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**CRAFTING PRECISION  
SHAPING TOMORROW**

# COMPANY OVERVIEW

**ADK ENGINEERING & SOLUTIONS**, We're shaping the future as well as illuminating it with the brilliance of sheet metal industries. As a premier provider of cutting-edge sheet metal industries, we stand at the forefront of innovation, pushing the boundaries of what's possible in industries ranging from healthcare to manufacturing, telecommunications to entertainment.

We pioneer innovation in precision engineering to redefine the future of manufacturing. With a relentless commitment to excellence, we specialize in designing, manufacturing and delivering all kind of sheet metal solutions that empower industries worldwide

**ADK ENGINEERING & SOLUTIONS**, our commitment to customer satisfaction extends far beyond the point of sale. We understand that the true measure of our success lies not only in the quality of our products but also in the level of support and service we provide to our valued customers.

## OUR APPROACH:

After sales service is more than just a department—it's a philosophy ingrained in everything we do. From the moment you choose **ADK ENGINEERING & SOLUTIONS**, you become part of our extended family, and we are dedicated to ensuring your continued success.

### PRE SALE SERVICE

ADK prioritize customer satisfaction. Our team of experts provides personalized consultation to understand your unique requirements and recommend tailored solutions that drive success.

### SALES OF SERVICE

We will try to treat every customer honestly and fairness

### AFTER SALES SERVICE

Experience uninterrupted precision with our dedicated after-sales service for machinery. Our expert technicians ensure seamless maintenance and swift resolutions, Keeping your operations running smoothly. "Trust in our commitment to excellence, even beyond the purchase."

## COMPREHENSIVE SUPPORT

Our after sales service encompasses a wide range of offerings designed to meet your needs at every stage of the product lifecycle.

- ▶ **Installation and Training:** Our experienced engineers are on hand to ensure the seamless installation and setup of your machinery. We provide comprehensive training programs to empower your team with the knowledge and skills needed to maximize productivity and efficiency.
- ▶ **Ongoing Maintenance:** Regular maintenance is essential to keep your equipment running smoothly and prevent costly downtime. Our service technicians are available to perform routine inspections, repairs, and upgrades to ensure optimal performance and reliability.
- ▶ **Technical Support:** Have a question or encountering an issue? Our dedicated technical support team is just a phone call away. With prompt, knowledgeable assistance, we'll help troubleshoot any issues and provide solutions to keep your operations running smoothly.
- ▶ **Spare Parts Availability:** We understand that time is of the essence when it comes to equipment repairs. That's why we maintain a comprehensive inventory of spare parts, ensuring quick turnaround times and minimizing disruptions to your workflow.
- ▶ **Upgrades and Enhancements:** As technology evolves, so do our products. We offer upgrade packages and enhancements to keep your machinery at the forefront of innovation, enabling you to maintain a competitive edge in your industry.

**Customer-Centric Approach:** At the heart of our after sales service is a commitment to putting our customers first. We listen to your feedback, anticipate your needs, and tailor our services to meet your specific requirements. Your success is our success, and we'll go above and beyond to ensure that you achieve your goals. **Building Long-Term Relationships:** Our goal is not just to sell machines but to build lasting partnerships with our customers. Through our unwavering dedication to after sales service, we aim to earn your trust and loyalty, becoming a trusted advisor and partner in your journey towards success.

**ADK ENGINEERING & SOLUTIONS,** Our commitment to excellence extends far beyond the initial purchase. With our comprehensive after sales service, we're here to support you every step of the way, ensuring that your investment continues to deliver value for years to come.

**ADK ENGINEERING & SOLUTIONS,** We don't just build machines—we shape the future of manufacturing. Join us on our journey as we continue to push the boundaries of what's possible, one laser beam at a time.

# EXPEDITIONS TO SUCCESS

Installed 1st Fiber  
Laser Cutting  
Machine &  
8 Plasma Cutting  
Machine.

Within two years of  
span ADK has been  
served 100+ customer  
with good technical  
solutions.

Launch Fiber Laser  
Welding Machine.  
Achievement to  
Install 48 Machines  
in 6 months  
during global  
pandemic.

2015

2016

2017

2018

2019

2020

Born of the  
ADK Engineering &  
solutions with goal  
of our MD'S to provide  
best technical & budget  
friendly solution with  
good service support.

