



JFY

JFY INTERNATIONAL

CLEVER MANUFACTURING WINS!

MACHINES LIKE YOU: BUILT FOR REAL WORK

At JFY, we know what matters — getting the job done right.

Our machines are crafted with the same values you bring to your work: honesty, hard work and quality. We're not just another equipment provider, we're your partner in production.

1

Your ONE — stop shop for laser and bending!

Let us take care of all your laser cutting and bending needs, so you can focus on the things that really matter.

2

Turn sheet into money!

Trust us to turn your sheet metal into valuable products quicker, helping you outshine the competition.

3

Pay low prices, get World — Class Service!

Save money with our great prices and enjoy high-quality service that's just around the corner.

4

Ready, set, go!

Our machines let you dive right in with simple, intuitive controls — no learning curve, just results.



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JFY Services

FACTS AND FIGURES

The numbers that drive your success

One partner, all the solutions. With over 30 years of experience, JFY International is your go-to for comprehensive sheet metal processing. From 2D laser cutting to punching and bending, we cover the full spectrum of production technology.

OVER 30,000
MACHINES INSTALLED

WORLDWIDE NETWORK OF
47 DISTRIBUTORS

CUSTOMERS IN MORE THAN
50 COUNTRIES

OVER 2,500
MACHINES
SOLD ANNUALLY

650
EMPLOYEES

24/7
SERVICE SUPPORT

MORE THAN
30 YEARS
EXPERIENCE IN
SHEET METAL TECHNOLOGY

JFY MACHINES LIKE YOU





WHO WE ARE

Your global force in sheet metal

With over 30 years in the game, JFY knows what matters: machines that just work. Our full lineup of laser cutting, bending, and punching machines is trusted worldwide for its reliability and high performance. Backed by efficient production lines and a development center

focused on constant improvement, we've got the know-how to deliver tough, dependable machines that work as hard as you do. And with over 30,000 machines running worldwide, we're proven where it counts—on the shop floor. High performance, fair price, no nonsense.



Sheet metal technology that delivers

We've taken Beyeler's rock-solid bending tech and made it better. Our machines are built for precision and strength—big jobs or small, they don't back down. You get consistent, accurate results every time, so you can keep your production rolling without second-guessing your tools.

Serious value, low costs

JFY machines are designed to save you money where it matters. Energy-efficient and built for maximum output, they help keep your operating costs low. We've cut out the fluff to give you the best value without compromising on quality. You get more performance for less cost, straight up.

Built to last, ready to work

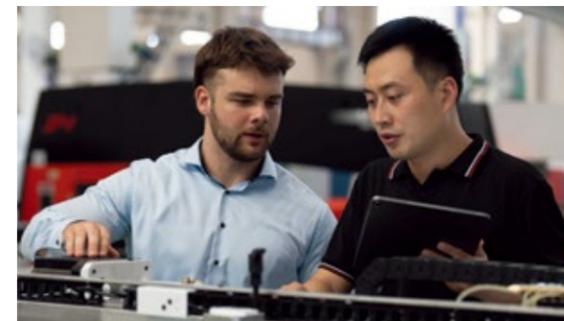
Tired of machines that let you down? JFY builds machines that are made to last. We don't do cheap. Our best-in-class technology means safety, reliability, and less downtime. You're investing in gear that keeps up with you—no cutting corners, just solid performance you can count on.

We've got your back

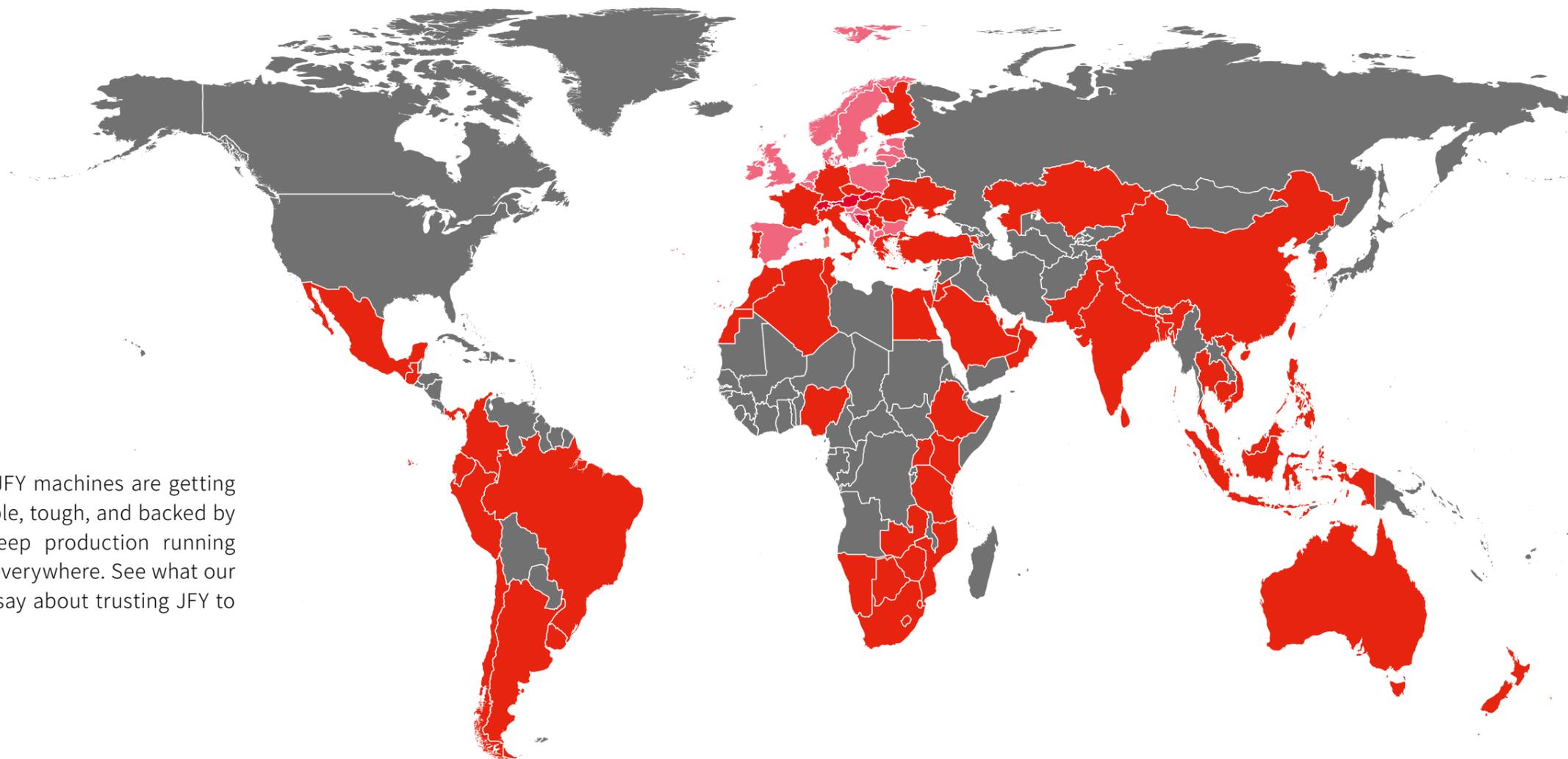
When it comes to keeping your machines running, we don't mess around. With quick delivery, competitive spare parts, and lifetime support, we make sure you stay up and running. And if something does go wrong, our local service network is ready to jump in and fix it, fast—so you're back to work with minimal downtime.

