

# COMPACT - COMPACT SYN



## STEP ADJUSTMENT SEMIAUTOMATIC COMPACT WELDING MACHINES

A series of industrial semiautomatic welding equipment with built-in wire feeder, suitable for professional and industrial applications. COMPACT power sources, in their innovative and user friendly design, ensure excellent welding characteristics on any material, aluminium and stainless steel included, by granting a very stable arc in any welding position. Robust and easy-to-use, COMPACT power sources are suitable to be used in industry, fabrication work, car body repair, agriculture and maintenance.



### COMPACT SYN

COMPACT SYN power sources represent an evolution towards the simplification process of the welding operations by allowing, in a user friendly way, also non expert users to very easily adjust the welding parameters. Equipped with an innovative synergic control, based on the most modern microprocessor digital technology, COMPACT SYN equipment have got several pre-set welding programs, which, depending on used material, gas and wire diameter, will automatically select the best parameters according to the preset welding voltage. The synergic function may be easily excluded by changing the way of setting the parameters like in traditional MIG's. 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.

- ▶ Arc striking always precise
- ▶ Excellent MIG-MAG welding characteristics on any material and with any gas
- ▶ Control panel protected against accidental hits
- ▶ Double inductance connection for a better welding pool in any position (COMPACT 364 – 410)
- ▶ Robust ergonomic handle and integrated cylinder carriage with robust wheels for an easy manoeuvrability
- ▶ Large inner lodging to easily accommodate also metallic coils (300 mm Ø max.)
- ▶ Professional feeding system to ensure a precise and constant wire feeding



COMPACT 240M - 310



COMPACT 364 - 410  
COMPACT SYN 3100

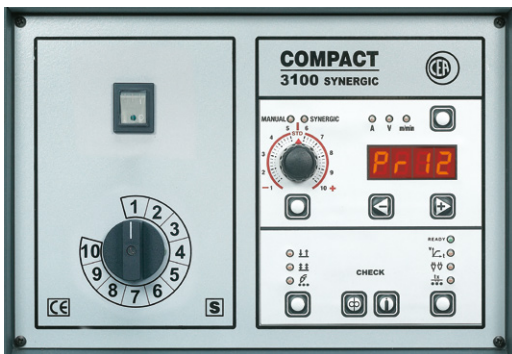


## COMPACT



- ▶ Mains switch (COMPACT 364 - 410) and welding voltage fine adjustment
- ▶ 2 – 4 stroke mode selector switch and spot timer
- ▶ Burnback adjustment
- ▶ Motor ramp for a precise arc striking

## COMPACT SYN



- ▶ Welding “process” selector: Manual/Synergic
- Synergic: best welding parameters are adjusted in a synergic way according to the chosen program
- Manual: the panel potentiometer adjusts the wire speed like in traditional equipment
- ▶ “Display” selector : Voltmeter/Ammeter – Wire speed
- ▶ 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
- ▶ 2 /4 stroke /Spotting welding mode selector
- ▶ Gas Purge/ Wire Inch selector
- ▶ Motor Ramp /Burn Back / Spot Timer adjustment selector

TECHNICAL DATA		COMPACT				COMPACT
		240M	310	364	410	3100 SYN
Single phase input 50/60 Hz	V	230	---	---	---	---
Three phase input 50/60 Hz	V	---	230/400	230/400	230/400	230/400
Input Power @ I <sub>2</sub> Max	kVA	11,9	13,3	17,3	18,5	13,3
Delayed Fuse (I <sub>2</sub> @ 60%)	A	25	25/16	25/20	35/20	25/16
Power Factor / cos φ		0,96	0,96	0,96	0,96	0,96
Efficiency Degree		0,58	0,70	0,68	0,77	0,70
Open circuit voltage	V	22 - 50	18 - 43,5	18,5 - 45	20 - 44	18 - 43,5
Adjustment positions	N°	7	10	14	20	10
Current range	A	50 - 250	30 - 300	45 - 350	60 - 400	30 - 300
Duty cycle at (40°C)	A 100%	110	170	200	240	170
	A 60%	150	225	260	300	225
	A 35%	200	300	350	400	300
	A 20%	250	---	---	---	---
Wires	Ø mm	0,6 - 1,2	0,6 - 1,2	0,6 - 1,2	0,6 - 1,6	0,6 - 1,2
Standards		EN 60974-1 • EN 60974-5 • EN 60974-10 • <b>S</b>				
Protection Class	IP	23 S	23 S	23 S	23 S	23 S
Dimensions	↗ mm	860	860	860	1060	860
	→ mm	540	540	540	600	540
	↑ mm	790	790	790	780	790
Weight	kg	59	70	83	109	71

Other voltages available on request



### ACCESSORIES

- IR 14 water cooling equipment (COMPACT 410)

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

