

P **PRIME** **SYNERGIC FOR ALL** **EASY TO USE**



Prime series

PRIME 500

PRIME 300

FIMER
YOUR BRAND, YOUR WELDING



Prime series



Inverter MIG Synergic welding generator

- ***Processes***

***MIG/MAG
MIG/MAG Brazing
TIG SCRATCH
MMA
FLUXE CORED
GOUGING***

- ***Materials***

***Non-alloy steel
Low-alloy steels
Alloy steels
Stainless steel
Galvanized steel
Aluminium and its alloys
Copper and its alloys***

Prime series

Applications

- ***Medium-heavy Carpentry***
- ***Maintenance***
- ***Repair***
- ***Automation***
- ***Plants Construction***
- ***Machinery Construction***
- ***Boiler works***



Prime series

FEATURES



SOLID



EASY



PERFORMING



COMPETITIVE

PRIME

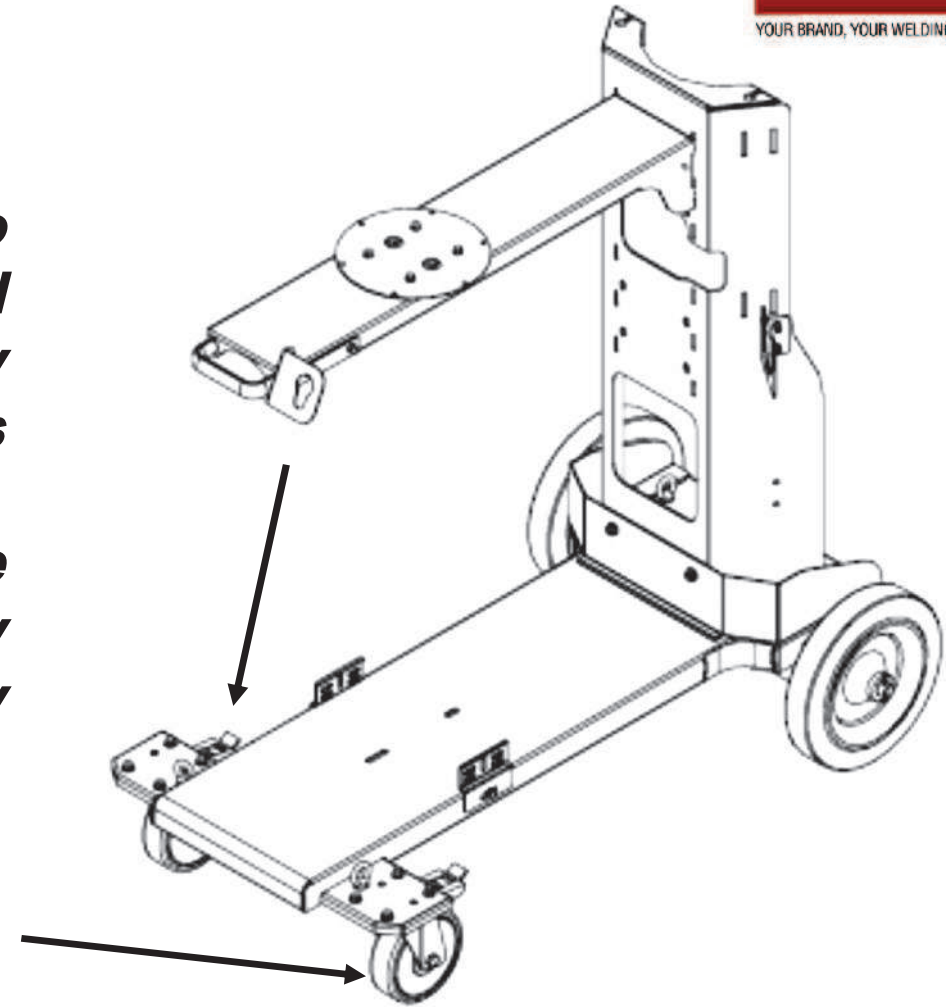
Prime series

SOLID

New Trolley C7K

Front braking wheels, diam. 140 mm, give to the new trolley more manoeuvrability and stability in particular in heavy duty environments, where machine's movements would be difficult.

It's possible not only to stop the machine but this trolley guarantees also higher safety to the welder in case of slight slope or heavy environment.