Got the market  
acceptance for our  
product. expanding  
sales & service network  
& participating in tech  
fair to boost ADK brand.

Launch Press  
Brake Machine  
& Peb Machinery.



India's 1st 30KW  
Fiber Laser  
Cutting Machine &  
crossed 400+  
successful installation.

Another milestone achieved!  
121 more satisfied customers  
are now part of the ADK family  
with a 20 KW order!

**2021**

**2022**

**2023**

**2024**

**2025**

ADK has installed  
machine in limited  
company & govt.  
sector like ISRO.

3000x24000 mtr long  
table size Laser machine  
order with first time ever  
& crossed 550+ installation.

Vision to add 251+  
new Satisfied Customer  
in the ADK family.

## Industrial Pioneer Series

The Exchange Table Machine is an Industrial Pioneer Series. The bed is welded with super Heavy Steel Pipe and plates. Quick Exchange significantly improves production efficiency and saves labour costs.

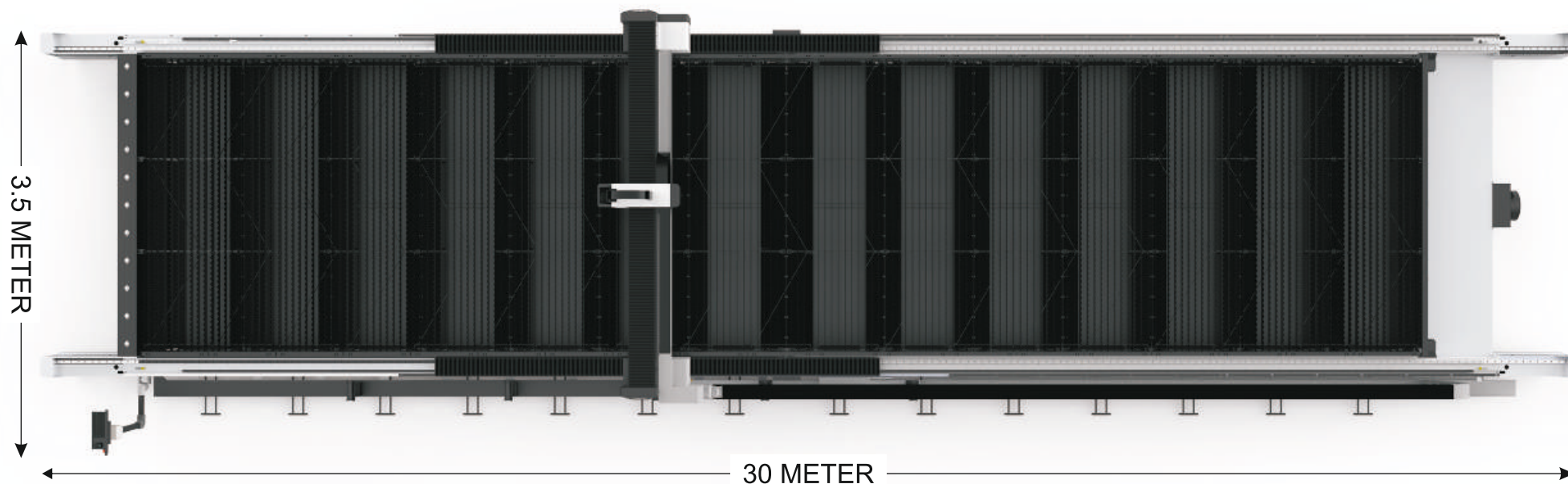


### TECHNICAL PARAMETERS

Model	ADK 3015 C	ADK 6515 C	ADK 6520 C	ADK 6525 C
Working Area (mm)	3000 x 1500	6500 x 1500	6500 x 2000	6500 x 2500
Speed (m/min)	100			
Accuracy (mm)	±0.03			
Machine Capacity (KW)	Up to 60KW			
Power Source	RAYCUS, IPG, MAX PHOTONICS			

## Futuristic Laser Series

Super large heavy duty structure, which greatly improves the productivity.  
these high power has the excellent cutting ability of larger plate with smooth cutting finish.