Global reach, local service

We're proud to be a global brand, but we never forget where we came from. With over 45 sales partners and teams in more than 50 countries, we've got local support wherever you are. Whether you're in Europe, Asia, Americas, or somewhere else, we're always close by, ready to help you keep moving.



BUILT FOR THE WORLD OF WORKS



Wherever you are, JFY machines are getting the job done. Reliable, tough, and backed by real service—we keep production running smoothly in shops everywhere. See what our customers have to say about trusting JFY to deliver.

Testimonials



The quality, value, and ease of use make selling JFY easy.

Mike Lee - Sales Director
Puma Machine Tools
South Africa



Our JFY pressbrake brought a significant boost to our productivity. We consider to expand our production with more JFY machines.

André Bett Bagio - Director
FACH INDÚSTRIA E COMÉRCIO DE EQUIPAMENTOS LTDA
Brazil



The JFY experience has been outstanding, and we've doubled our production thanks to its performance and reliability.

Sanpati Abdul Hamid - Factory manager of Quality Stainless Steelll Fabrication
UAE

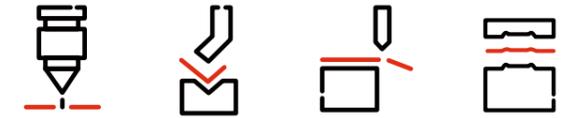


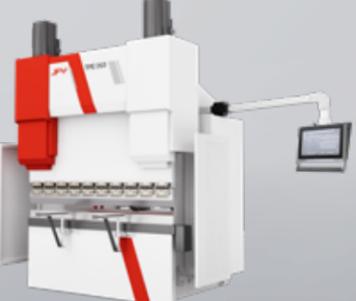
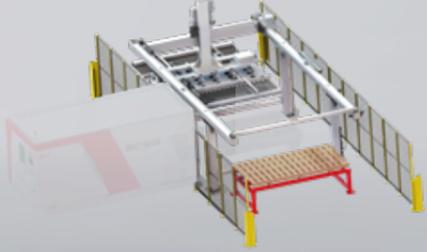
JFY's service support is very responsive. We have never experienced such a quick service.

Abhay Ranade - Director
Kelkar Auto Parts PVT, Ltd.
India

PRODUCT OVERVIEW

JFY - Your one stop-shop in sheet metal!



	<p>2D Laser</p>		<p>Shearing</p>	
<p>Bending</p>		<p>Electrical bending</p>		<p>Tube</p>
	<p>Punching</p>		<p>Storage and automation solution</p>	<p>Bus bar</p> 



LASER TECHNOLOGY

Cut time to market with JFY

When you need precise cuts without breaking the bank, JFY's 2D laser cutting machines deliver the best price-performance in no time. Whether you're working with thin or thick materials, you'll get the job done fast and right—

without overpaying. Count on simple, reliable machines that are easy to use, safe, and built to last. And with our support network, you stay up and running, so downtime doesn't cut into your profits.

BFC LASER CUTTING MACHINE

A high-performance laser machine which opens a broad spectrum of cutting applications for various industries.

Easy to operate

Ergonomic design and operation with extra-large screen and online monitoring of cutting performance.

Best price performance ratio

Reliable machine with higher cost effectiveness and professional manufacturing process.

High machine safety

The machine is fully enclosed and equipped with approved parts to prevent laser radiation hazards.

High-End optics and cutting quality

Good optics and cutting quality with fiber laser and BOCHU cutting unit.

Best in class service

Dense and professional service network with local and on-site support.

Up to 20 kW

BFC

STANDARD CONFIGURATION



Machine bed

- Machine bed in mortise and tenon welding structure, outstanding rigidity and stability.
- Sectional welding technology from German manufacturing standards makes the machine frame durable for long term without deformation.
- Outstanding shock-resistance thanks to finite element analysis.



Cross beam

- Cross beam of BFC series is made of high quality and lightweight steel with features of lightweight, well balanced weight bearing, and outstanding dynamic performance.



Laser source

- JFY Max New Generation Laser. This laser is characterized by high power, a compact size, excellent beam quality, and high light conversion efficiency. It is suitable for fine processing and high-frequency laser cutting.



CNC control

- BOCHU FSCUT control system is a full-solution control system specially designed for sheet metal fabrication industry, with features of easy to install and adjust, excellent performance, and fully integrated solutions.