Prime series

SOLID

Features



New system for extension lead cables fixing

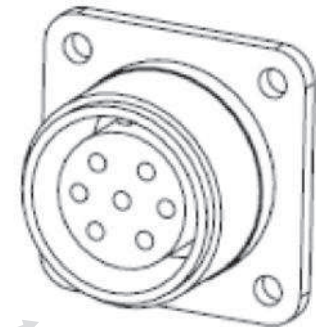
- *Cables and pipes connections are totally safe inside the wire feeder*
- *It preserves cables and pipes integrity even if pulled from trolley or wire feeder*

Prime series

SOLID



Wire feeder



7 PIN Connector:

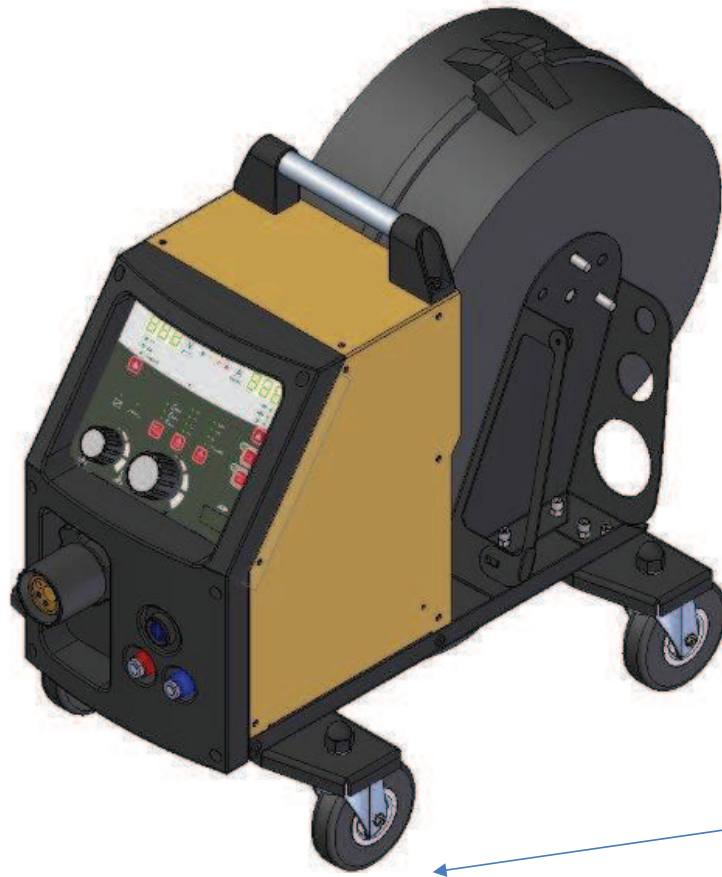
- **PUSH PULL Torch**
- **Remote control for welding current**
- **Foot control for TIG Welding**

Prime series

SOLID



Wire feeder



Wheels kit diam. 100 mm for heavy duty environment

- *More stability*
- *More manoeuvrability*

Prime series

EASY

CONTROL PANEL

PRIME is very intuitive which allows also the less experienced welder to work; after few steps it will be possible to start welding and to achieve optimal results.



Prime series

EASY

CONTROL PANEL

1

Select mode

- **MMA**
- **MAN**
- **SYN**



Prime series

EASY

CONTROL PANEL

2

In synergy select the combination of Diam.- Wire/Material

- **0,8** • **G3/4**
- **1,0** • **CrNi**
- **1,2** • **Al**
- **1,6** • **FCW/SPEC.**



Prime series

EASY

CONTROL PANEL

3

a

You can select the setting:

- . Amperage***
- . Thickness***
- . Wire speed***



Prime series

EASY

CONTROL PANEL

3

b

You can select the setting:

- . Arc's length***
- . Inductance***



Prime series

EASY

CONTROL PANEL

SYNERGY guarantees proper parameters to get the best welding thanks to the possibility of selecting the thickness.

Just set thickness and PRIME will give you a basic setting to start with welding.



