



**PEB BEAM WELDING SYSTEMS**  
**&**  
**CNC CUTTING AND DRILLING SYSTEMS**

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**FUTURE AUTOMATION TECHNOLOGIES**

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**FUTURE AUTOMATION TECHNOLOGIES**

TOTAL WELDING & CUTTING AUTOMATION SOLUTION PROVIDER

*Transforming Tomorrow by Innovation*



**FEB STANDARD SPECIFICATIONS.**

Model	FAT - PTW - 1200	FAT - PTW - 1200	FAT - PTW - 1300	FAT - PTW - 1800	FAT - PTW - 2000	FAT - PTW - 2000
Web Thickness	4mm - 10mm	4mm - 12mm	4mm - 12mm	4mm - 15mm	4mm - 15mm	4mm - 20mm
Web Width	200mm - 1800mm	200mm - 1800mm	200mm - 1800mm	200mm - 1800mm	200mm - 2000mm	200mm - 2000mm
Web Length	2400mm - 10000mm	2400mm - 12000mm	2400mm - 14000mm	2400mm - 14000mm	2400mm - 18000mm	2400mm - 18000mm
Flange Thickness	6mm - 12mm	6mm - 12mm	6mm - 12mm	6mm - 20mm	6mm - 20mm	6mm - 30mm
Flange Height	125mm - 400mm	125mm - 400mm	125mm - 500mm	125mm - 500mm	125mm - 500mm	125mm - 500mm
Flange Length	240mm - 1000mm	240mm - 1200mm	240mm - 1400mm	240mm - 1400mm	240mm - 1800mm	240mm - 1800mm
Beam Taper	0° - 18° Max	0° - 18° Max Up to 10mm	0° - 18° Max Up to 12mm	0° - 18° Max Up to 12mm	0° - 18° Max Up to 12mm	0° - 18° Max Up to 12mm
Beam Welding Speed	600mm - 3000mm/Min	600mm - 3000mm/Min	600mm - 2500mm/Min	600mm - 2500mm/Min	600mm - 2500mm/Min	600mm - 2500mm/Min
Welding Fillet Leg Size	4mm - 8mm	4mm - 8mm	4mm - 12mm	4mm - 12mm	4mm - 12mm	4mm - 18mm
Welding Fillet Throat Size	2.5mm - 5mm	2.5mm - 6mm	2.5mm - 6mm	2.5mm - 10mm	2.5mm - 10mm	2.5mm - 16mm
Conveyor Roller Width	1200mm	1400mm	1700mm	2000mm	2200mm	2400mm
Conveyor Speed	600mm - 16000mm/Min	600mm - 16000mm/Min	600mm - 19000mm/Min	600mm - 11000mm/Min	600mm - 11000mm/Min	600mm - 11000mm/Min
Conveyor Board Load Weight	2300Kgs/10Mtrs	2600Kgs/12Mtrs	3000Kgs/14Mtrs	7000Kgs/14Mtrs	8000Kgs/15Mtrs	11000Kgs/15Mtrs
Max Beam Wt	1.5 Ton	2.5 Ton	4 Ton	6.5 Ton	6.5 Ton	6.5 Ton

Sl No.	Customer Details	State and City	Model of the PTW	Tack Welding	Splice Welding	CNC Cutting	CNC Plate Drilling	Quantity
1	HALLEYS BLUE	KARNATAKA, BELLARY	FAT - PTW - 1200					1 Set
2	ARMOUR STEELS	TAMILNADU, METTUR	FAT - PTW - 1200			28X 1300		1 Set
3	INDIAN ROOFINGS	TAMILNADU, TIRUPUR	FAT - PTW - 1200			28 X 1300	CNC12-300-60x1500	1 Set
4	PING STRUCTURALS	ANDHRA PRADESH, VUKYAWADA	FAT - PTW - 2000					1 Set
5	DHARMA STEELS	TAMILNADU, TIRCHI		FAT-TW-1200	FAT-SW-1200		FAT - FAW - 1200	2nos.
6	SACHIN HITECH	TAMILNADU, CHENNAI	FAT - PTW - 1800			28 X 1300		1 Set
7	KAMAKSHI METAL 1	ANDHRA PRADESH, RAJAMUNDRY	FAT - PTW - 1200					1 Set
8	INFINITY FAN	KARNATAKA, BELGALUR	FAT - PTW - 1200			28 X 1300		1 Set
9	ACERO NUTECH	KARNATAKA, MALUR	FAT - PTW - 1200					1 Set
10	MATBALA METAL	KARNATAKA, DHARMA (HUBLI)	FAT - PTW - 1200					1 Set
11	SUBHADRA INDUSTRIES	KARNATAKA, BENGALURU	FAT - PTW - 1200					1 Set
12	STARJIT STEEL	TAMILNADU, GOPICHETTI PALAYAM	FAT - PTW - 1200					1 Set
13	KUSHORS INFRATECH	HYDRABAD	FAT - PTW - 1200					1 Set
14	SHI ENTERPRISES	TAMILNADU, METTUR	FAT - PTW - 1200			28 X 1300		1 Set
15	SHANU STEEL	A.P., PEDDAPURAM	FAT - PTW - 1200					1 Set
16	ASIAN IRY	GUJARAT, VADODARA	FAT - PTW - 1200					1 Set
17	ARISE ENBO	HYDRABAD	FAT - PTW - 1200	FAT-TW-1200				1 Set
18	KAMAKSHI METAL 2	ANDHRA PRADESH, RAJAMUNDRY	FAT - PTW - 1200					1 Set
19	SANKHI FERRO ALLOYS	TAMILNADU, CHENNAI	FAT - PTW - 1200			28 X 1300		1 Set