TECHNICAL PARAMETER

Technical Data

		BFC 3015	BFC 4020	BFC 6025
		3/6/12/20 kW	3/6/12 kW	6/12/20 kW
Maximum capacity that can be processed				
X-axis	mm	1545	2050	2550
Y-axis	mm	3070	4050	6100
Z-axis	mm	310	260	300
Max. speed				
Simultaneous	m/min	140	140	140
Max. acceleration	g	1.7	1.7	1.7
Max. positioning speed	m/min	100	100	100
Accuracy				
Positioning deviation	mm/m	±0.03	±0.03	±0.03
Average positioning	mm	±0.03	±0.03	±0.03
Cutting accuracy	mm	±0.1	±0.1	±0.1
Machine performance				
CNC control		BOCHU FSCUT	BOCHU FSCUT	BOCHU FSCUT
Pallet changer change time	sec	14	18	23
Machine net weight	kg	≈ 7600	≈ 10000	≈ 16000

Laser Data

		JFY-MAX 3 kW	JFY-MAX 6 kW	JFY-MAX 12 kW	JFY-MAX 20 kW
Max. power	W	3000	6000	12000	20000
Cutting Unit		BOCHU BLT	BOCHU BLT	BOCHU BLT	BOCHU BLT
Wavelength	um	1080±10	1080±10	1080±10	1080±10
Output fiber optic diameter	um	50	100	100	100
Max. sheet thickness					
Mild steel	mm	22	25	40*	50
Stainless steel	mm	16	25	40*	50
Aluminum	mm	12	20	40*	50
Brass	mm	10	20	20	20

*Note: For the 12kW 4020 format, the maximum cutting thickness for the upper worktable is 40mm, and the lower worktable is recommended not more than 30mm.

BFC+

LASER CUTTING MACHINE

The BFC+ sets a new standard for productivity and cost-effectiveness. Equipped with TRUMPF TruFiber Laser the machine is extremely flexible and reliable.

Easy to use and program

BOCHU advanced control system and optional professional 2D-Laser offline programming provides best nesting and sheet utilization rate.

Best price performance ratio

The BFC+ combines welded machine bed, rigid cross beam, precise INOVANCE drives and TRUMPF laser technology at an unbeatable price.

Bulletproof machine safety

Machine equipped with high-standard components. Simultaneously equipped with enclosed protective housing and first-class laser safety window.

High-End optics and cutting quality

Proven optics and cutting quality through TRUMPF fiber laser and Precitec cutting unit. Qualified cutting parameters ensure professional cutting results.

Best in class service

Dense and professional service network with local and on-site support. Laser repair center in Germany guarantees minimum on downtime.

with

TRUMPF

TruFiber



STANDARD CONFIGURATION



TRUMPF TruFiber laser

- Unrivaled beam quality: Superior precision with better defined beam parameter product.
- Boosted power redundancy: High power redundancy, maintaining stable performance over a very long machine lifetime.
- Enhanced power stability: Consistent cutting performance with $\pm 1\%$ power stability.
- Uncompromised safety: Global safety standards with Performance Level e (PLe).



Cutting unit

Precitec Auto Focus Laser Cutting Unit as standard

- High cutting speeds due to low weight
- Process-stable machining of thick materials
- Easy and quick maintenance
- All-around dust contamination



German manufacturing standard

- SHW 5-Face machining center from Germany for all machining processes delivering high productivity with completely automatic multi-face machining and high-accuracy.
- Electronic detection devices exclusively assigned by TRUMPF are employed for guide rail installation to remove second time positioning, very suitable for long stroke machine installations.



Automatic exchange worktables

- Specially designed double exchange worktables of different heights can enable a worktable to be exchanged in a short period of time, significantly increasing the work efficiency.

TECHNICAL PARAMETER

Technical Data

		BFC+ 3015	BFC+ 4020	BFC+ 6025
		3/6/12 kW	3/6/12 kW	6/12 kW
Maximum capacity that can be processed				
X-axis	mm	1545	2050	2550
Y-axis	mm	3070	4050	6100
Z-axis	mm	310	260	300
Max. speed				
Simultaneous	m/min	140	140	140
Max. acceleration	g	1.7	1.7	1.7
Max. positioning speed	m/min	100	100	100
Accuracy				
Positioning deviation	mm/m	± 0.03	± 0.03	± 0.03
Average positioning	mm	± 0.03	± 0.03	± 0.03
Cutting accuracy	mm	± 0.1	± 0.1	± 0.1
Machine performance				
CNC control		BOCHU FSCUT	BOCHU FSCUT	BOCHU FSCUT
Pallet changer change time	sec	14	18	23
Machine net weight	kg	≈ 7600	≈ 10000	≈ 16000

Laser Data

		TruFiber G 3 kW	TruFiber G 6 kW	TruFiber G 12 kW
Max. power	W	3000	6000	12000
Cutting Unit		Precitec	Precitec	Precitec
Wavelength	um	1080 \pm 5	1080 \pm 5	1080 \pm 5
Output Fiber	um	100	100	100
Max. sheet thickness				
Mild steel	mm	22	25	40*
Stainless steel	mm	16	25	40*
Aluminum	mm	12	20	40*
Brass	mm	10	20	20
Copper	mm	6	10	14

*Note: For the 12kW 4020 format, the maximum cutting thickness for the upper worktable is 40mm, and the lower worktable is recommended not more than 30mm.

LTP LASER TUBE CUTTING MACHINE

High-precision tube processing equipment with maximum productivity and operating convenience.

Efficient production

Optional semi-automatic loading system enables high-volume and efficient production.

High-End cutting quality

Professional Tube control system and JFY Ray-tools auto-focus cutting unit and JFY Max Laser ensure the reliability of machine operation and high cutting quality of various tubes.

Accurate processing

Proven chuck ensures precise and accurate machine processing through reliable clamping by high precision gears, rack and pinion.



Easy to use and program

BOCHU control system with a large 19-inch screen by the ergonomic design and professional Tube offline programming provide best nesting and implementation of both basic and special cutting processes

Best in class service

Dense and professional service network with local and on-site support.

STANDARD CONFIGURATION



Laser source (JFY-MAX 3000W)

JFY Max New Generation Laser. This laser is characterized by high power, a compact size, excellent beam quality, and high light conversion efficiency. It is suitable for fine processing and high-frequency laser cutting.



