

SEMI-AUTOMATIC WELDING MACHINE

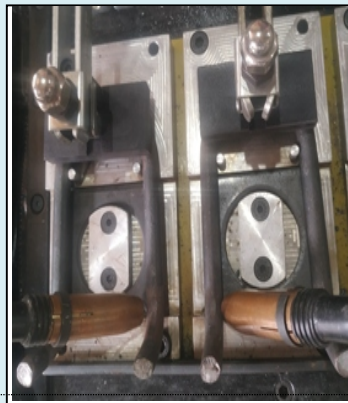
(MACHINE FOR PERFORMING AUTOMATIC WELDING)

PRIORITY SOLUTIONS

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1. Technical Specification and Operation

The machine is called **SEMI-AUTOMATIC WELDING M/c** used as a "MACHINE FOR JOINING TWO METALLIC PIECES TOGETHER WHILE PERFORMING WELDING (MIG/MAG) PROCESS ON THEM."

3.1 Technical Data

MODEL	PS-036-18/19
SERIAL NO.	SEMI-AUTOMATIC WELDING MACHINE
SUPPLY VOLTAGE	440 V AC, 50 Hz \pm 5%
CURRENT CONSUMPTION	1.5 AMP
WATTAGE	350 WATT
CONTROL VOLTAGE	24V DC \pm 10%
INPUT PNEUMATIC PRESSURE	6 BAR
WORKING PRESSURE RANGE	4 TO 6 BAR
WELDING TYPE	MIG/MAG WELDING
NO. OF WELDING STATIONS	TWO
CAPACITY OF MACHINE	SIX PARTS IN ONE CYCLE
DIMENSIONS	800 x 1400 x 900 mm (With Torch)

3.2 Purpose of Machine

The machine is a manual loading and unloading machine, designed and built to perform welding on two metallic parts and join them at four different points.

The correct positioning of the two parts that the machine is able to achieve is with the help of the five guiding pins located on the aluminium fixture. The case in which the parts are undermined from its seat, particularly dangerous for the functionality of the product because it can easily hamper its fitment in the main assembly. (see photo 3).



PICTURE NO. 3

The machine should preferably be located in a closed workshop environment in conditions of space and cleanliness suitable for the intended use.

Composition of Machine

The photograph illustrates the general assembly of the machine.