Prime series

PERFORMING

NEWS AND CHANGES COMPARED TO THE PAST

- ***Improved SD CARD data access. The machine is ready to weld in few seconds thanks to a digital 500 Kbps CAN BUS communication***
- ***Higher arc control thanks to the new 40 kHz inverter's performance and to the newest microprocessors' use***
- ***Polarity changeover***
- ***It's possible to connect extension lead cables up to 30 mt length and 12 mt elevation***
- ***Under/over voltage protection +/- 20%***

PERFORMING

DUTY CYCLE



		Prime 500	Prime 300
Duty Cycle 40°C	40%	500A	
	60%	460 A	300A
	100%	410 A	260A

PERFORMING

COMPARING WITH COMPETITION



	FIMER	FRONIUS	LINCOLN	SELCO	LORCH	KEMPPI	EWM
	PRIME 500	TSt 5000	SPEEDTEC 505S	QUASAR 500	MICOR MIG 500 BASIC PLUS	KMS 500	TAURUS 505 SYN
INVERTER							
Duty Cycle 100% 40°C	410A	360A	390A	420A	370A	430A	430A
Duty Cycle 60% 40°C	440A		500A	470A	430A	500A	500
Open circuit voltage	91V	65V	60V	61V	80V	65V	80V
Output range	15-500A	10-500A	20-500A	3-500A	30-500A	10-500A	5-500A
IP	21	23	23	23S	23	23S	23
Weight Kg	42	30,15	50	27,3		36	61
Fuse	32A		32A	40A	32A	35A	32A

Prime series

PERFORMING

AVAILABLE SYNERGIC PROGRAMS



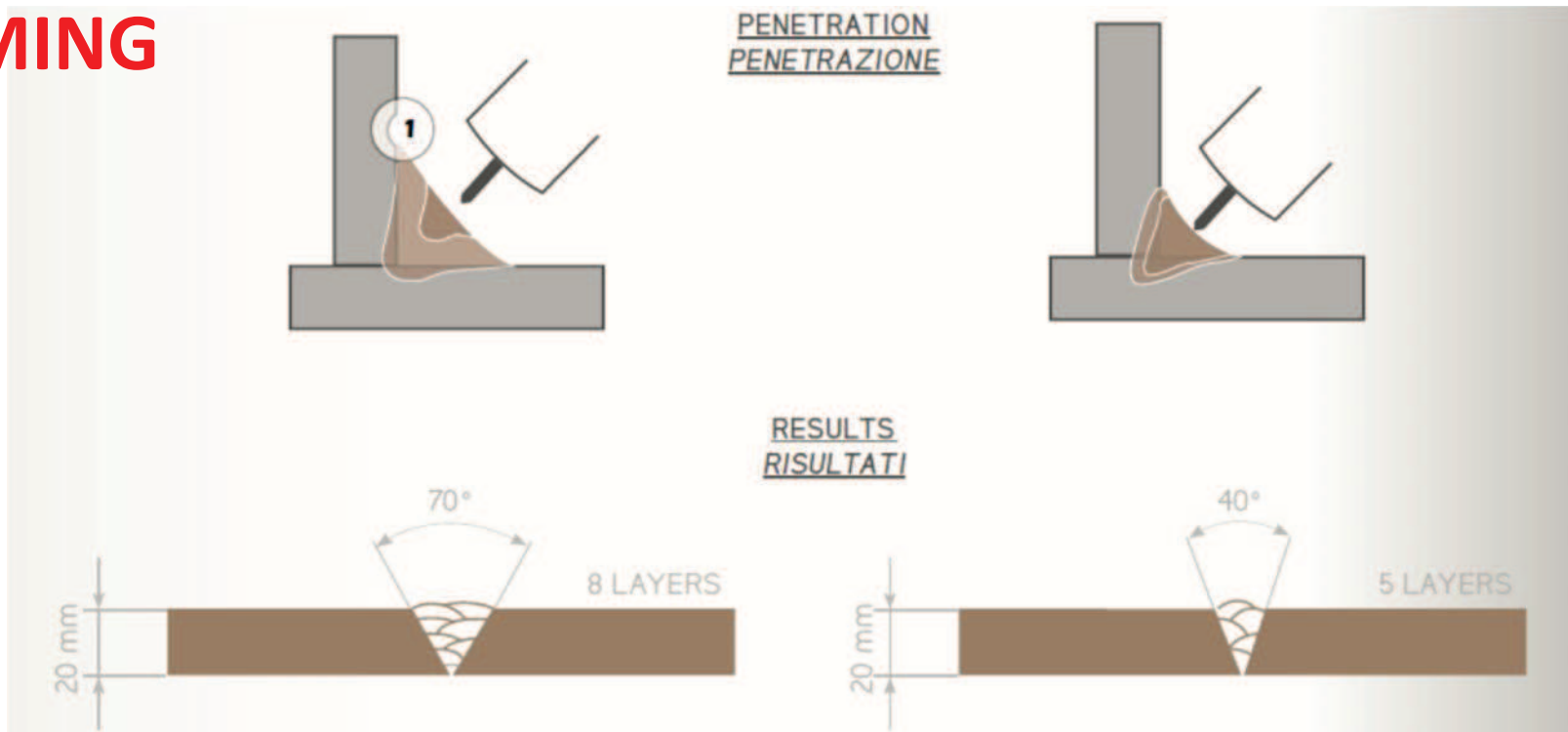
	Fe	CrNi	Al	FCW
	ArCO ₂ 82/18%	ArCo ₂ 98/2%	Ar 100%	Ar-CO ₂
SYNEGIC PROGRAMS Wire/Filo	0.8 - 1.6	0.8 - 1.6	1.0 - 1.6	1.0 - 1.2