Cutting unit

JFY-RayTools auto focus tube cutting unit

- Modular design with easy maintenance.
- 3 Cover glasses (top, middle and bottom) to protect collimation & focus lens.
- Dual water cooling circuits.
- IP65 class dustproof, patented cover glass cover plate. All-around dust prevention.
- Auto focus to reduce human intervention and improve piercing and cutting efficiency.
- Skinny nozzle structure to decrease interference.



CNC controller

BOCHU FSCUT is Bus System specially designed for tube cutting machine, with faster and more stable performance.

Features:

- 3D drawing input supportable (IGS, SAT, JHB)
- 19" big screen
- Part correction
- Rotation section
- Cutting unit avoidance
- Graphic cladding function
- Fast toolbar, easy to change the size and location of the part
- Real-time compensation of tube center deviation
- Real-time dynamic simulation, easy entering the program from any point
- Supports the editing of cutting paths for angle iron, channel steel, and H-beams

TECHNICAL PARAMETER

Technical Data			
		LTP 6022	LTP 6028
Maximum capacity that can be processed			
X-axis	mm	320	320
Y-axis	mm	6500	6500
Z-axis	mm	250	250
Workpiece			
Tube size in round ($t \geq 1$ mm)	mm	$\Phi 20 \sim \Phi 220$	$\Phi 20 \sim \Phi 280$
Tube size in square ($t \geq 1$ mm)	mm	$\square 20 \sim \square 150$	$\square 20 \sim \square 220$
Max. weight of tube	kg	250	400
Max. speed			
Max. acceleration	g	1.2	0.8
Max. positioning speed	m/min	100	80
Accuracy			
Positioning precision	mm/m	± 0.03	± 0.03
Repositioning precision	mm	± 0.03	± 0.03
Machine performance			
CNC control		FSCUT 5000	FSCUT 5000
Rotation of B1, B2 axes	degree	360°	360°
Max. rotation of chuck	r/min	100	60

Laser Data			
		JFY-MAX 3 kW	
Max. power	W	3000	
Cutting unit		JFY-Raytools	
Wavelength	um	1080±10	
Output fiber optic diameter	um	50	
Max. thickness			
Mild steel	mm	8	
Stainless steel	mm	4	
Aluminum	mm	2	
Brass	mm	3	



BENDING TECHNOLOGY

Bend limits with JFY

When you need to get more out of every bend, JFY's machines are up for the job. Our Bending technology gives you reliable performance and easy setup, so you spend less time figuring it out and more time getting things done. Whether you're working on tight precision or heavy-duty jobs, you get consistent, accurate

bends without worrying about breakdowns. With modern controls and top-notch safety features, you can push your production further without the hassle of complicated systems. Proven durability and reliable performance—that's bending with JFY.

TPM SERIES PRESS BRAKE

The TPM is the cost-effective bending machine with proven technology of high stability and reliability, provides higher productivity and energy saving through servo motor.

Best price performance ratio

The TPM achieves exceptional productivity due to its rigid frame structure, durable mechanical crowning, and an automatic compensation system that ensures workpiece linearity and precise bending angles. Additionally, the user-friendly TJS control accelerates job preparation.

Easy to operate

The TJS system is equipped with touch screen, featuring digital programming, 2D programming, making the operation much easier.

High efficiency and energy conservation

Full servo motor control, compared with asynchronous motor products, saves over 40% of energy. The independent oil tank design is more fuel-efficient.

Best in class service

Dense and professional service network with local and on-site support.

Tooling

Comprehensive tooling solutions and attractive starter packages for beginners and pros.



TPM STANDARD CONFIGURATION



New oil tank

- The independent tank design can better ensure the reliability of the hydraulic system.
- Only 220L of hydraulic oil is required, which is 45% lower than the same period of the previous year, greatly reducing the user's cost of use.
- The whole machine is shipped with pre-installed hydraulic oil. Saves user preparation and setup time.



Servo motor

- The servo motor as the main power source of the hydraulic pump, can produce energy savings of about 40% compared to AC motor.
- The oil temperature is largely reduced.



Backgauge system

- High speed and high positioning accuracy.
- Multi-functional backgauge which can be extended from standard 2-axis backgauge up to 4-axis backgauge.



TJS control

- Windows 10 Enterprise, 15 "LCD touch screen, resolution 1024 * 768, with multi touch supportable.
- Digital / 2D graphic contour programming technology, automatic bending process preparation and bending simulation.
- Supporting JFY tooling library, customized tooling can be imported with CAD file.
- Automatic angle correction database, self-learning tolerance data table, automatic workpiece counting function.



Mechanical crowning system

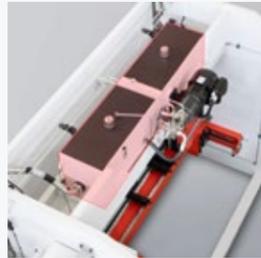
- Mechanical Crowning is a bi-directional adjustable structure, which can meet the compensation adjustment of the machine tool in the horizontal and vertical directions, adoption of dense point compensation makes the bending accuracy more accurate.
- Adoption of special reducer and high-precision potentiometer control, precise control of compensation accuracy value.

TECHNICAL PARAMETER

Technical Data

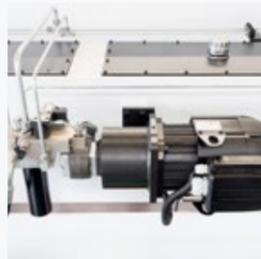
Model	Unit	TPM 060		TPM 100		TPM 150		TPM 225		TPM 320	
Length		1500	2050	3100	4100	3100	4100	3100	4100	3100	4100
Max. Bending Force	kN	600	600	1000	1000	1500	1500	2250	2250	3200	3200
Max. Bending Length	mm	1500	2050	3100	4100	3100	4100	3100	4100	3100	4100
Column Distance	mm	1200	1600	2700	3700	2700	3700	2700	3700	2700	3700
Throat Depth	mm	350	350	410	410	410	410	410	410	410	410
Ram Stroke	mm	215	215	215	215	215	215	215	215	315	315
Closed Height	mm	575	575	575	575	575	575	575	575	680	680
Approaching Speed	mm/s	160	180	220	220	180	180	160	170	120	120
Working Speed	mm/s	15.5	15.5	16	16	13	13	11	11	9	9
Return Speed	mm/s	180	180	190	180	170	170	160	160	110	110
Main Motor Power	kW	5.5	5.5	8.5	8.5	12.4	12.4	17.8	17.8	21.4	21.4
Oil Tank Capacity	L	100	100	220	220	220	220	220	220	220	220
Dimension LxWxH	mm	2350	2900	3950	4950	3970	4950	3980	4980	4000	5000
	mm	1600	1600	1700	1700	1780	1820	1960	1960	2200	2200
	mm	2530	2530	2630	2660	2640	2810	2680	2860	3350	3390