### TECHNICAL PARAMETERS

Model	ADK 8025 SL	ADK 14030 SL	ADK 24035 SL
Working Area (mm)	2500 x 8000	3000 x 14000	3500 x 24000
Speed (m/min)	100		
Accuracy (mm/mtr.)	±0.05		
Machine Capacity (KW)	Up To 60 KW		
Power Source	RAYCUS, IPG, MAX PHOTONICS		

## In-demand Innovation

Single pallet machine comes up with standard table size & customer options. This innovative development is easy for loading & unloading  
Cost-effective & user-friendly, capturing more than 75% market ratio.



### TECHNICAL PARAMETERS

Model	ADK 3015 M	ADK 6515 M	ADK 6520 M	ADK 6525 M
Working Area (mm)	3000 x 1500	6500 x 1500	6500 x 2000	6500 x 2500
Speed (m/min)	100			
Accuracy (mm)	±0.03			
Machine Capacity (KW)	Up to 60 KW			
Power Source	RAYCUS , MAX PHOTONICS, IPG			

## Dual-position exchange table

The exchange table machine is designed for higher productivity in small parts cutting applications. It is mainly used by sheet metal fabricators, panel manufacturers, cupboard manufacturers, and kitchen equipment producers. The table exchange time is just 15–20 seconds, ensuring efficient and continuous operation.



### TECHNICAL PARAMETERS

Model	ADK 3015 D	ADK 4020 D	ADK 6515 D	ADK 6520 D	ADK 6525 D
Working Area (mm)	3000 x 1500	4000 x 2000	6500 x 1500	6500 x 2000	6500 x 2500
Speed (m/min)	100				
Accuracy (mm)	±0.03				
Machine Capacity (KW)	Up to 60 KW				
Power Source	RAYCUS , MAX PHOTONICS, IPG				

