Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

MIG Welding Machine

Product Code :

SLE/MCE/12



Science Lab
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Phone: +91-7082934803

Description :

MIG Welding Machine (Product Code: SLE/MCE/12) is a three-phase, wire-fed gas metal arc welding set used to lay continuous welds on steel fabrications in production workshops, maintenance shops and welding training centres. It is listed with step-type voltage control, a 50–600 A welding current range and a burn back facility, and it takes filler wire of 0.8–1.6 mm diameter. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, as part of its range of engineering lab equipment in India.

Specifications

Parameter	Detail
Phase	3
Supply voltage	380–440 V
Open circuit voltage	18–58 V
Welding current range	50–600 A
Welding current at 60% duty cycle	250 A – 600 A
Voltage control	Step type
Permissible wire diameter	0.8–1.6 mm
Insulation	Class H
Winding	100% copper
Burn back facility	Yes
Construction	Rugged, robust design intended for minimum maintenance and low running cost
Product code	SLE/MCE/12
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the MIG Welder Used For?

In MIG (metal inert gas) welding, a solid wire is fed continuously through the torch and melts into the joint while a shielding gas protects the pool from the air. Because the welder does not stop to change electrodes, the process is quick and clean for long seams on sheet, plate, frames, tanks and machine bases, and it is widely taught in fabrication and welder courses.

On this set the operator chooses a voltage step on the switch and balances it against wire feed to get a steady arc. The burn back facility lets the wire burn back slightly after the trigger is released so it does not freeze into the finished weld. Class H insulation and all-copper windings suit a busy workshop; keep the torch liner clean, use the right contact tip for the wire size and wear full weldi

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