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CEA

MIG ROBOTIC

made In Italy
SINCE 1950





DIGITECH VP2 COMPACT

THE WELDING EDGE

SYNERGIC MULTIPROCESS INVERTER PULSED POWER SOURCES

DIGITECH are the most advanced and top performing multi-process pulse welding equipment of CEA.

Developed with the arc control software vision.ARC2, DIGITECH obtain incredible quality results with any material in all welding application.

DIGITECH COMPACT



Top welding performance

Technologically ahead and easy-to-use, they offer premium welding quality at high speed in PULSED MIG, DUAL PULSED, MIG-MAG, MMA and TIG with "lift" arc striking. DIGITECH are characterized by a digital interface with colour display and a synergic control to automatically determine the best welding parameters, based on the used type of material, the wire diameter and the gas.



Complete connectivity

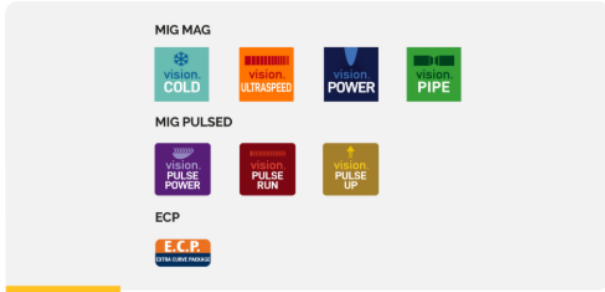
DIGITECH are open to be connected to a LAN, allowing to interface the equipment to a robot and support software, making these equipment the best solution in any industrial field requiring high precision and repeatability of the achieved results and complying with all the demands of the 4.0 Industry.

Other characteristics

- User Interface with LCD colour display to keep under control the whole welding process
- Monitoring and repeatability of the welding parameters
- Ability to partially or totally lock the equipment with access key by password
- Energy Saving" to operate the power source cooling fan and torch water cooling when necessary
- Up/Down MIG torch
- LAN connectivity to the network via Ethernet or WIFI (Optional)
- Data storing and data printing (Optional)



TECHNICAL FEATURES



VISION.ARC 2

vision.ARC 2 allows the power source control to operate in a more precise and faster way, thus granting an absolute constant arc and a perfect detachment of the droplet, mostly in MIG PULSED and DUAL PULSED.

vision.ARC2 also enables the use of the CEA special vision.Pulsed processes. Main advantages:

- improved arc stability
- optimization of the impulse characteristics
- quick and precise control of the short-circuits
- faster welding speed
- further reduced heat input



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.

DIGITECH VP3: SPECIAL PROCESSES

vision.ARC2 enables to weld with the following optional special processes:

MIG MAG

vision.COLD – vision.ULTRASPEED – vision.POWER – vision.PIPE

MIG PULSED

vision.PULSE-POWER – vision.PULSE-RUN -vision.PULSE-UP
E.C.P.

EXTRA CURVE PACKAGE



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.





WIRE FEEDER HT6 PRO DRIVE

- PROFESSIONAL WIRE FEEDING mechanism with 4 rolls of large diameter for a precise and constant wire driving
- DOUBLE GROOVE ROLLS replaceable without any tool
- LODGING FOR WIRE SPOOLS up to Ø 300 mm
- LED LIGHT in the feeder compartment
- INSPECTION WINDOWS in the spool cover
- HK1 Hanging Kit
- GRADUATED KNOB to achieve the most correct value of the wire pressure cables from the power source to the feeder.
- STRONG INDUSTRIAL CASE made to last

DIGITECH SYNERGIC CONTROL

DIGITECH VP3 control, fitted with the innovative colour display with icons and a clear infographic, allows even less expert welders to very easily adjust all the welding parameters in an intuitive way with extreme simplicity.

At the same time, DIGITECH VP3 power sources offer also most expert welders the possibility of fine tuning and customizing the welding process control, thanks to the ability to access clear, simple and complete under menus for the best possible configuration and optimization of the equipment.