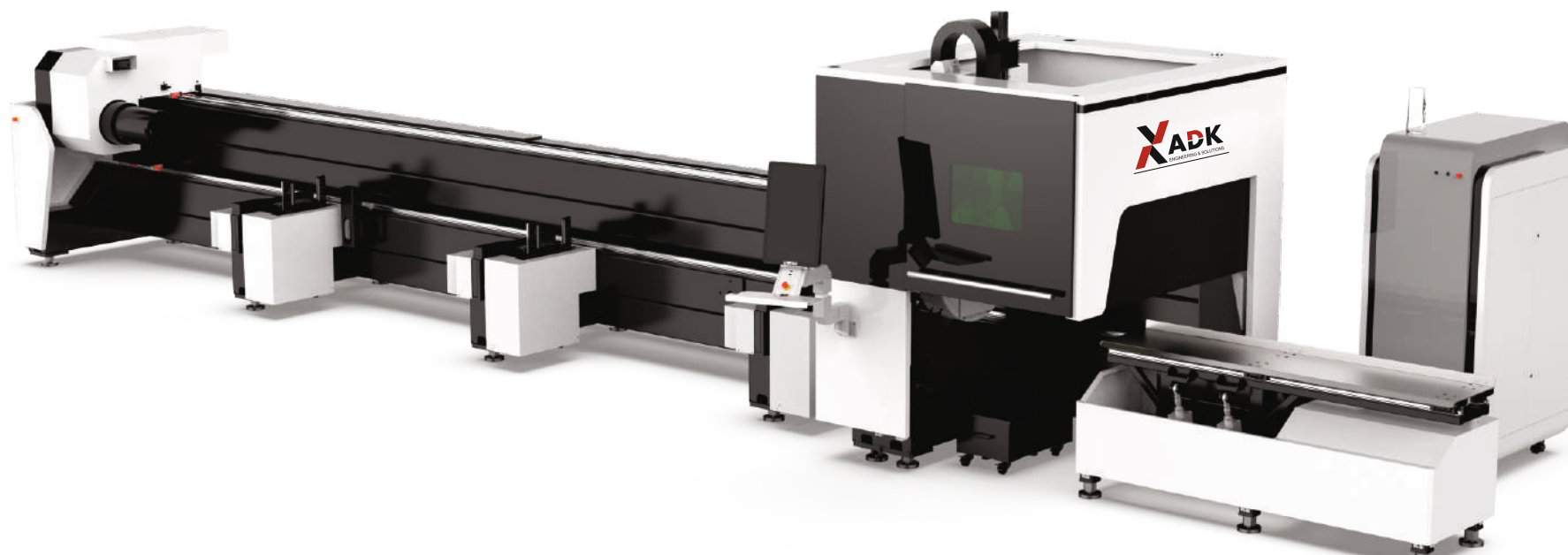


# FIBER LASER CUTTING MACHINE



## Professional tube cutting machine

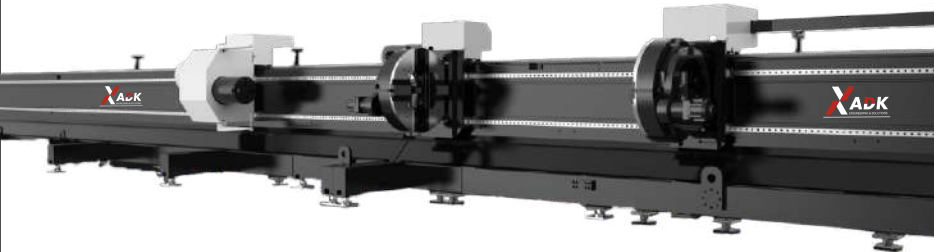
Separate tube cutting Machine is Capable of cutting round pipes, square pipes, rectangular pipes, channel steel, angle steel, I-beams, and other profiled steel. Precision pneumatic chuck, four-jaw automatic centering clamping, stable clamping without damaging the workpiece.



### TECHNICAL PARAMETERS

Model	GKS 6016T2/ GKS 9016T2	GKS 6024T2	GKS 6036T2	GKS 6036T3 / GKS 9036 T3 / GKS 12036B T3
No of Chuck	2	2	2	3
Capacity	Up to 12000W			
Dimensions Round	10-160mm	20-250mm	20-250mm	30-250mm
Square	10-160mm	20-250mm	20-250mm	30-250mm
Effective Rotating Speed	140 r/min	100 r/min	60 r/min	60 r/min
Effective cutting length of pipe ( MM )	6500/9500	6500	6500	6500/9500
Maximum unloading length ( MM )	-	-	-	6500MM/9500MM/12500MM
Single pipe load-bearing	80 KG	300 KG	500 KG	1200 KG
Pneumatic Chuck	160 Pneumatic Chuck	240 Pneumatic Chuck	360 Pneumatic Chuck	350 Pneumatic Chuck

