



MAXI



CV



DC
+ -

STEP ADJUSTMENT SEMI-AUTOMATIC WELDING MACHINES WITH SEPARATE WIRE FEEDER

Semi-automatic welding equipment, with separate wire feeder, recommended for industrial applications, medium and large fabrication work.

MAXI power sources, usable with a wide selection of wire feeders and different length interconnecting cables, are the most complete solution for any job and ensure excellent welding performances on any thickness by granting a very stable arc in any welding position.

MAXI SYNERGIC

The range is completed by MAXI 4005 and 5005 synergic machines equipped with ES 5 digital feeder with preset welding programs, which allow, in a user

friendly way, also non expert users to very easily adjust the welding parameters. The ES 5 feeder, thanks to latest and innovative microprocessor based digital technology, chooses, within preset programs, the best welding parameters according to used material, gas and wire diameter, thus enabling high quality MIG/MAG welding on any material.

Depending on used material thickness, an easy-to-read table shows in which position to set both commutator switches to automatically obtain the best welding result.

Technologically advanced, robust and easy-to-use, MAXI 4005 and 5005 with ES 5 provide the additional synergic feature on top of the already excellent characteristics of the MAXI power sources.



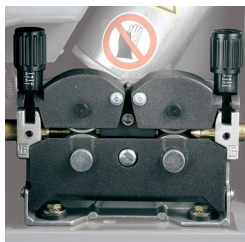
- ▶ Excellent welding characteristics on any material and with any gas type
- ▶ Ideal for welding any metal in any industrial application
- ▶ Metallic main structure with shockproof fibre compound front frames
- ▶ Standard version supplied with cylinder carriage and robust wheels
- ▶ Control panel protected against accidental impact
- ▶ Large ergonomic handle for an easy manoeuvrability



CONTROL PANEL

1. Mains switch and welding voltage range switch
2. Voltage fine adjustment switch
3. Optional digital ammeter/voltmeter with hold function of the last welding parameters
4. Double inductance connection for a better welding pool in any position

MAXI SYNERGIC - ES5



- ▶ Welding parameters synergic adjustment
- ▶ User friendly and easy-to-use selection and recalling of the parameters and welding programs
- ▶ Arc striking always precise thanks to the digital control
- ▶ Excellent MIG/MAG welding characteristics on any material and with any gas
- ▶ Four large diameter roll and cast aluminium wire feeding mechanism to provide steady and trouble free wire feeding



ENERGY SAVING

The built-in Energy Saving function activates both the power source fan motor and the torch water cooling only when necessary, thus obtaining a significant energy saving, and ensuring less maintenance for the power source, thanks to reduced airborne contaminants.



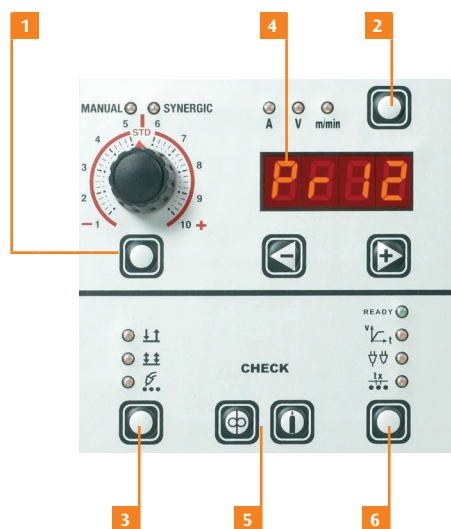
WIRE FEEDERS

- ▶ External Burn-Back and motor ramp adjustments for a precise arc striking
- ▶ 2/4 stroke selector switch
- ▶ QBS motor braking system for repeated and constant arc striking
- ▶ Sloping lodging for wire spools (up to 300 mm Ø maximum)
- ▶ Water and gas quick connections
- ▶ Professional wire feeding mechanism for a precise and constant wire driving
- ▶ Graduated knob to achieve the most correct value of the wire pressure, which remains unchanged also after any arm opening and closing
- ▶ Double groove rolls replaceable without any tool
- ▶ Robust handle and lifting eyebolt
- ▶ Metallic main structure with shockproof plastic front panels protecting all connections and adjustment controls



SWF STRONG FEEDER

SWF feeders, with robust polypropylene suitcase, ideal for site jobs and harshest environments. They can be used for wires spools up to 300 mm Ø. (V/Ameter available on request).



