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**CEA**

**MIG/MAG**

made in italy  
**SINCE 1950**





## DOGMA / DOGMA PULSE

### THE FIRST – THE GAME CHANGER

#### MIG-MAG INVERTER COMPACT EQUIPMENT

DOGMA is an innovative welding equipment that barges into the multi-process compact MIG market for the first time in the world. DOGMA's concept breaks from tradition with its game changing design.

PATENT PENDING: PA102974IT01

#### DOGMA



#### DOGMA



## Innovative, unique, unparalleled

DOGMA is unique and unparalleled in its ability to combine an ergonomic design, together with excellent welding characteristics thanks to its precise and stable arc control. This makes DOGMA perfect for all qualified welding applications in all industrial sectors.



## New level of ergonomics

DOGMA is born with the welder's comfort at the centre of its development, keeping CEA's distinctive quality: every feature is aimed to reduce and simplify the operator's preparation time and tasks for a better satisfaction which leads to greater results. DOGMA are standard equipped with the new X VISION interface, simple and complete, for the total control and monitoring of all the welding parameters.

## Other characteristics

- MMA – TIG LIFT – MIG/MAG Synergic & Manual and for DOGMA PULSE: PULSED MIG and DUAL PULSE
- Feeding mechanism with 4 rolls of large diameter
- Double groove rolls replaceable without any tool
- "Energy saving" to operate the power source cooling fan and torch water cooling only when necessary
- Ability to partially or totally lock the equipment with access key by password





## TECHNICAL FEATURES

### DOGMA PULSE XV

SYNERGIC PROGRAMS Fe - CrNi - AlMg - AlSi

### DOGMA XV / DOGMA PULSE XV PREMIUM

SYNERGIC PROGRAMS Fe - CrNi - AlMg - AlSi - CuSi3 - AlBz8

FCW (Rutil - Basic - Metal) Duplex - Super Duplex



### DOGMA PACKAGE

DOGMA PULSE XV:

SYNERGIC PROGRAMS

Fe - CrNi - AlMg - AlSi

DOGMA XV / DOGMA PULSE XV PREMIUM:

SYNERGIC PROGRAMS

Fe - CrNi - AlMg - AlSi - CuSi3 - AlBz8 - FCW (Rutil - Basic - Metal) Duplex - Super Duplex

vision.COLD

for low heat transfer MIG/MAG welding

vision.ULTRASPEED

to weld small and medium thickness at a far higher speed

E.C.P. - Extra Curve Package

### VISION.ARC

Thanks to vision.ARC, the electric arc is monitored continuously by the microprocessor which manages the welding process in real time: all the parameters are processed and modified by the control that digitally manages the short circuits of MIG-MAG, keeping the arc stable and precise despite any change of the external conditions. The welding process is always under control from arc striking, by Wire Start Control (WSC), to when the arc is interrupted by Burn-Back Control.



### VISION.PULSE

vision.PULSE allows a constantly controlled short arc pulse welding, by optimizing the results of traditional pulse welding. This enables to reduce the high heat input, typical in pulse welding, with a consequent reduction in distortions, an improvement off the puddle and considerable increase in welding speed too.

### DUAL.PULSE

Dual.PULSE favours a further reduction in the heat transfer to the workpiece by minimizing its deformation and it produces premium quality aesthetic beads similar to TIG finishing. Dual.PULSE is extremely useful when welding aluminium and stainless steel.





### X VISION CONTROL DISPLAY MIG

X Vision control display with "TWO CLICK KNOB" encoders for the pre-setting and monitoring of all the welding parameters:

- User friendly interface
- Welding mode "cycle"
- Personalized welding program storing and recalling
- Possibility of copying job/s easily from one machine to another via USB
- Advance setting infographic

### DOGMA: UNIQUE FEATURES

- **EASY-TO-LOAD WIRE COIL:** thanks to the spool holder's top frontal ergonomic position and inclined angle that allows a much easier placement.
- **INCLINED TORCH CONNECTION:** high position of the torch connector with inclined exit to optimize the welding wire's flow.
- **GREAT FRONTAL VISIBILITY:** of the wire feeder compartment and control interface at first glance.
- **REDUCED FLOOR OCCUPATION:** the equipment's vertical development saves space and floor area.

