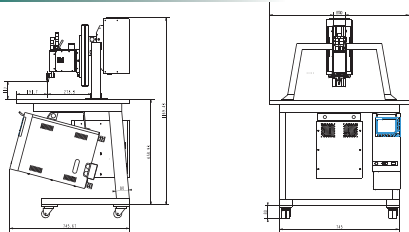


## OVERALL AND SPECIFICATION

### OVERALL SIZE



### NOTIFICATIONS

#### MODEL: FS1000-5P FS1000-5M

**POWER RATING**  
Peak Power: 5 kW  
Input Voltage Standard: 200-240V AC 50 or 60 Hz  
Input Current: 13.5 A  
Line Voltage Range: -10% +15%  
Weld Energy: 1200 Joules  
Maximum output weld current: 10000 Amperes

**WELD POWER AND CONTROL**  
Model: FS1000-5 Resistance weld power unit and control system. Patented Transformer Output Manipulation [TOM] resistance weld power system.  
Display and control panel: 4" color LCD display with L shape control keys  
Control software: TOMCON  
Weld head connecting cable: EB-9 data cable

#### WELD HEAD

Pneumatic model: PNE B55 for FS1000-5P  
Equipped with PNE B55-9 Spring loaded Pneumatic actuate weld head  
Air cylinder: 12mm D x 15mm  
Stroke: 15mm  
Height adjustment: max 135mm, min 50mm  
Motor drive model: ELE B56 for FS1000-5M  
Equipped with ELE B56 Spring loaded motor drive weld head  
Driving motor: 100W DC servo motor  
Driving lead screw: 12mm D, 4mm pitch ball lead screw  
Height adjustment: max 165mm, min 50mm  
Stroke: 20mm

#### WELD TRANSFORMER

Model: TH1000 weld transformer  
Rating: 5 kVA  
Input voltage: 50-250 VAC  
Output voltage: 2-11VAC  
Duty cycle: 5%  
Cycle: 50 or 60 Hz

#### OVER ALL

Overall dimensions: 870 x 700 x 1250mm H  
Work table size: 870 x 700mm  
Portal frame: Internal width 570mm, height 35mm  
Weight: 88 KG

#### MODEL: FS1200-5M

**POWER RATING**  
Peak Power: 7 kW  
Input Voltage Standard: 200-240V AC 50 or 60 Hz  
Input Current: 13.5 A  
Line Voltage Range: -10% +15%  
Weld Energy: 1400 Joules  
Maximum output weld current: 12000 Amperes

**WELD POWER AND CONTROL**  
Model: FS1200-5 Resistance weld power unit and control system. Patented Transformer Output Manipulation [TOM] resistance weld power system.  
Display and control panel: 4" color LCD display with L shape control keys  
Control software: TOMCON  
Weld head connecting cable: EB-9 data cable

#### WELD HEAD

Motor drive model: ELE B56 for FS1000-5M  
Equipped with ELE B56 Spring loaded motor drive weld head  
Driving motor: 100W DC servo motor  
Driving lead screw: 12mm D, 4mm pitch ball lead screw  
Height adjustment: max 165mm, min 50mm  
Stroke: 20mm

#### WELD TRANSFORMER

Model: TH1200 weld transformer  
Rating: 7 kVA  
Input voltage: 50-250 VAC  
Output voltage: 2-11VAC  
Duty cycle: 5%  
Cycle: 50 or 60 Hz

#### WELD POWER ENHANCE BANK

Model: LF 132 power enhance bank  
Capacity: 2200 x 58  
Rate voltage: 400 VDC

#### OVER ALL

Overall dimensions: 870 x 700 x 1250mm H  
Work table size: 870 x 700mm  
Portal frame: Internal width 570mm, height 35mm  
Weight: 98 KG

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## POWER SUPPLY AND MODELS

The system is operate according our company patented paper "Transformer Output Manipulation [TOM]", the latest energy control technology for resistance welding. With combination both benefits of high frequency weld and capacitor discharge weld, the [TOM] welder can generate a high level of weld current as well as provided a very precise control of weld curves. All models are powered by our advance power unit FC1000-5, built in with 6" LCD colour monitor with weld curves selection, monitoring by real time weld monitor, Reporting energies various both in numerical and graphical ways, with preset alarm line according "go" and "no go" installation.