TPM⁺ STANDARD CONFIGURATION



New oil tank

- The independent tank design can better ensure the reliability of the hydraulic system.
- Only 220L of hydraulic oil is required, which is 45% lower than the same period of the previous year, greatly reducing the user's cost of use.
- The whole machine is shipped with pre-installed hydraulic oil. Saves user preparation and setup time.



Servo motor

- The servo motor as the main power source of the hydraulic pump, can produce energy savings of about 40% compared to AC motor.
- Ram efficiency 10-15% higher than TPM.
- The oil temperature is largely reduced.



Backgauge system

- High speed and high positioning accuracy.
- Multi-functional backgauge which can be extended from standard 2-axis backgauge up to 6-axis backgauge.



TJS control

- Windows 10 Enterprise, 19" LCD touch screen, resolution 1280 * 1024, with multi touch upportable.
- Supporting functions of CAD file import (DXF), 3D file import (IGS), flexible automatic calculation of bending process, and collision detection of workpiece, mold, and fuselage.
- Special curve analysis software for machine to achieve real-time collection of axis position information.
- Remote diagnosis function helps users to solve the infrequent problems on site. File network transmission function, easy to operate.



Hydraulic crowning system

- The hydraulic auto crowning system is adopted to eliminate the effect of the deformed sliding block during bending, as it may affect bending quality.
- The crowning value, being automatically adjusted by the CNC system, is both convenient and accurate.

TECHNICAL PARAMETER

Technical Data

Model	Unit	TPM ⁺ 100		TPM ⁺ 150		TPM ⁺ 225		TPM ⁺ 320		
Length		3100	4100	3100	4100	3100	4100	3100	4100	
Max. Bending Force	kN	1000	1000	1500	1500	2250	2250	3200	3200	
Max. Bending Length	mm	3100	4100	3100	4100	3100	4100	3100	4100	
Column Distance	mm	2700	3700	2700	3700	2700	3700	2700	3700	
Throat Depth	mm	410	410	410	410	410	410	410	410	
Ram Stroke	mm	215	215	215	215	215	215	315	315	
Closed Height	Electrical	mm	575	575	575	575	575	575	680	680
	Hydraulic	mm	480	480	480	480	480	480	580	580
Approaching Speed	mm/s	220	220	180	180	160	170	120	120	
Working Speed	mm/s	18	18	16	16	13	13	10	10	
Return Speed	mm/s	220	220	180	180	170	170	130	130	
Main Motor Power	kW	12.4	12.4	17.8	17.8	21.4	21.4	25.2	25.2	
Oil Tank Capacity	kW	220	220	220	220	220	220	220	220	
Dimension LxWxH	mm	3950	4950	3970	4950	3980	4980	4000	5000	
	mm	1700	1700	1780	1820	1960	1960	2200	2200	
	mm	2630	2660	2640	2810	2650	2650	3350	3390	

TPE SERIES PRESS BRAKE

Need efficient bending for small parts? The TPE Press Brake from JFY offers cutting-edge all-electric technology, increasing processing efficiency by over 1.5 times while saving more than 70% on energy costs. Experience precision and eco-friendliness in one compact machine!

Efficient bending

Direct-drive servo motor increases processing efficiency by more than 1.5 times compared to traditional hydraulic press brakes.

Carefree maintenance and service

Compact machine body as well as simple drive principle enable a flexible installation and cost-effective maintenance.



Green and energy efficient

The servo pure electric drive enables you to not only save over 70% of energy costs, but also contribute to environmental protection.

Stable and precise

Bending speed can be adjusted for different workpieces. By using optimal algorithms and motion trajectory control the bending precision is enhanced.

Best in class service

Dense and professional service network with local and on-site support.

NEW

All-electric

TPE STANDARD CONFIGURATION



Electric drive system

- Direct-drive servo motor offers a high response speed, enabling processing efficiency over 1.5 times higher than that of a traditional hydraulic press brake.



Backgauge system

- Experience swift and precise backgauge positioning, delivering high-speed performance and accuracy.
- Enjoy the flexibility of expanding from the standard 2-axis configuration to a 4-axis setup.
- The utilization of a robust box-type structure ensures long-term stability and reliable operation.
- The backgauge system uses a reinforced guide mechanism to minimize the interference of positioning jitter on positioning accuracy.



Tooling

- Precise manufacturing allows replacement of single segments.
- Suitable for huge bandwidth of applications for different materials and thicknesses.
- Expert team standing by for all requirements and applications.



Mechanical crowning system

- Mechanical Crowning is a bi-directional adjustable structure, which can meet the compensation adjustment of the machine tool in the horizontal and vertical directions, adoption of dense point compensation makes the bending accuracy more accurate.
- Adoption of special reducer and high-precision potentiometer control, precise control of compensation accuracy value.

TECHNICAL PARAMETER

Technical Data

Model	Unit	TPE8 50			
		TPE8 40	TPE8 50	TPE 060	TPE 060
Length		1300	1500	2050	2050
Max. Bending Force	kN	400	500	500	600
Max. Bending Length	mm	1300	1500	2050	2050
Column Distance	mm	1100	1200	1600	1600
Throat Depth	mm	300	300	300	350
Ram Stroke	mm	165	165	165	165
Closed Height	mm	420	520	520	520
Approaching Speed	mm/s	160	160	160	160
Working speed	mm/s	30	30	30	30
Return speed	mm/s	160	160	160	160
Main motor power	kW	2x15	2x15	2x15	2x23
Dimension LxWxH	mm	2100	2200	2900	2602 2816 (Light curtain)
	mm	1580	1650	1650	1775
	mm	2900	2900	2900	3179

TANDEM BENDING MACHINE

Tandem bending machines can be used in a flexible way to bend either longprofiles or as small parts if they are used independently. Up to 400T.

