m</p>
<p>502/30° 60T/m</p>	<p>503/30° 70T/m</p>	<p>501/86° 60T/m</p>	<p>502/86° 70T/m</p>
<p>503/86° 70T/m</p>	<p>504/86° 100T/m</p>	<p>505/86° 100T/m</p>	<p>506/86° 100T/m</p>

## Backgauge

Standard dual-rail backgauge for lengths of 4100mm and below (single-rail backgauge for lengths above 4100mm)

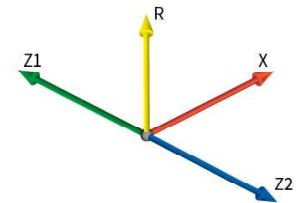
The large lead ballscrew and linear guideway from international famous company ensure the positioning accuracy of the machines. The full functional backgauge system can be extended up to six axis. The workpiece can be bent at whatever angle.



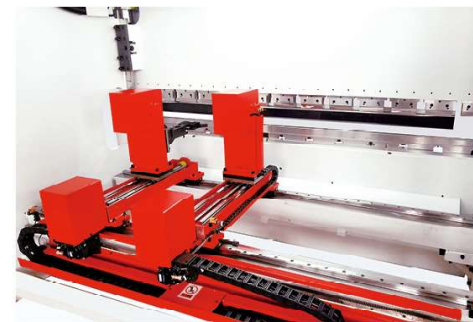
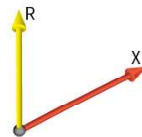
Backgauge: X Axis



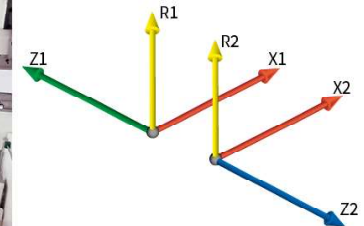
Backgauge: X, R, Z1, Z2



Backgauge: X, R



Backgauge: X1, X2, R1, R2, Z1, Z2



## CNC System

### DA53T System

- High resolution 10.1" full color LCD wide screen display.
- Industrial grade PCT toughened glass touch screen. Anti-scraping and gloves operation.
- The internal storage capacity is 1GB, and the material can be edited up to 99.
- Support flanging, big arc, one page tabular programming, support product search.



### DA66T System

- 2D touch screen graphic simulation
- 3D visualization in production mode
- 17" TFT color display
- Memory capacity 1 GB
- USB interfacing



### TJS-90T System

- 19" LCD/TFT touch screen
- 4GB CPU RAM, 64GB SSD
- Support remote control
- Multiple programming options



## ABM automatic bending unit



**JFY robot unit, intelligent choice for your easier and faster production.**