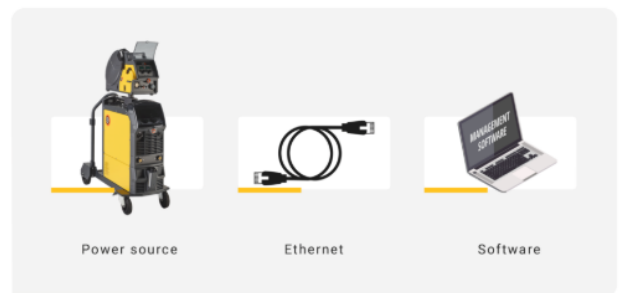


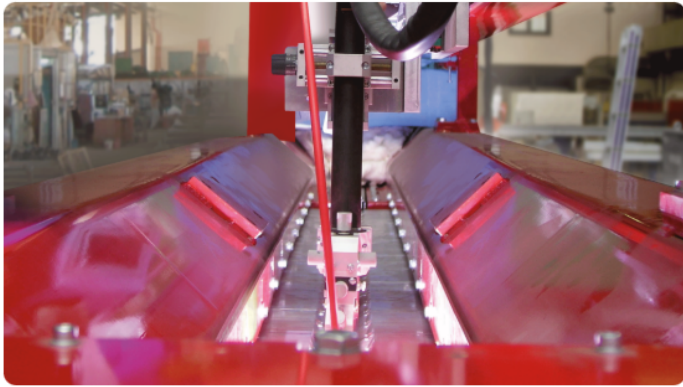
WSC - WIRE START CONTROL

WSC wire start control prevents any possible wire sticking to the workpiece or torch nozzle, by always ensuring a precise and "soft" arc striking.

ETHERNET LAN

All CEA DIGITECH VP3 are standard equipped with ETHERNET socket. This feature allows all users to interface the equipment to a remote device and support software.





SIMPLE AUTOMATION

CEA power sources are standard equipped with analogic-digital I/O. This allows to integrate very easily the power source into an automated welding equipment without any expensive and sophisticated external interfaces, usually necessarily supplied for robotics.

ROBOT INTERFACE

DIGITECH VP3 power sources can be connected to any Robot or Cobot by means of a CEA Robot Interface which can handle several analogic, fieldbus digital protocols depending on the features of the Robot to be used.



CQM CEA QUALITY MANAGER - CWM CEA WELDER MANAGER

CQM (CEA QUALITY MANAGER) is a software developed by CEA to enable welding data recording, monitoring, and printing by means of an external computer connected to one or more DIGITECH power sources.

CWM (CEA WELDER MANAGER) is a software developed by CEA designed to monitor the status of one or more DIGITECH power sources by connecting them via Ethernet (or Wi-Fi optional) to an external computer in the same network.



Available accessories

DISCOVER ALL AVAILABLE ACCESSORIES



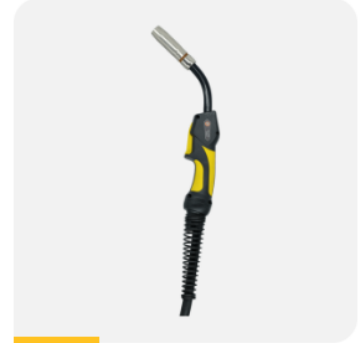
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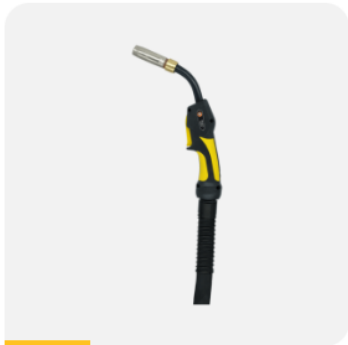
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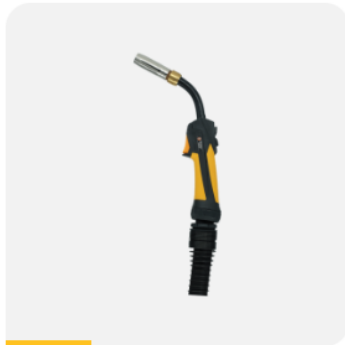
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70
4914