Prime series

PERFORMING



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MIG MAG SPRAY ARC STANDARD

1. Complex groove preparation
2. High degree angle of V-groove (70°).
3. High consumption of filler material and gas

MIG MAG HSF FIMER

1. V groove reduction
2. Reduced number of layers
3. Reduction of filler material and gas
4. Less groove time preparation

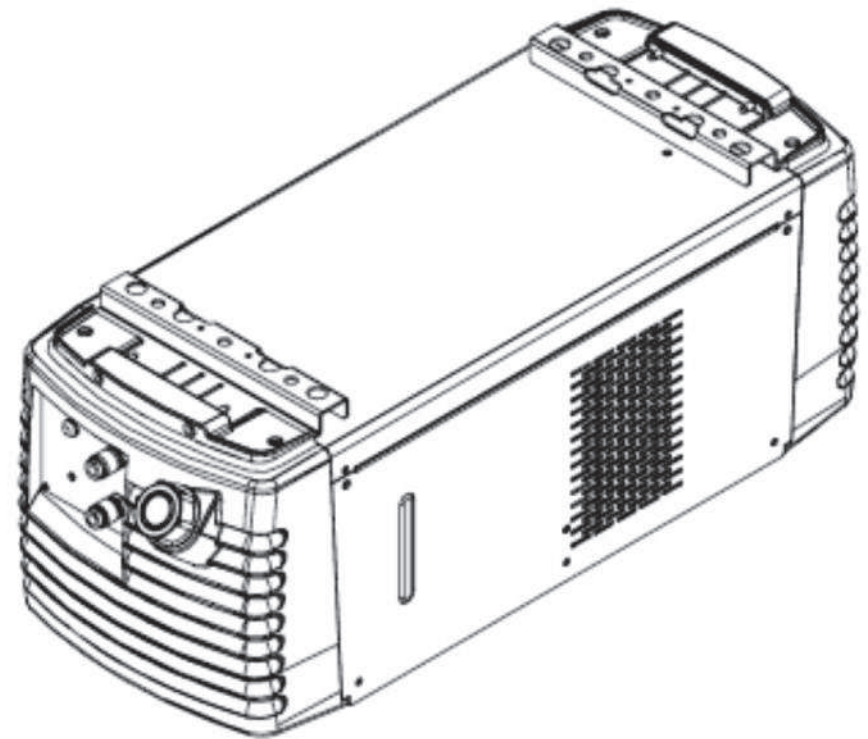
Prime series



PERFORMING

New water cooling unit WCS 5

- **More cooling power : 1,2 kW**
- **Automatic detection** (machine detects automatically the connection to the water cooling unit and organizes cleverly its operation)
- **Automatic test** before working operations
- **Safety is ensured thanks to the flowmeter**



Prime series

PERFORMING



		Prime 300	Prime 500
Duty Cycle 40°C	40%	-	500A
	60%	300A	440A
	100%	260A	410A
Working voltage		88V	91V
Mains frequency		50-60 HZ	50-60 HZ
Max. connected power		9,1kVA	13,7kVA
Recommended generator rating		14,4kVA	21,6kVA
Mains fuses (delayed action)		16 A	25A
Protection classification		IP 21 S	IP 21 S
Insulation class		H	H
Weight		75 Kg	82 Kg
Dimensions		580X1100X1510	580X1100X1510
Wire	Ø mm	0,8 – 1,2	0,8 – 1,6

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