



CHETAN AUTOMATION

**WE MAKE YOUR CUTTING
EASIER, BETTER & FASTER**



CHETAN AUTOMATION

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About Company

CHETAN AUTOMATION

Located at Jaipur (Rajasthan) We (Chetan Automation) have a wide presence in the INDIAN Market because of our highly reliable and efficient Cutting and Welding machines.

We have more than 20 years of expertise in the Metal Cutting line which makes us more efficient and Trustable.

Due to our client focus approach and continual improvement, we have gained a wide recognition in the market and consider as a leader in this field.

We at (Chetan Automation) are true to ourselves and others as well. We would like to grow and go along with our customers as much as possible without compromising in values we maintain. We understand the technologies, equipments, advantages and disadvantages which we always would like to share with our customers to offer them the most optimum solutions as per their accurate needs and requirements.

OUR MACHINES:

LASER MACHINES:

- SINGLE TABLE FIBER LASER CUTTING MACHINE.
- SHEET AND TUBE FIBER LASER CUTTING MACHINE.
- EXCHANGE TABLE FIBER LASER CUTTING MACHINE.
- LASER WELDING MACHINE.
- LASER MARKING MACHINE.
- LASER CONSUMABLES.



CNC FLAME / PLASMA CUTTING MACHINES:

- GANTRY FLAME / PLASMA CUTTING MACHINE.
- BENCH FLAME / PLASMA CUTTING MACHINE.
- PORTABLE FLAME / PLASMA CUTTING MACHINE.
- PORTABLE CUM GANTRY FLAME / PLASMA CUTTING MACHINE.
- PLASMA CONSUMABLES.

PRESS BRAKE, SHEARING & PIPE BENDING MACHINES:

- NC PRESS BRAKE MACHINE.
- CNC PRESS BRAKE MACHINE.
- SHEARING MACHINE.
- PIPE BENDING MACHINE.

Single Table Fiber Laser Cutting Machine:



TECHNICAL CHART

| Model | PSL 3015 | PSL 4015 | PSL 6315 | PSL 4020 | PSL 6320 |
|------------------|----------|----------|----------|----------|----------|
| Track Width (mm) | 1500 | 1500 | 1500 | 2000 | 2000 |
| Track Length(mm) | 3000 | 4000 | 6300 | 4000 | 6300 |

Sheet and Tube Fiber Laser Cutting Machine:



TECHNICAL CHART

| Model | PLP 3015 | PLP 4015 | PLP 6315 | PLP 4020 | PLP 6320 |
|------------------|----------|----------|----------|----------|----------|
| Track Width (mm) | 1500 | 1500 | 1500 | 2000 | 2000 |
| Track Length(mm) | 3000 | 4000 | 6300 | 4000 | 6300 |

Exchange Table Fiber Laser Cutting Machine:

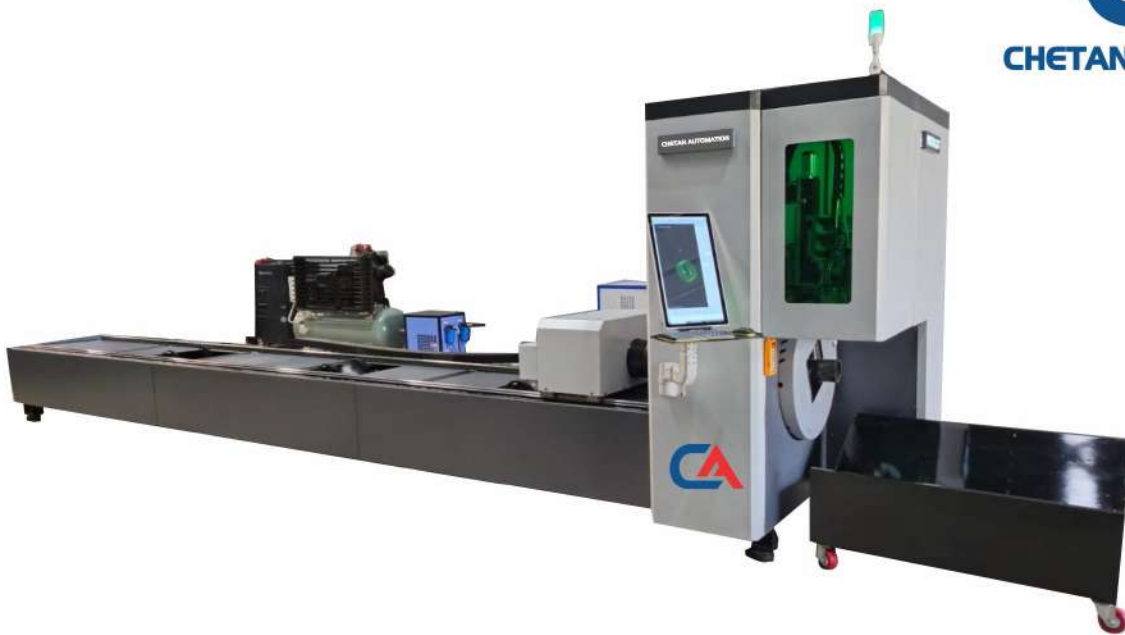


TECHNICAL CHART

| Model | PLE 3015 | PLE 4015 | PLE 6315 | PLE 4020 | PLE 6320 | PLE 6325 |
|------------------|----------|----------|----------|----------|----------|----------|
| Track Width (mm) | 1500 | 1500 | 1500 | 2000 | 2000 | 2500 |
| Track Length(mm) | 3000 | 4000 | 6300 | 4000 | 6300 | 6300 |



Separate Tube Cutting Machine



TECHNICAL CHART

| Model | CAST 6010 | CAST 6024 | CAST 6030 |
|------------------|-----------|-----------|-----------|
| Track Dia (mm) | 100 | 240 | 300 |
| Track Length(mm) | 6000 | 6000 | 6000 |



CNC Flame / Plasma Cutting Machine:



Gantry Flame / Plasma Cutting Machine

| Model | PSG 2506 | PSG 3506 | PSG 3508 | PSG 4008 |
|--------------|----------|----------|----------|----------|
| Track Width | 2500 | 3500 | 3500 | 4000 |
| Track Length | 6000 | 6000 | 8000 | 8000 |

Cutting Head : One Flame and One Plasma

Bench Flame / Plasma Cutting Machine

| Model | PSB 1503 | PSB 1506 |
|--------------|----------|----------|
| Track Width | 1500 | 1500 |
| Track Length | 3000 | 6000 |

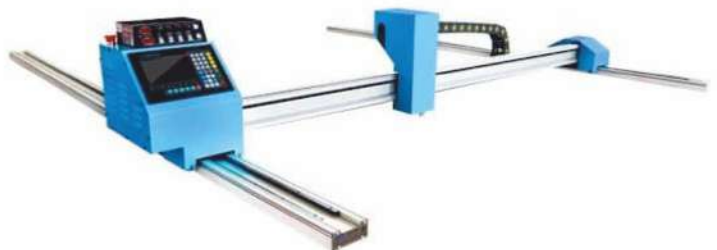


Portable Flame / Plasma Cutting Machine

| Model | PSP 1503 | PSP 1506 |
|--------------|----------|----------|
| Track Width | 1500 | 1500 |
| Track Length | 3000 | 6300 |

Portable Cum Gantry Flame / Plasma Cutting Machine

| Model | PSPG 1503 | PSPG 2563 |
|--------------|-----------|-----------|
| Track Width | 1500 | 2500 |
| Track Length | 3000 | 6300 |



CNC Press Brake Machine:



TECHNICAL SPECIFICATIONS

| CNC Press Brake | 50Ton 1500mm | 80Ton 2500mm | 110Ton 3200mm | 110Ton 4000mm | 130Ton 3200mm | 130Ton 4000mm | 170Ton 3200mm | 170Ton 4000mm | 200Ton 3200mm | 200Ton 4000mm |
|------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Bending Power | 500KN | 800KN | 1100KN | 1100KN | 1300KN | 1300KN | 1700KN | 1700KN | 2000KN | 2000KN |
| Bending Length | 150MM | 2500MM | 3200MM | 4000MM | 3200MM | 4000MM | 3200MM | 4000MM | 3200MM | 4000MM |
| Distance Between Side Frames | 1200MM | 2100MM | 2700MM | 3300MM | 2700MM | 3300MM | 2700MM | 3300MM | 2700MM | 3300MM |
| Y1Y2 Axis Travel | 160MM | 160MM | 200MM | 200MM | 200MM | 200MM | 200MM | 200MM | 200MM | 200MM |
| Max Opening Height | 420MM | 420MM | 460MM | 460MM | 460MM | 460MM | 460MM | 460MM | 460MM | 460MM |
| Throat Depth | 250MM | 250MM | 400MM | 400MM | 400MM | 400MM | 400MM | 400MM | 400MM | 400MM |
| Working Table Height | 770MM | 830MM | 830MM | 830MM | 830MM | 830MM | 830MM | 830MM | 830MM | 830MM |
| Approach Speed | 180MM/S | 180MM/S | 160MM/S | 160MM/S | 160MM/S | 160MM/S | 150MM/S | 150MM/S | 140MM/S | 140MM/S |
| Working Speed | 10MM/S | 10MM/S | 10MM/S | 10MM/S | 10MM/S | 10MM/S | 10MM/S | 10MM/S | 10MM/S | 10MM/S |
| Return Speed | 120MM/S | 120MM/S | 100MM/S | 100MM/S | 100MM/S | 100MM/S | 100MM/S | 100MM/S | 100MM/S | 100MM/S |
| Main Motor Power | 5.5KW | 7.5KW | 7.5KW | 7.5KW | 11KW | 11KW | 11KW | 11KW | 18.5KW | 18.5KW |
| Oil Tank Capacity | 180L | 280L | 300L | 350L | 300L | 350L | 400L | 450L | 400L | 450L |
| X Axis Travel | 550mm | 550mm | 550mm | 550mm | 550mm | 550mm | 550mm | 550mm | 550mm | 550mm |
| Dimensions L*W*H* | 1750X1400X2200mm | 2800X1400X2500mm | 3550X1650X2600mm | 4300X1650X2600mm | 3550X1650X2600mm | 4300X1650X2600mm | 3560X1700X2800mm | 4300X1700X2800mm | 3600X1700X2800mm | 4300X1700X2800mm |
| Weight | 3500 kg | 5900 kg | 7000kg | 9000 kg | 8800 kg | 10200 kg | 10500 kg | 12200 kg | 11500 kg | 13000 kg |

Shearing Machine:



TECHNICAL SPECIFICATIONS

| Specifications & Models (Dark Color is Non-Standard Model) | | Shearing Angle ° | Depth of Throat mm | Backgauge Stroke mm | Shearing Number (min-1) | Number of Presser Foot (□) | Main Motor Power (KW) | Oil Pump (ml/r) | Weight Approx. |
|--|------|---------------------|-----------------------|---------------------------|-------------------------------|-----------------------------------|-----------------------------|--------------------|-------------------|
| | | | | | | | | | Kg |
| QC12K-4 | 2500 | 1°30' | 100 | 600 | 16 | 12 | 5.5 | 16 | 3150 |
| | 3200 | 1°30' | 100 | 600 | 14 | 15 | 5.5 | 16 | 4800 |
| | 4000 | 1°30' | 150 | 600 | 10 | 18 | 7.5 | 25 | 6600 |
| QC12K-6 | 2500 | 1°30' | 120 | 600 | 14 | 12 | 7.5 | 25 | 4800 |
| | 3200 | 1°30' | 120 | 600 | 12 | 15 | 7.5 | 25 | 5600 |
| | 4000 | 1°30' | 150 | 600 | 8 | 18 | 7.5 | 25 | 7600 |
| QC12K-8 | 2500 | 1°30' | 150 | 600 | 10 | 12 | 11 | 32 | 5200 |
| | 3200 | 1°30' | 150 | 600 | 8 | 15 | 11 | 32 | 6000 |
| | 4000 | 1°30' | 150 | 600 | 8 | 18 | 11 | 32 | 8100 |
| | 5000 | 1°30' | 150 | 600 | 6 | 18 | 15 | 40 | 19000 |
| QC12K-10 | 2500 | 2° | 150 | 600 | 9 | 12 | 15 | 40 | 6300 |
| | 3200 | 2° | 150 | 600 | 8 | 15 | 15 | 40 | 7600 |
| | 4000 | 2° | 150 | 600 | 7 | 18 | 15 | 40 | 9200 |
| QC12K-12 | 2500 | 2° | 150 | 600 | 9 | 12 | 18.5 | 50 | 8000 |
| | 3200 | 2° | 150 | 600 | 8 | 15 | 18.5 | 50 | 10500 |
| | 4000 | 2° | 150 | 600 | 7 | 18 | 18.5 | 50 | 12800 |
| | 5000 | 2° | 150 | 750 | 6 | 18 | 18.5 | 50 | 16000 |
| | 6000 | 2° | 150 | 750 | 5 | 20 | 18.5 | 50 | 29500 |
| QC12K-16 | 2500 | 2°30' | 150 | 600 | 9 | 12 | 22 | 63 | 9400 |
| | 3200 | 2°30' | 150 | 600 | 8 | 15 | 22 | 63 | 11000 |
| | 4000 | 2°30' | 150 | 600 | 7 | 18 | 22 | 63 | 14400 |
| | 5000 | 2°30' | 150 | 750 | 6 | 18 | 22 | 63 | 20000 |
| QC12K-20 | 2500 | 3° | 150 | 600 | 8 | 12 | 22 | 63 | 18500 |
| | 3200 | 3° | 150 | 600 | 7 | 15 | 22 | 63 | 18500 |
| | 4000 | 3° | 150 | 600 | 6 | 18 | 22 | 63 | 21500 |
| | 6000 | 3° | 150 | 750 | 5 | 20 | 22 | 63 | 47000 |
| QC12K-25 | 2500 | 3° | 150 | 600 | 7 | 10 | 37 | 100 | 19000 |

Laser Welding Machine:



LASER Welding MACHINE

- Laser Power : 1 Kw/1.5 Kw/2 Kw /3Kw
- Beam Width : 0.2 to 5mm
(Depending on Welding Head)
- Laser Wavelength : 1070 nm
- Optical Fiber : 100um, 5m
- Cooling Medium : 1000 Hz
- Continuous Working Time : 24 Hours
- Power Supply Demand : 200 10%, 50Hz
- Head Type : Wobble with Galvo Technology

Laser Marking Machine:



Applications

- Utensils
- Jewellery
- Electronics
- Automobile
- Commercial Engineering
- Solar Industry
- Tools & Tooling
- Medical & Surgical
- Die & Mould Engraving
- Kitchen Ware & Bath Fitting
- Color Marking in SS Material

Laser Marking Machine

| | |
|----------------------|------------------------------|
| Laser Type | Fiber Laser |
| Average O/P Power | 20W (Optional 30, 50, 100) |
| Operating Voltage | 100-240V AC/50-60 Hz |
| Electric Consumption | < 1 Kw |
| Graphics Format | PLT, DXF, BMP, MPT, TIF etc. |



Other Machines:



Laser Cutting Machine



Imported Gantry Machine



CNC Wood Router Machine



Co2 Laser Cutting Machine



Pipe Bending Machine



Air compressor for laser cutting machine

Laser & Plasma Consumables:





CHETAN AUTOMATION

Note.....



CHETAN AUTOMATION

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