## OPTIONAL FACILITIES



Three-chuck option

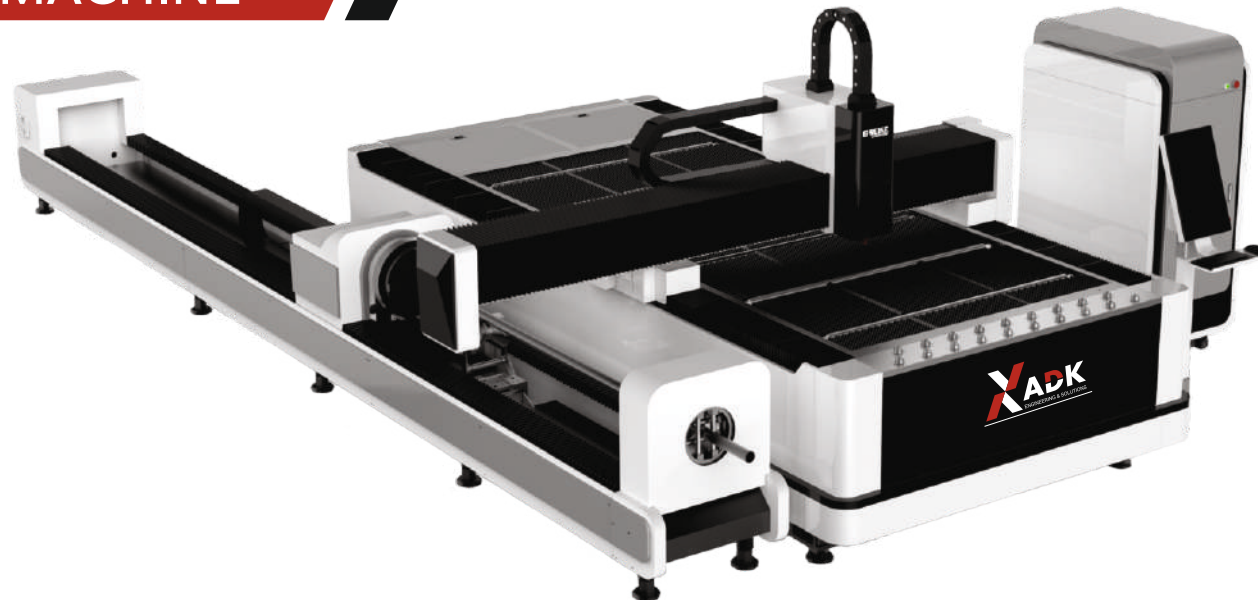
Automatic loading and unloading system



## TUBE + PLATE LASER MACHINE






### LNR SERIES

One machine meets the dual requirements of cutting pipes & sheets, which saving cost & space





## ADDITIONAL FEATURES

-  Sheet followers
-  Dual side clamping
-  DSP laser protection
-  Back side door
-  Side doors
-  Ladders
-  Main motor - Servo
-  4,5,7 & 9 Axis available

- ▶ The whole frame of the press brake adopt integrated welding, and by tempering to eliminate the internal stress.
- ▶ The press brake frame adopt shot blast to remove rust and sprayed with anti-rust treatment.
- ▶ The controller can control the Y1 and Y2 axis (Y1 controls the left cylinder and Y2 controls the right cylinder) to ensure the synchronous movement of the ram.
- ▶ The main oil pump does not apply work under the drive of the servo main motor, and the energy consumption is 60% lower than that of the general.
- ▶ CNC press brake machine
- ▶ The press brake adopt the latest high-frequency hydraulic control technology, which is faster, more efficient and more stable.

# CNC TECHNICAL DATA SHEET



MODEL	NOMINAL PRESSURE (KN)	TABLE LENGTH (MM)	DISTANCE BETWEEN COLUMNS (MM)	THROAT DEPTH (MM)	STROKE (MM)	OPEN HEIGHT (MM)	DIMENSION (L*W*H) (MM)
40T 1600	400	1600	1200	260	150	430	2400x1300x2200
63T 2500	630	2500	2000	320	160	450	3000x1400x2400
80T 2500	800	2500	2000	320	160	450	3000x1400x2400
110T 3200	1100	3200	2600	400	200	480	4000x1600x2750
110T 4000	1100	4000	3400	400	200	480	4800x1600x2750
125T 3200	1250	3200	2600	400	200	480	4000x1600x2750
125T 4000	1250	4000	3400	400	200	480	4800x1600x2750
160T 3200	1600	3200	2600	400	200	480	4000x1800x2750
160T 4000	1600	4000	3400	400	200	480	4800x1800x2750
200T 3200	2000	3200	2600	400	200	480	4000x1900x2850
200T 4000	2000	4000	3400	400	200	480	4800x1900x2850
250T 3200	2500	3200	2600	450	250	540	3800*2200*3120
250T 4000	2500	4000	3100	450	250	540	4600*2200*3150
300T 3200	3000	3200	2600	500	250	570	3500*2250*3200
300T 4000	3000	4000	3100	500	250	570	4300*2500*3400
400T 4000	4000	4000	3100	500	300	610	4300*2700*3500
400T 6000	4000	6000	4800	500	300	610	6300*2700*3500
500T 4000	5000	4000	3100	500	300	610	4300*2700*3500
500T 6000	5000	6000	4800	500	300	610	6300*2700*3600
800T 8000	8000	8000	6300	600	320	800	8300*3600*4500