### THIN TAB MODELS..

WELDING PURE NICKEL OR NICKEL PLATED TABS THICKNESS UP TO 0.2MM.

#### FS1000-5M MOTOR DRIVE MODEL

STANDARD MODEL- 10000A output weld current, Portal frame motor drive weld head.

#### COMBINATION

1. FC 1000-5 "Transformer Output Manipulation" 10000 amperes weld power and supply (input 220VAC, 13-15 Amperes) 1 Unit
2. TH1000 weld transformer (maximum output current 10000 amperes) 1 Unit
3. ELE B5-6 spring loaded DC servo motor drive weld head 1 Unit
4. 2.0 / 3.0 diameter electrodes and holders 1 Set
5. WS-4 portal frame work bench and hangers 1 Unit

#### FS1000-5P PNEUMATIC MODEL

STANDARD MODEL- 10000A output weld current, Portal frame Pneumatic Actuate Weld Head.

#### COMBINATION

1. FC 1000-5 "Transformer Output Manipulation" 10000 amperes weld power and supply (input 220VAC, 13-15 Amperes) 1 Unit
2. TH1000 weld transformer (maximum output current 10000 amperes) 1 Unit
3. PNE B5-6 spring loaded pneumatic actuate weld head 1 Unit
4. 2.0 / 3.0 diameter electrodes and holders 1 Set
5. WS-4 portal frame work bench and hangers 1 Unit

### THICK TAB MODELS..

WELDING PURE NICKEL OR NICKEL PLATED TABS WITH DIMPLES THICKNESS UP TO 0.4MM.

#### FS1200-5M MOTOR DRIVE MODEL

STANDARD MODEL- 12000A output weld current, Portal frame motor drive weld head.

#### COMBINATION

1. FC 1000-5 "Transformer Output Manipulation" 10000 amperes weld power and supply (input 220VAC, 13-15 Amperes) 1 Unit
2. TH1200 weld transformer (maximum output current 12000 amperes) 1 Unit
3. ELE B5-6 spring loaded DC servo motor drive weld head 1 Unit
4. SF 132 power energy enhance power bank 1 Unit
4. 2.0 / 3.0 and 6mm diameter electrodes and holders 2 Sets
5. WS-4 portal frame work bench and hangers 1 Unit

### OPTIONAL ACCESSORIES

1. AWS-01 Recycling weld head water cooler

## INTRODUCTION AND FEATURES

The machine was designed for manual weld of bigger size power packs, it equipped with portal frame weld head located on a large platform, with working area of 840 x 640 mm, with a long stroke adjustable throat, which can fit with coils in different height. There are three models in the family, FS1000-5P equipped with pneumatic weld head, Higher grade model FS1000-5M equipped with servo motor drive weld head, where more reliable and stable control of weld force. Both models are suitable for thin tab applications, welding tab thickness up to 0.2mm. However, model FS1200-5M only with motor drive weld head, Additional installed with a power enhance bank of 132, suitable for both thin and thick tab welding, welding tabs pre-punched with weld dimples thickness up to 0.4mm.

### FEATURES..

1. Patented "TOM" advance technology.
2. Ergonomically design both for
3. Full color graphical display.
4. Simple on screen setting up.
5. Weld energy monitor built-in.
6. Weld patterns library for uploading.
7. Weld perimeters store and recall.
8. Bi-directional welding pulses.
9. Selectable of pneumatic and motor drive weld head.
10. Fine forces weld head with rapid following up force.
11. Large working platform
12. Models available for both thin and thick tabs.
13. Air spring compensating weight, easy high adjustment.
14. Production flexibility.
15. Single phase power source.

### FC1000-5 TRANSFORMER OUTPUT MANIPULATION RESISTANCE WELD CONTROL AND POWER SUPPLY



TRADE MARK  
PATENTED TECHNOLOGY FROM PORON



## traron<sup>TM</sup> SERIES

### FS1000-5 FS1200-5

MANUAL BATTERY TAB WELD PLATFORM  
LARGE SCALE POWER PACK APPLICATIONS



SINCE 1975  
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FS1000-5P FS1000-5M FS1200-5M  
MANUAL BATTERY TAB WELD PLATFORM

FS1000-5 FS1200-5