

SIGMA WELD AUTOMATION ACCESSORIES

COLD WIRE FEEDER

The cold wire TIG system feeds welding filler material at desired speed with continuous or pulsed feeding. helps in increase productivity of welder, reduces stoppage, grinding needs and welder fatigue.



Semi automatic :
Can be use with any TIG Machine for Manual welding.



Fully automatic :
Can be integrated with any automation system.

Specification	
Supply Voltage	1 Ø ,230V AC 50 Hz
Weight	17kg
Filler wire spool size	12" (30.3cm)
Filler wire size	0.035"(0.9mm),0.045"(1.1mm) , 1/16"(1.6mm)
Wire feed speed Range	0-1250cm
Feed time	Variable
Dwell time(pulsed mode)	Variable
Delay start Time	Variable
Wire retract time	Variable

Benefits

- Automates adding filler metal in TIG welding.
- Dual Groove Drive Roll system accepts multiple wire size.
- Eliminates TIG rod stub loss.
- Cabinet keep filler wire clean.
- Makes fully automatic TIG welding possible.
- Result are consistent and high quality welds

SIGMA WELD WELDING AUTOMATION

AutoTIG/MIG Welding SPM

- Butt joint
- Fillet joint
- Cladding - Inner/Outer/Base/Cross bore
- Long seam
- Circular seam



Increase **PRODUCTIVITY**
Improve **QUALITY**,
Reduce **COST**.



Electronics Devices Worldwide Pvt .Ltd.

31, Mistry Industrial Complex, Cross Road A, M.I.D.C, Andheri [E], Mumbai (400093).INDIA.

Sales – T: +91.22.26870311 to 18 | Service – T: +91.22.26870649

E: sigmaweld@edmail.in | W: www.electronicsdevices.com, www.sigmaweld.com



INDY MMA – 3 PHASE MANUAL METAL ARC WELDING INVERTERS

Features

- Constant current Output Provided
- User Friendly panel contains knob for current and Arc force adjustment.
- Energy Saving inbuilt, which gives 40% to 70% power saving over rectifier & transformer based technology.
- Excellent Welding Performance in MMA For all steels & Alloys
- Protection and safety for Overvoltage, overcurrent, low voltage, thermal shutdown for High temperature.

Sigma weld	Electrode	Rutile	Basic	Cellulosic
INDY Model	Ø	Amps	Amps	Amps
INDY 250MMA	4.0	120-170	140-200	100-150
INDY 400 MMA	5.0	150-250	190-260	140-230
INDY 600 MMA	6.3	220-370	250-320	200-300

Specification	INDY 250MMA	INDY 400MMA	INDY 600MMA
Rated Input Voltage	3Ø 415V± 15% , 50 Hz	3Ø 415V± 15% , 50 Hz	3Ø 415V± 15% , 50 Hz
Power (KVA) @100%	7KVA	16 KVA	22KVA
Duty cycle @ 40°C	100% @200A	100% @300A	100% @400A
Open Circuit Voltage	80V	80V	80V
Output range	5-250Amps	5-400Amps	5-600Amps
(D×W×H) mm	610×300×500	610×300×500	660×380×650
Weight	35Kg	35Kg	50kg

Protection, Safety Features & Parameter

1) Thermal shutdown	In built (over temperature Indication)	1) Arc Force Control	Adjusted
2) Under voltage	In built (Phase failure Indication)	2) Arc breaking Control	In Built
3) Over current	In built (Phase failure Indication /MOV)	3) Hot start current	30%
4) IGBT Peak current	In built	4) Hot start duration (approx.)	300 m Sec
5) Energy saving	In built	5) Digital Ammeter	In Built
6) Cooling type	Forced Air cooling		

SIGMA WELD DATA MONITORING SYSTEM

Sigma weld data logger is the link between welding machine & PC. It is easy to connect to the inverter using plug & play principle. The logged data can easily monitor on remote PC. Also it transfers logged data on USB memory drive.



Specifications

Logging Memory capacity	: Up to 20 MB
Supply Voltage	: 230 V AC
Power consumption	: 5 W Max.
Communication Port	: One serial ports (RS 232/RS 422/RS485 level supported)
Ethernet Port	: for Remote monitoring.
USB host Port	: Supports USB memory drive

Application

Can log welding voltage, welding current, arcing time for each equipment. data can be collected and analysed in central server for resource utilization and parameter logging.



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