Improve production efficiency

The bending machine tandem technology allows you to add the productivity of two bending machines, increasing productivity and reducing production time and costs.

Wide range of applications

Tandem technology is suitable for bending machines of different tonnage lengths, which can be linked to achieve more efficient production.

Increased production flexibility

Tandem technology can be freely adjusted and changed according to different production needs, thus improving production flexibility and adapting to different production environments and needs.

Diverse system options

Either TJS or DELEM CNCs can be used on tandem machines.





PUNCHING TECHNOLOGY

Punch efficiencies with JFY

Punching encompasses far more than just making holes in sheets. You can manufacture complete parts on a punching machine. Re-shaping processes opens new productivity

dimensions for your company. With appropriate loading and unloading systems, you can even automate your production.

MT TURRET PUNCHING MACHINE

High performance punching machine with high stability and low investment costs. MT300E is among the leading turret punching machines in China with a market share of more than 20%.



Wide variety of options

Available in small, medium and large formats, and a variety of turntable station configurations to meet customers' different sheet metal processing needs.

Automation upgrade

Provide automated communication interface to meet the needs of customers to expand automatic loading and unloading, achieve uninterrupted processing, and improve production capacity.

Easy to use

Stable operation thanks to the special FANUC CNC system. The professional programming software can significantly improve the operation reliability.

Best in class service

Dense and professional service network with local and on-site support.

MT300E STANDARD CONFIGURATION



Servo punching

- MT300E boasts a high-torque, direct-drive servo motor and driving unit with high overload capacity to achieve low energy consumption, high transmission efficiency, reliable performance, and convenient maintenance.
- The punch stroke can be selected automatically according to the thickness of the sheet, improving the work efficiency.
- The punching speed is adjustable, allowing the machine to achieve high speed during idle operation and low speed during punching, which can effectively improve the quality of punching and reduce the noise generated by punching.



Feeding structure

- Both the X axis and Y axis feeding bases are driven directly by servo motors with high-precision ball screws, offering fast dynamic response and rapid movement speed.
- The gantry and feeding base adopt a split-type connection design, which has good rigidity, low center of gravity, and ensures a significant reduction in gantry vibration.



Turret manufacture

- Turrets are machined in pairs with to ensure that the lower and upper turret are coaxial. As the turret structure has been simplified by using bushing structure, the service life of the turret has been largely increased.



Machine frame

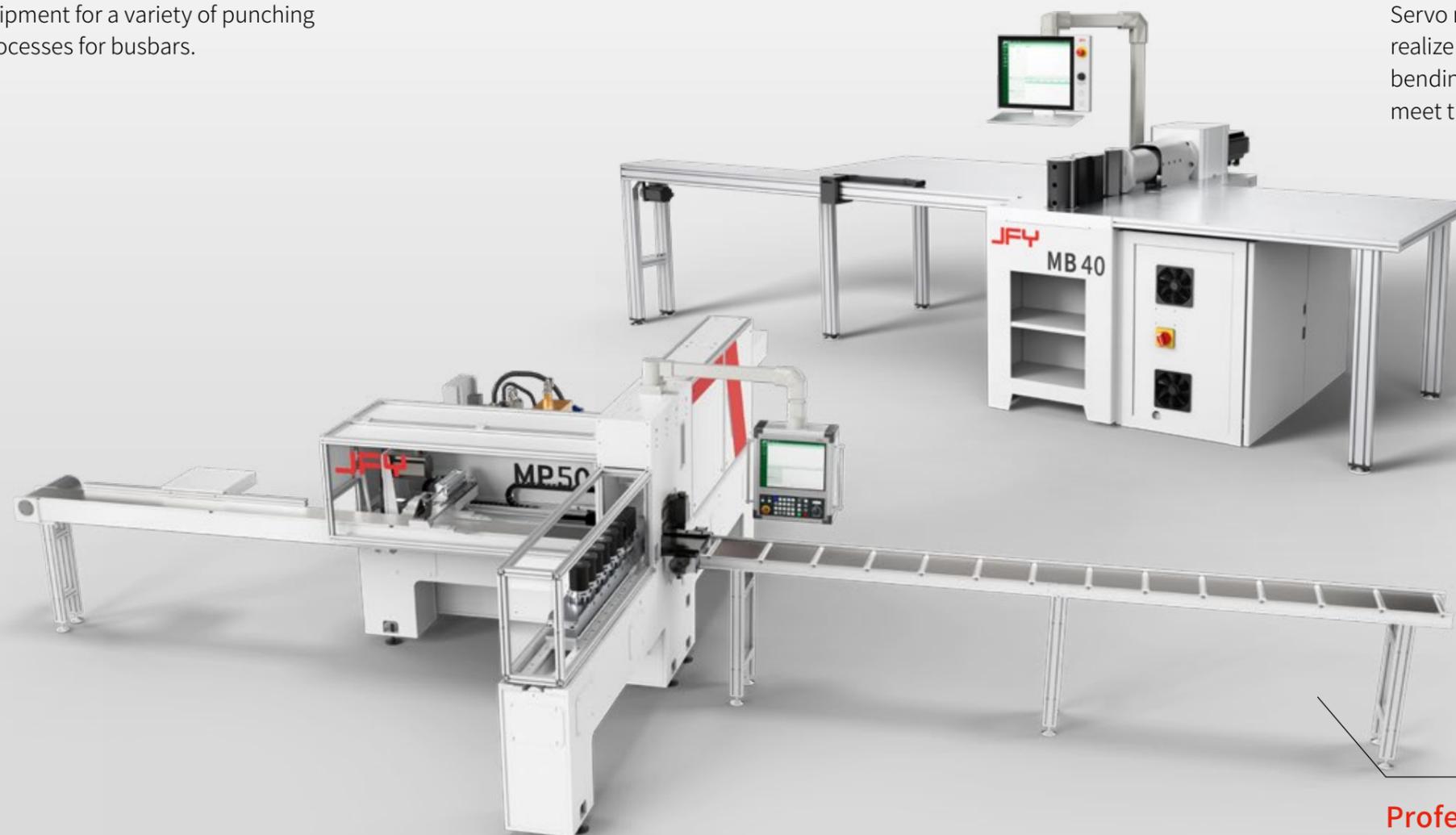
- Closed fuselage structure, after finite element design and analysis, is welded with high-strength steel plate, and the internal stress is released to the maximum extent through vibration aging treatment. Ensure sufficient strength and stability of the fuselage.
- The entire frame is processed in one go by the German SHW pentahedral machining center. Ensure machining accuracy of 0.02mm for key parts.