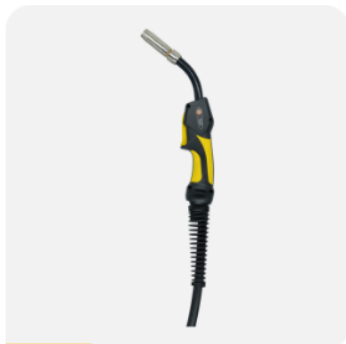


Available accessories

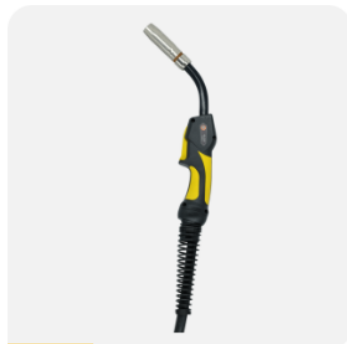
## DISCOVER ALL AVAILABLE ACCESSORIES



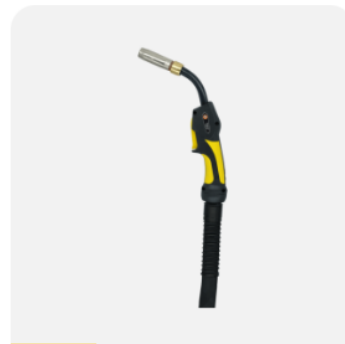
**CEA CL-1100**  
402075A



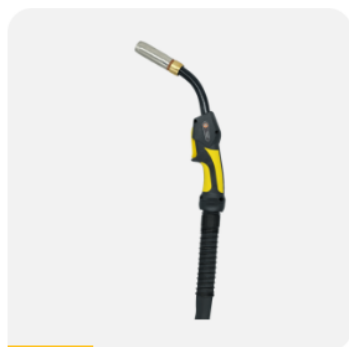
**CEA TORCH CX**  
2511/3



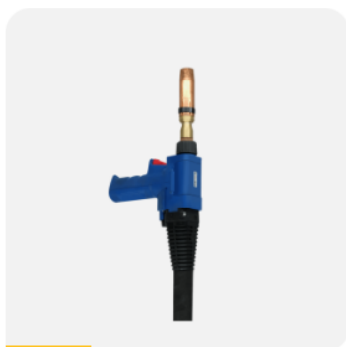
**CEA TORCH CX**  
3511/5



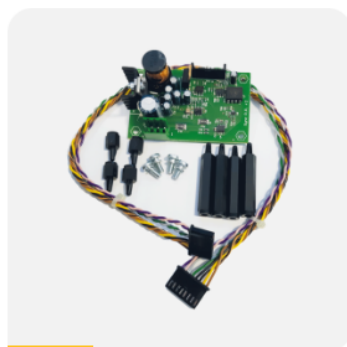
**CEA TORCH CXH**  
3021/4



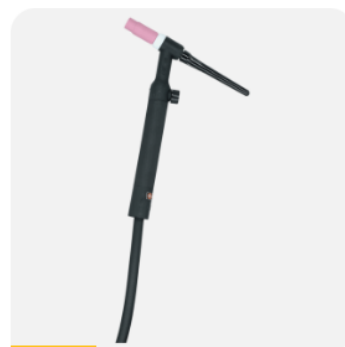
**CEA TORCH CXH**  
4021/4



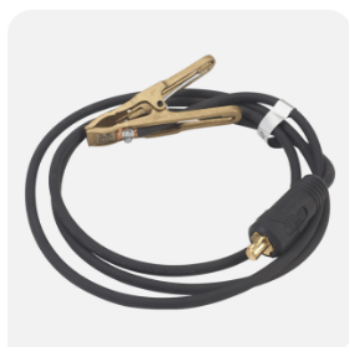
**PUSH PULL TORCH PP 401 D 8 M 24 V WATER COOLED**  
020488



**PUSH PULL SYNCHRONIZER 24/42V (DOGMA)**  
031123



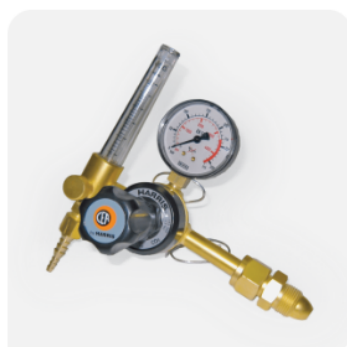
**CEA TORCH RTX**  
2611/8



**35 MM² / 4 M GROUND CABLE WITH CLAMP**  
239601



**50 MM² / 4 M GROUND CABLE WITH CLAMP**  
239603



**REDUCER WITH FLOWMETER AND 1 MANOMETER**  
020916



**TORCH SUPPORT FOR DOGMA**  
460373

Datasheet

## DOGMA / DOGMA PULSE: TECHNICAL FEATURES

TECHNICAL DATA			DOGMA XV			DOGMA PULSE XV		
			272 / 272 W	322 / 322 W	402 / 402W	276 / 276 W	326 / 326 W	406 / 406 W
Three phase input 50/60 Hz	V	+20% -20%	400			400		
Input Power @ I <sub>2</sub> Max	kVA		11,0	12,6	16,8	11,0	12,6	17,3
Delayed Fuse (I eff)	A		16	16	20	16	16	20
Power Factor / cos φ			0,74/0,99	0,87/0,99	0,92/0,99	0,74/0,99	0,87/0,99	0,92/0,99
Efficiency Degree			0,89	0,88	0,88	0,89	0,88	0,88
Open circuit voltage	V		60	63	63	60	63	63
Current range	A		10-270	10-320	10-400	10-270	10-320	10-400
Duty cycle at (40°C)	A 100%		180	240	300	180	240	300
	A 60%		200	270	340	200	270	340
	A %		270(30%)	320(35%)	400(35%)	270(30%)	320(35%)	400(35%)
Wires	Ø mm		0,6-1,6	0,6 – 1,6	0,6 – 1,6	0,6-1,6	0,6 – 1,6	0,6 – 1,6
Coil	Ø mm		300			300		
Standards			EN 60974-1 • EN 60974-5 • EN 60974-10					
			S					
Protection Class	IP		21S			21S		
Dimensions (LxWxH)	mm		792 X 463 X 1047			792 X 463 X 1047		
Weight (kg)	kg		15 (15,4 kg)	16 (15,7 kg)	20 (16,6 kg)	15 (15,4 kg)	16 (15,7 kg)	20 (16,6 kg)



WELDING TOGETHER

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