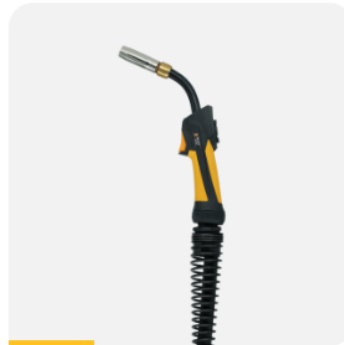
CEA TORCH CX
353/4
353/4



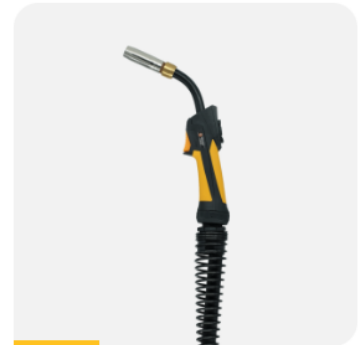
CEA TORCH CXH 302/4
020472



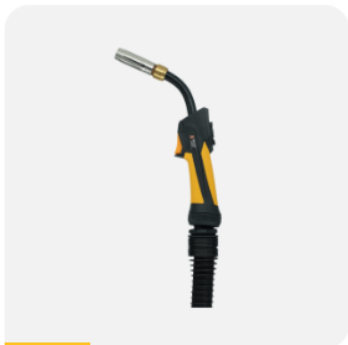
**CEA TORCH CXH 302/4
UP/DOWN-17P**
021005



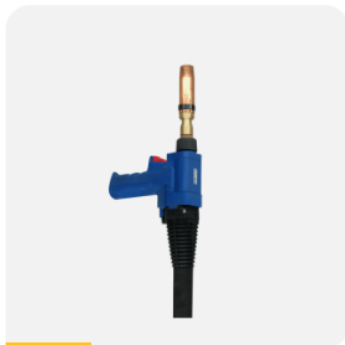
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UP/DOWN-17P**
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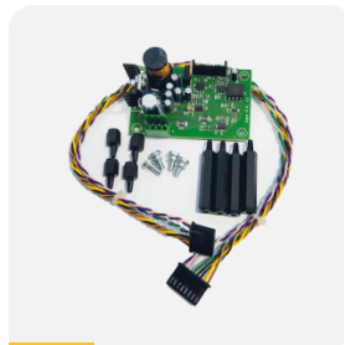
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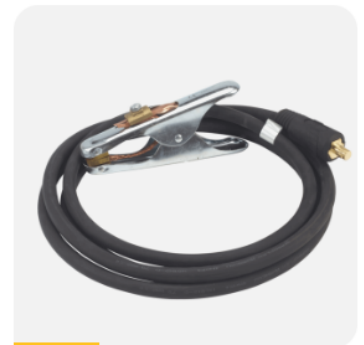
**CEA DIGITORCH DXH
302/4-17P**
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**PUSH PULL TORCH PP 401
D 8 M 24 V WATER COOLED**
020488



**PUSH PULL
SYNCHRONIZER (QF4-HT5)**
031107



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



**REDUCER WITH
FLOWMETER AND 1
MANOMETER**

020916



RC 178

236234



**AUTOTRANSFORMER A 13-
H 220V/400V-50/60HZ**

020340

DIGITECH VP2 COMPACT: TECHNICAL FEATURES

TECHNICAL DATA		DIGITECH 3200 VP2
Three phase input 50/60 Hz	V +10% -10%	400
Input Power @ I ₂ max	kVA	19
Delayed Fuse (I eff)	A	20
Power Factor / cos φ		0,66/0,99
Efficiency Degree		0,85
Open circuit voltage	V	62
Current range	A	10-320
Duty cycle at (40°C)	100%	240
	60%	270
	40%	320
Wires	mm	0.6-1,6
Standards		EN 60974-1 • EN 60974-10
		S
Protection Class	IP	23 S
Dimensions (LxWxH)	mm	660 x 290 x 515
Weight	kg	41



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