TECHNICAL PARAMETER

Technical Data			
Model	MT300E		
Max. punch force	300 kN		
Main driving type	Single servo motor		
CNC system	FANUC CNC system		
Max. sheet processing size (with one time repositioning)	5000x1250 mm	5000x1500 mm	5000x2000 mm
No. of clamps	3 pcs		
Max. processing sheet thickness	6 mm (Mild steel)		
Max. punch diameter per time	Φ88.9 mm		
Max. punch hit at 1mm pitch	780 hpm		
Max. punch hit at 25.4mm pitch	400 hpm		
Max. marking speed	2000 hpm		
Max. punch stroke	32 mm		
No. of stations	32 pcs		
No. of auto index	2 pcs		
No. of controlling axis	5 (X, Y, V, T, C)		
Tooling type	Long Type		
Max. feeding speed	X Axis	80 m/min	
	Y Axis	80 m/min	
	XY Combined	113 m/min	
Worktable Selection	For thickness 3mm and below	Fine Brush Fixed Worktable	
	For thickness 3-4mm	Brushed Steel Ball Fixed Worktable	
	For thickness 4-6mm	All Steel Ball Fixed Worktable	
Turret speed	30 rpm		
Punching accuracy	±0.1 mm		
Power supply capacity	45 kVA		
Air pressure	0.55 MPa		
Air consumption	250 L/min		
Dimension	5260x5200x2360 mm	5760x5200x2360 mm	6760x5200x2360 mm

MP50/MB40 BUSBAR MACHINE

Specialized equipment for a variety of punching and bending processes for busbars.



Precision and reliability

Servo motor drive ensures precise bending angle and can realize many kinds of bending such as flat bending, vertical bending, twisting bending, U-shape bending, etc., and can meet the high standard requirements of customers.

Easy to operate

Perfect software and system, can realize multiple parts programming, automatic nesting and complete the whole set of scheme, easy to learn and use.

Professional production and services

Professional remote and field service and fast spare parts support ensure timely response to customer needs.

Punching and shearing function in one unit

Support two kinds of mold station selection, not only can process a variety of hole types, but also support shearing, embossing and other functions, high processing efficiency, to adapt to diversified production needs.



MP50 STANDARD CONFIGURATION



Double hydraulic punch heads

- The moving part of punch head is driven by servo motor and lead screw. It adopts large and small tonnage double oil cylinder for stamping. The double oil cylinder is designed and manufactured in an integrated way and arranged in front and back.



Tool stations

- The upper and lower die bases adopt linear die bases, and the tools are arranged along the straight line. There are two configurations: 6 punching, 1 shearing, 1 embossing and 7 punching, 1 shearing.
- All tools changing is at the moving shield of the machine, ensuring that the tools changing is simple and convenient.



Automatic lubrication

- MP50 is equipped with centralized automatic lubrication unit as standard, which can provide lubricating grease to each lubrication point regularly and quantitatively, and reduce the friction of the moving pair, realize the long-term efficient and high-precision work of the equipment.



Copper feeding structure

- The loading table is made of aluminum profiles, stainless steel panels and rollers, which is light weight, heavy bearing and not easy to wear.
- Unloading adopts stainless steel chain movement, driven by unloading motor, to transport the processed copper rows to the designated position.

TECHNICAL PARAMETER

Technical Data

Model	Unit	MP50
Nominal force	kN	500 (shearing & embossing) 400 (punching)
Max. positioning speed (X/Y axis)	m/min	80
Max. feeding stroke (X axis)	mm	1000
Max. toolingmovementstroke (Y axis)	mm	1700
Max. punching toolingmovementstroke (V axis)	mm	400
Max. punching frequency (400kN)	hpm	120
Tooling stations	piece	6+1+1 (optional 7+1)
Controlled Axes	number	3
Pitching accuracy	mm	$\pm[0.1+(L/4000)]$ mm (Within ± 0.2 mm for $L \leq 400$)
Max. plate thickness for punching	mm	15 mm for copper, 10 mm for steel
Workpiece size (L * W)	mm	6000 * 200
Max. punching diameter	mm	$\Phi 32$ mm for copper bars
Max. cylinder stroke	mm	60 (500 kN) 30 (400 kN)
Max. shearing width	mm	200 mm for copper bars
Max. embossing area	mm ²	160 x 80
Max. hydraulic pressure	bar	270
Air pressure	Mpa	0.6
Dimensions (L * W * H)	mm	8500 x 5400 x 1800

MB40 STANDARD CONFIGURATION



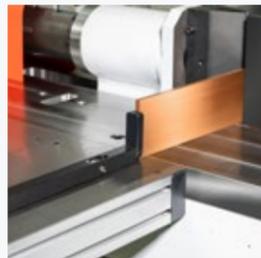
HMI design

- The control interface adopts a new color combination, the display is more refreshing, eye-catching and easy to identify.
- The combination of programming software and operation interface simplifies user operation; the bending interface and stamping interface are unified in style, which is convenient for users to operate.



High precision bending

- Adopting servo motor and reducer to drive the screw movement, high running efficiency and good bending precision.
- The maximum bending stroke is 200 mm which can meet the needs of all bending types.



Backgauge

- The backgauge is constructed with aluminum profiles, which makes it lightweight and aesthetically pleasing. The backgauge stroke is 2000mm, with fast response speed and high positioning accuracy.
- The backgauge drive uses a servo motor to drive the guide screw via a timing pulley, with integrated support units at both the motor and screw ends, ensuring stable transmission and high precision.