**Equipment we supply**

1. CNC Cutting Machines
2. Splice Welder
3. Tack Welder
4. Pull Thro Welder
5. Conveyors
6. Sub arc Welding Power Source
7. CNC Plate Drilling System
8. Roofing Sheet Forming System
9. C&Z Purlin Forming System
10. Thread Rolling System
11. Accessories and Consumables
12. Training, Service and Support

**SPLICE WELDING SYSTEM**

Splice Welder has a side beam Carriage with the torch mounting head

Splice welder is provided with set of copper clamping fingers, which are operated pneumatically to clamp the plates.

Pneumatically operated edge aligner is to ensure the repeatability of weld position.

Pneumatically operated flux back up facility is provided.

Hydraulically operated web lifter is provided to ensure the exit of the web welding.



CNC PLATE DRILLING SYSTEM



**TACK WELDING SYSTEM**

Hydraulically operated edge aligners to align the face of the web and flanges

Hydraulically Operated web lifters for lifting the web to the center line of the flange

Hydraulically Operated web /flange Clamping Assembly.

The Web and the flanges are aligned and clamped with the help of the above and tackwelding is done in the leading edge. After tack welding the beam is conveyed to the Pull through welder.



**PULL THROUGH WELDING SYSTEM**

- ★ Pull through welding station operates automatically on a single push button Operation and the speed of the In feed Conveyor, out feed conveyor and the pull thro rollers are synchronized automatically.
- ★ Pull through rollers, Conveyors and welding equipment and the flux recovery units are all operated automatically in the programmed sequence.
- ★ Equipment was designed with two welding heads to weld simultaneously. A digital Programmer unit is provide where in all essential Process Variables are stored.
- ★ The equipment is provide with an independent hydraulic power unit to clamp the web and flange assem bly rigidly while welding.
- ★ Equipment is provided with the sweep correction Rollers to adjust and accommodates the different flange heights. Equipment was design to weld beams with one side taper up to a maximum taper angle of 1°

**COMPAY PROFILE**

**ABOUT US :**

FUTURE AUTOMATION TECHNOLOGIES, established by qualified and well experienced young professionals, since it's inception striving its best to give high quality product solution and proving to be one among the leading Complete Welding Automation Solution Providers and Manufacturer in India for manufacturing & supplying of Automated Welding Special Purpose Machines (SPM) for Various Industries, and authorised distributor of LINCOLN ELECTRIC - USA, MILLER-USA, ESAB -(INDIA and SWEDEN),EWM -GERMANY, MIGATROINICS- DENMARK, OTC- JAPAN, KJELLBERG -GERMANY , HYPERTHERM -USA, Automation Products in India. Started in the year 2002 as Manufacturing Unit and today with turnover of more than Rs.10,00,00,000/- We strive to support our esteemed customers with high quality and reliability, economical price and on time delivery. Future today caters to wide spectrum of industries in Automobiles, Valuee, Construction, Petrochemical, Pre Engineered Building Products, Heavy Structural Beam Welding , Cutting and Handling Systems, Mining, Naval, Aerospace, Locomotives, Space Research, Earth Movers, Agro Farm Products, Thermal Power Sector, Wind Mill Power Sector, Water Treatment Plants, Solar Systems, Defense, etc...

We use Products from Egeputed International Brands for our Automation Systems :-

