

SICP – DIGITALLY CONTROLLED SYNERGIC WELDING MACHINES



The Synergic MIG/MAG, TIG welding machines is an innovation product from the house of Technocrats. The machines are built to work under extreme industrial conditions. High speed processors coupled with digital touchscreen based menu-driven interface makes operation reliable and easy. Compliance with International standards like EN-60974-1 & EN60974-S, EN60974-7 coupled with synergic MIG functionalities makes SICP the most powerful, yet economical Invertorised welding machine of today.

Features:

- Material and thickness and selection.
- Wire material and dia. Selection.
- Gas selection & flow control.
- More than 200 Programs.
- Digital display of voltage and current (set & actual).
- Digital display of wire feed speed.
- Mode selection hot/feed speed.
- Mode selection crater fill.
- 2T/4T mode.
- Pre-flow/Post-flow & pulse setting.
- Spatter free ignition.
- Arc length/Arc force control.
- Burn-back Control
- Selection of TIG/MAG/MAG mode.

More Features:

- Diagnostic messages on LCD display.
- Graphical display of current & Voltage.
- Hold function.
- Current/Voltage increment/decrement from remote.
- Stepless voltage control.
- stepless wire feed speed control.
- wire – inch
- Manual / Auto selection
- Separate water cooling unit.
- Arc length and Arc force length control.

Technical Specification

SICP 500

Power Source	
Power Source Type	Synergic Programmable Double Pulse MIG/MAG and TIG
Power Source	Digital Microprocessor IGBT Based Inverter Control.
Input power supply	400± 20% V, 3 Phase, 50 ± 2 % Hz. AC
Welding Current at	100 % DC at 40 Deg. -300 300A
Welding Current range	5 A – 500 A
Power Factor at maximum Current	≥ 0.99
Control	2T & 4T
Display	Digital
Storage Capacity of Welding Parameter	200 jobs.
Welding Wire Size	0.8 - 1.6 mm
Efficiency	85 %
No load Power	100 Watt

Standard Supply :

- **Contact Tip.**
- **Liner Diffuser.**
- **Tip Holders.**
- **Drive Roller.**
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More Features:

- Excellent arc stability.
- Integrated Cooling Unit
- Smooth and Quick Wire feed drive
- Wheel for easy movement on shop floor.
- Capacity to weld thin to thick material.
- Initial and final crater control .
- Low spatter joining and optimum penetration to weld seam.



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