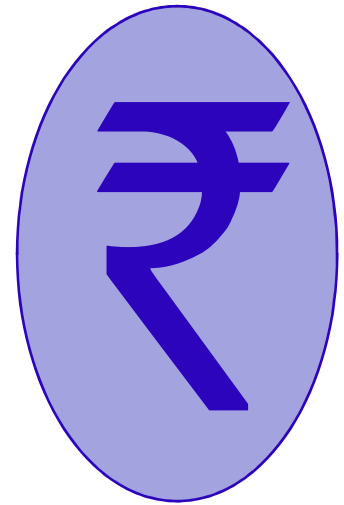


MICROTIG

Repair your
**Moulds &
Dies** with
ease



Saving you a lot of money



- ❖ Portable & light weight
- ❖ Exceptionally Low Heat Input
- ❖ Good control over the deposition rate
- ❖ Weld with Filler wires from \varnothing 0.5~1.2mm
- ❖ Suitable for overlaying and joining applications
- ❖ Preset the filler wire for welding profiles, edges or straight lines
- ❖ Auto Darkening welding screen synchronized with Pulse trigger
- ❖ High power LED lights on welding screen illuminates welding area

A revolutionary technology for welding all kinds of moulds & dies, **MICROTIG** was evolved by combining a cold argon arc (GTAW) and a resistance welding machine. Welding can be done as a single step process like the conventional TIG welding process or a dual step function where the filler wire could be preset when welding complicated profiles, edges or welding in straight lines. This feature helps in welding exactly along the required profile. After presetting the wire it is fused with the base material for a perfect bond. The deposit is flawless, free of undercuts and blow holes. In both the cases, welding is done at exceptionally low heat, preventing the post welding defects like distortion, hardening of base material in heat effected zone, undercuts etc.

MICROTIG is a compact size, lightweight machine which can be easily carried by hand. Variety of wires similar to the composition of your mould / die are available which ensures homogenous bonding of weld metal with the parent metal. Any conventional finishing process can be performed over the welded area like grinding milling, turning, EDM or wirecut. Post finishing operations like heat treatment, plating, nitriding etching or polishing can be done subject to the right selection of filler wire. Filler wires ranging from \varnothing 0.5 to 1.2mm can be used depending upon the area to be welded, making it an ideal solution for welding the finer details in the mould or overlaying a larger area.

Technical Specifications

Electrical Input: 220 V, 50 Hz, 10 Amp

Power Consumption: 10~1000 W

Maximum instant output: 40kW

Mode: TIG power mode 1~ 4

- Pulse power: 1 ~ 99
- Pulse time: 1 ~ 99

Set Filler mode

- Pulse power: 1 ~ 99
- Filler wire \varnothing 0.5~ 1.2mm.

Pulse frequency: Mode1 - 5Hz, Mode2 - 3Hz

Mode3 - 2Hz, Mode4 - 1Hz

Machine dimensions: 380 x 150 x 220 mm.

Weight: 9 kg

Package Contents

Machine Control Box – 1 no.

TIG Torch with cable – 1 No.

Ground Cable – 1 No.

Power Cable – 1 No.

Set Filler Handpiece with cable – 1 No.

Foot Pedal – 1 No.

Auto Darkening Welding Screen – 1 no.

TIG Torch & machine spares – 1 set

Assorted Filler wires – 1 pack

Tungsten Electrode – 5 Nos.

Marketed By:

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