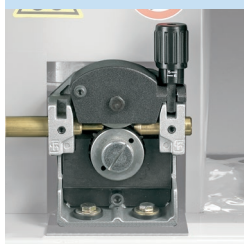
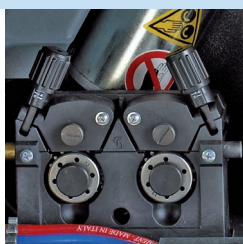
ES 5

1. Welding “process” selector Manual / Synergic:
 - Synergic - best welding parameters are adjusted according to the chosen program
 - Manual - the panel potentiometer adjusts the wire speed like in the traditional equipment
2. “Display” selector: Voltmeter/Ammeter • Wire speed
3. Welding “mode” selector: 2/4 stroke • Spotting
4. Digital display to show preset welding programs and also acting as a Voltmeter/Ammeter with wire speed display and Hold Function of the last read value
5. Selector: Gas Purge • Wire Inch
6. “Adjustment” selector: Motor ramp • Burn-Back • Spot timer

ACCESSORIES

- Wheel kit for TR feeders
- Spool cover for TR feeders
- Wheel kit for WF and ES 5 feeders
- IR 14 water cooling equipment (MAXI 405 - 505 - 4005 - 5005)



2 ROLL

4 ROLL


TR 2

TR 4

SWF - WF 5

WF 4 - ES 5

TECHNICAL DATA		TR 2	TR 4	SWF	WF 4 - WF 5	ES 5
Single phase input 50/60 Hz	V	48	48	48	48	48
Motor power	W	100	100	100	100	100
Rolls	N°	2	4	4	4	4
Feeding speed	m/min	0,5 - 24	0,5 - 24	0,5 - 20	0,5 - 20	0,5 - 20
Solid wire (steel)	Ø mm	0,6 - 2,4	0,6 - 2,4	0,6 - 2,4	0,6 - 2,4	0,6 - 2,4
Dimensions	↗ mm	450	450	540	570	570
	→ mm	230	230	235	275	275
	↑ mm	315	315	485	400	400
Weight	kg	11,5	11,5	14	17	17

TECHNICAL DATA		MAXI				MAXI SINERGIC	
		255 M	315	405	505	4005 ES 5	5005 ES 5
Single phase input 50/60 Hz	V	230	---	---	---	---	---
Three phase input 50/60 Hz	V	---	230/400	230/400	230/400	230/400	230/400
Input Power @ I ₂ Max	kVA	11,8	13,8	19	24,2	19	24,2
Delayed Fuse (I ₂ @ 60%)	A	25	16/10	35/20	40/25	35/20	40/25
Power Factor / cos φ		0,80	0,95	0,96	0,97	0,96	0,97
Efficiency Degree		0,58	0,70	0,77	0,78	0,77	0,78
Open circuit voltage	V	23 - 50	18 - 43,5	20 - 44	19 - 51	20 - 44	19 - 51
Adjustment positions	N°	7	10	20	30	20	30
Current range	A	50 - 250	30 - 300	60 - 400	60 - 500	60 - 400	60 - 500
Duty cycle at (40°C)	A 100%	110	170	230	300	230	300
	A 60%	150	225	300	370	300	370
	A 35%	200	300	400	500	400	500
	A 20%	250	---	---	---	---	---
Wires	Ø mm	0,6 - 1,2	0,6 - 1,2	0,6 - 1,6	0,8 - 2,0	0,6 - 1,6	0,8 - 2,0
Standards		EN 60974-1 • EN 60974-10					
		S					
Protection Class	IP	23 S	23 S	23 S	23 S	23 S	23 S
Insulation Class		H	H	H	H	H	H
Dimensions	↗ mm	1020	1020	1060	1060	1060	1060
	→ mm	540	540	600	600	600	600
	↑ mm	790	790	780	780	780	780
Weight	kg	62	70	99	113	102	116

Other voltages available on request

These power sources are built for industrial environment use. EMC (CISPR 11): class A



ISO 9001: 2008