# NC TECHNICAL DATA SHEET

MODEL	NOMINAL PRESSURE (KN)	TABLE LENGTH (MM)	DISTANCE BETWEEN COLUMNS (MM)	THROAT DEPTH (MM)	STROKE (MM)	OPEN HEIGHT (MM)	DIMENSION (L*W*H) (MM)
40T 1600	400	1600	1300	250	100	355	1900*1200*1900
63T 2500	630	2500	2050	250	120	370	2500*1350*2100
80T 2500	800	2500	2050	250	120	380	2500*1400*2150
110T 3200	1000	3200	2510	320	160	430	3200*1500*2300
110T 4000	1000	4000	3100	320	160	430	4000*1750*2590
125T 3200	1250	3200	2510	320	160	430	3200*1600*2350
125T 4000	1250	4000	3100	320	160	430	4000*1600*2450
160T 3200	1600	3200	2510	350	200	480	3200*1650*2800
160T 4000	1600	4000	3100	350	200	480	4000*1650*2800
200T 3200	2000	3200	2510	350	200	480	3200*1650*2800
200T 4000	2000	4000	3100	350	200	480	4000*1650*2800
250T 3200	2500	3200	2600	400	250	580	3300*2100*3150
250T 4000	2500	4000	3100	400	250	580	4000*2100*3150
300T 3200	3000	3200	2600	400	250	580	3200*2200*3200
300T 4000	3000	4000	3100	400	250	580	4000*2200*3200
400T 3200	4000	3200	2600	400	250	580	3300*2400*3200
400T 4000	4000	4000	3100	400	250	580	4000*2400*3200
500T 4000	5000	4000	3100	500	320	620	4000*2650*3200
500T 6000	5000	6000	4600	500	320	620	6000*2700*3200



# TANDEM & HEAVY TONNAGE PRESS BRAKE MACHINE



## MACHINE COMPONENTS



QUICK CLAMPING



CONTROLLER



BACKGAUGE



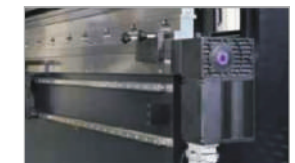
SERVO MOTOR



OIL PUMP



HYDRAULIC SYSTEM



MECHANICAL CROWNING

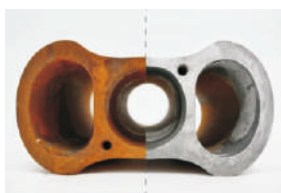


# FIBER LASER WELDING MACHINE



COMPARISON*		
FEATURES	LASER WELDING	MIG & TIG WELDING
High speed	✓	✗
Better finishing	✓	✗
No need for grinder	✓	✗
Low operating cost	✓	✗
Low heat hazard	✓	✗
High efficiency	✓	✗

\*This is just for your reference. Actual data may differ.



A PEB (Pre-Engineered Building) machine, also known as a PEB manufacturing machine, is a specialized equipment used in the construction industry to fabricate pre-engineered building components. PEBs are buildings that are engineered and manufactured off-site, with pre-cut, pre-drilled, and pre-welded structural steel components. These components are then transported to the construction site for assembly.

A PEB machine typically consists of various components and modules that perform specific functions in the manufacturing process. It may include machinery for cutting, drilling, punching, welding, and bending steel sections. The machine is computer-controlled, ensuring accuracy and precision in the fabrication of the components.



**H-BEAM WELDING MACHINE (PTW)**

TECHNICAL SPECIFICATION	
Min. web width (mm)	200
Max. web width (mm)	1500
Web thickness (mm)	5-20
Min. flange height (mm)	150
Max. flange height (mm)	500
Flange thickness (mm)	5-25
Web taper angle (degree)	15 (Above 16 mm thick flanges to be Per-Bent & Per-Tracked)
Beam length (mtr)	2.5-15