Tooling

- Standard concave-convex tools are available for selection, including R5, R10, R15 convex tools, and V32, V40, V63, V90 opening concave tools.

TECHNICAL PARAMETER

Technical Data

Model	Unit	MB40
Nominal Force	kN	400
Main Drive	/	Servo Motor
Bending accuracy	°	±0.2
Max.bending angle	°	95
Working speed	mm/s	0-13 Adjustable
Quick return speed	mm/s	50
Max.working stroke	mm	200
Backgauge Stroke	mm	2000
Total Power	KW	7
Max.vertical bending size	mm	200 x 15 (W x T)
U-shaped bending width (Optional)	mm	60
Max.flat bending size (Optional)	mm	125 x 10 (W x T)
Dimensions (L x W x H)	mm	4300 x 2200 x 1690

VR SERIES CNC GUILLOTINE SHEARING MACHINE



Easy to operate

Holland Delem CNC system, precise control of the rear gear, shear stroke, shear angle and upper and lower knife blade clearance, so that the shear work more easily and efficiently.

Highly dynamic response

High-performance linear guides, ball screw drive large stroke backstop, speed up to 250mm / s, stroke up to 1000mm.

Precision shearing

The shear stroke is automatically adjusted, realizing fast and precise shearing of different sizes of workpieces and improving production efficiency.

Intelligent adjustment

According to the different thickness and material of the board, the system automatically adjusts the gap between the upper and lower blades to improve the shear quality.

STANDARD CONFIGURATION



Hydraulic system

- Equipped with BOSCH-REXROTH integrated hydraulic system to reduce oil piping installation, avoid leakage, and improve machine stability.



Back supporter

- When shearing long and thin sheets, the back supporter can automatically support the sheet to increase the shearing precision.



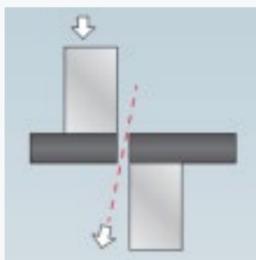
Shear angle and ram stroke

- Shear angle can be adjusted easily through programming so that the twisting during the shearing process can be largely reduced. Ram stroke can be automatically adjusted for fast and precise shearing of short parts.



Blades

- High quality 4-side blades are used to largely increase the lifetime of blades.



Blade gap

- Blade gap can be automatically adjusted by CNC system based on different materials and thicknesses, to increase the shearing quality.

TECHNICAL PARAMETER

Technical Data

Model		Unit	VR6 2500	VR6 3000	VR6 4000	VR8 3000	VR8 4000	VR10 4000
Shearing Thickness (mm)	Mild Steel 450	Mpa	0.5-6	0.5-6	0.5-6	0.8-8	0.8-8	0.8-10
	Stainless Steel 600	Mpa	0.5-4	0.5-4	0.5-4	0.8-5	0.8-5	0.8-6
	Aluminum 300	Mpa	0.5-8	0.5-8	0.5-8	0.8-10	0.8-10	0.8-12
Shearing Length		mm	2500	3070	4070	2500	3070	4070
Shearing Angle		°	0.5-2	0.5-2	0.5-2	0.5-2	0.5-2	0.5-2
Back-gauge	Stroke	mm	5-1000	5-1000	5-1000	5-1000	5-1000	5-1000
	Speed	mm/s	≤ 250	≤ 250	≤ 250	≤ 250	≤ 250	≤ 250
	Accuracy	mm	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1
	Servo Motor Power	kW	1.0	1.0	1.0	1.0	1.0	1.0
Stroke Times		times/min	18~32	16~30	16~34	14~25	14~32	12~32
Oil Tank Capacity		L	230	230	230	230	230	370
QTY of Clamping		No.	12	14	18	14	18	18
Main Motor Power		kW	11	11	11	15	15	22
CNC System		/	DELEM DAC360TX CNC system controlling shearing angle, blades gap, and shearing stroke.					
QTY and length of support arm		mm	3 x 1400	3 x 1400	4 x 1400	3 x 1400	4 x 1100	4 x 1400
Dimension	Length	mm	3220	3700	4710	3740	4740	4770
	Width	mm	3040	3040	3040	3040	3040	3040
	Height	mm	1745	1745	1745	1750	1745	1850

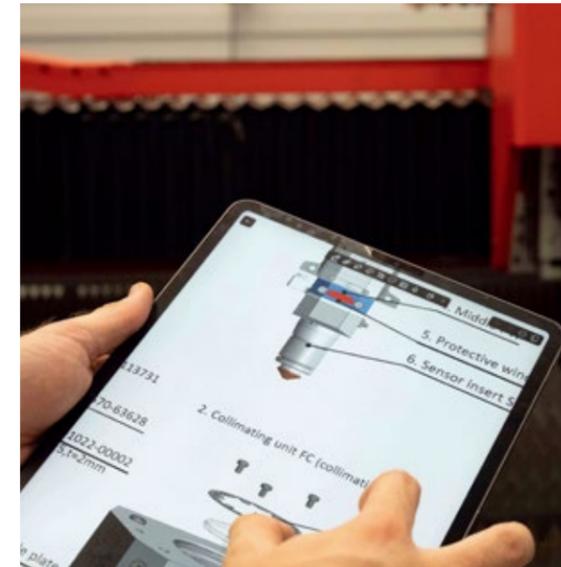


JFY SERVICES

We've got your back, every step of the way

To keep you ahead of the game, you need a partner you can count on. At JFY, we're more than just a service provider — we're in this for the long haul, just like you. Whether it's optimizing your production setup or getting the most out of your JFY

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1

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Take advantage of our fast, local support to minimize downtime and keep your production running smoothly when it matters most. Our expert engineers provide complete technical support, with 50 % of issues solved through our hotline for maximum uptime.

2

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3

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4

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6

Tooling

Get the right tools for the job with our 40 standard and 200+ specialized bending tools, offering durable, cost-effective solutions.

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sales@jfy-international.com

service@jfy-international.com



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