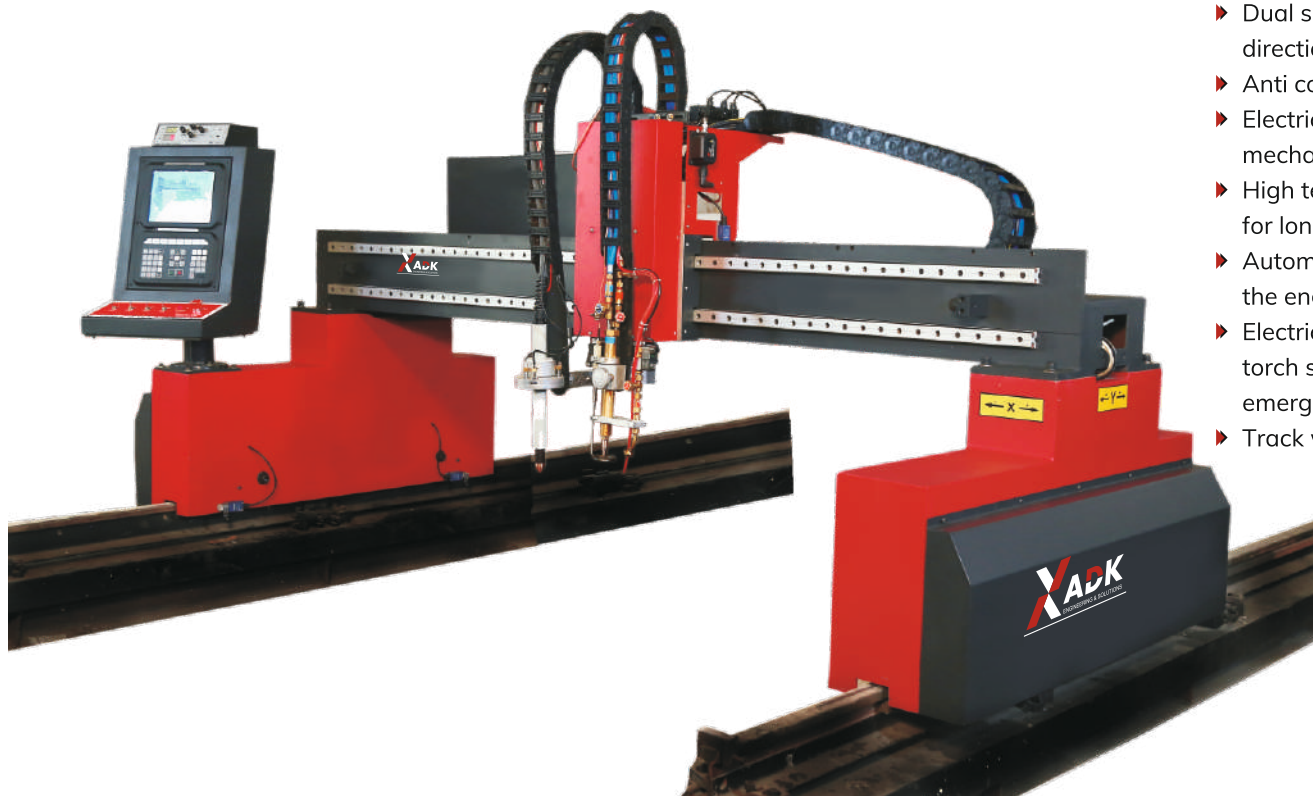


**SAW GANTRY WELDING MACHINE**

TECHNICAL SPECIFICATION		
Min. web width (mm)	200	200
Mix. web width (mm)	1500	2500
Web thickness (mm)	5-40	5-80
Min. flange height (mm)	150	250
Max. flange height (mm)	500	1000
Flange thickness (mm)	5-40	
Beam length (mtr)	2.5-15	2.5-15

# CNC PLASMA CUTTING MACHINE

## Gantry type



### FEATURES

- ▶ Heavy duty gantry type structure.
- ▶ Dual shaft linear motion guide with rack & pinion drive for transverse direction movement of torch station.
- ▶ Anti collision system with proximity protection.
- ▶ Electrical limit switch on both side of longitudinal track end with mechanical bumpers helps in emergency collision protection.
- ▶ High tension high accuracy rail dual side driven rack & pinion drive for longitudinal direction.
- ▶ Automatic wear compensation by high tension cup spring keeps the engagement of the pinion in the rack free of backlash.
- ▶ Electrical limit switch installed on both end side of transverse track & torch suspension together with mechanical bumper helps in emergency collision protection.
- ▶ Track wiper device.

### TECHNICAL PARAMETERS

Model	ADK 2508 P/F	ADK 3508 P/F	ADK 4008 P/F	ADK 5508 P/F
Working Width (mm)	1800 x 6500	2800 x 6500	3200 x 6500	4500 x 6500
Speed (mm/min)	0-12000			
Accuracy (mm/3mtr)	±0.03			
Power Source Capacity (amp)	PMX 45 , PMX 65 , PMX 85 , PMX 105 , PMX 125 , MAXPRO 200			
Source Make	Hypertherm			

# CNC PLASMA CUTTING MACHINE

Table type



Portable type



## TECHNICAL PARAMETERS

Track Width (mm)	2500, 3500, 4200 & Above
Track Length (mm)	4000, 6000, 8000 & Above
Effective Track Length (mm)	2500, 4500, 6500 & Above
Controller	FLSK 2300B (Weldarc)
X Axis Linear Motion Guide	Dual Guide Rod
Y Axis Linear Motion	24 KG/ Meter Self-hardened Rail
Power source	Hypertherm USA0-12000 mm/Min
Rapid Positioning Speed (mm /3 Mtr)	+/- 0.3
Longitudinal Guiding Accuracy (mm)	+/- 0.5
Repeatability Accuracy	AC 220 V (Single Phase) (+/-10%), 50 Hz, 2

## TECHNICAL PARAMETERS

Cutting width (mm)	1250
Cutting length (mm)	2500
Plasma controller	NC controller
Dual linear motion guide for transverse and longitudinal drive	Transmission system
Heat resistive heavy duty Iron frame for Y-Axis	Y- Axis Frame
One station	Plasma
Power source	Hypertherm, USA
Software	Fast cam (Basic)-Australia



# PANEL BENDER

Panel Bender adopts universal bending die, which can complete bending of various shapes with only one set of die, and users don't need to customize another die. The equipment can easily meet the requirements of arc, dead edge, return, closed and other complex sheet metal bending.



TECHNICAL PARAMETERS			
Model	ADK-PB1400 P	ADK-PB2000 P	ADK-PB2500 P
Fastest Bend Speed (S/Bend)	0.2		
Maximum Bend Width (mm)	1400	2000	2500
Bend Height (mm)	170		
Rated Voltage	380V	380V	380V
Total Motor Power (KW)	38	77	77
Average Power (KW)	1.8	2.5	2.8
Overall Dimensions (mm)	4400*1900*2900	5100*2650*3300	5650*3000*3400
Total Weight (T)	12T Approx	16T Approx	19T Approx





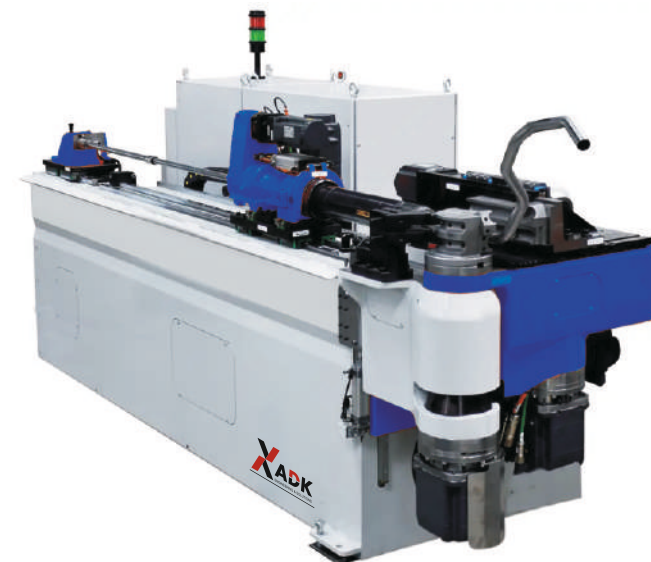
IRON WORKER



CNC FIBER LASER CUTTING MACHINE ROBOT



BUSBAR PROCESSING MACHINE



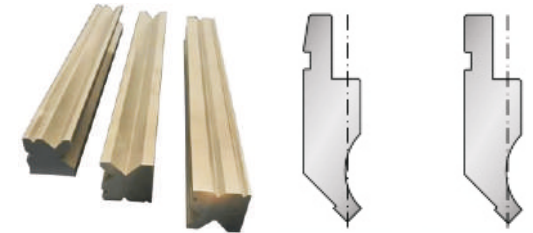
CNC PIPE BENDING MACHINE



CONSUMABLES



CUTTING HEAD



PUNCH & DIE



LASER POWER SOURCE



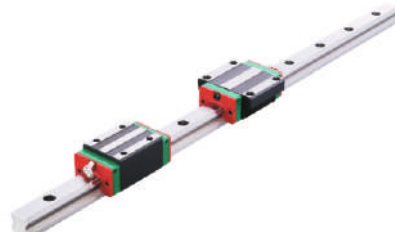
GEAR BOX



LIMIT SENSOR



RACK & PINION



LM GUIDE



BELLOWS



DRIVE & MOTORS



GAS REGULATOR

# OUR CUSTOMERS









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## OUR BRANCHES

AHMEDABAD | PUNE | NASHIK | INDORE | NAGPUR | KOLKATA | KOLHAPUR



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