

## **CHAMP PULSE 225 MICRO**

PORTABLE MULTI-PROCESS MACHINE





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**CHAMP PULSE 225 MICRO**

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PORTABLE MULTI-PROCESS MACHINE



## CHAMP PULSE 225 MICRO



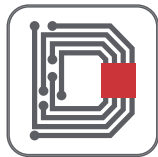
CHAMP Pulse 225 Micro is a portable, very light (only 16kg), powerful multiprocess welding machine. The CHAMP Pulse 225 Micro provides all MIG/MAG STANDARD SYNERGIC, MIG/MAG PULSED, MMA and TIG DC LIFT processes. It is also made available to include the DOUBLE PULSED function for those alternative MIG/MAG applications.

### TECHNOLOGY

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The PFC module allows low current absorption and let to weld up to 220Amps only with a 230Vac single-phase power supply.



The digital control of the inverter through the latest generation DSP (Digital Signal Processor) allows for quick and precise welding arc regulations.



Generator mode is set to optimize the power absorptions from the available nominal power of the Generator in use, protecting the welding machine whilst using all the available power provided.

Connector for connection to cooling unit.



Illuminated wire feeder compartment.

2-roller motor (also driving).

## CHAMP PULSE 225 MICRO



### Special Functions



Power Focus  
for deep penetrations.



Power Root specific  
for first root welds.

The duty cycle of 220Amps at 30% (40°C)  
make it suitable also for heavy tasks.

More than 50 MIG/MAG  
synergic programs available.

EURO connection  
for easy torch exchange.





# USER INTERFACE

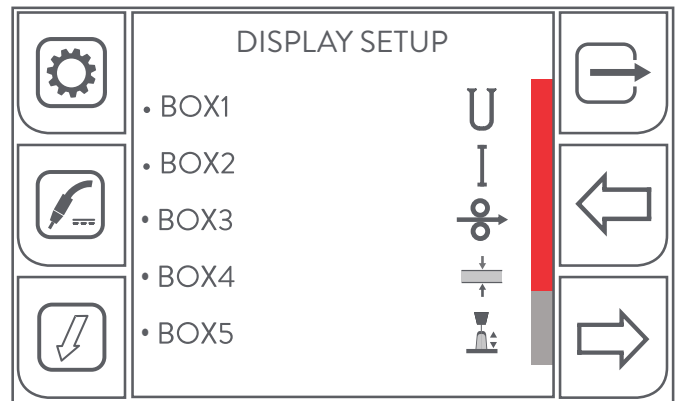


A simple interface that is easy to approach for a quick access to all parameters. The large 5” high resolution colour display permits all parameters to be easily read even in the poorest lighting conditions.



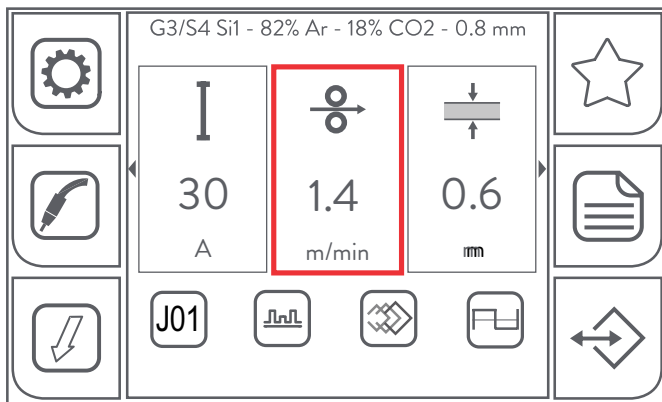
**Quick Setting**

The possibility to select from the panel any parameter, either through keys or through Encoder or in Touch Screen mode, allows you to quickly adapt to any condition of use.



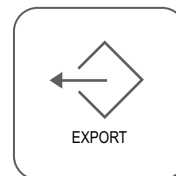
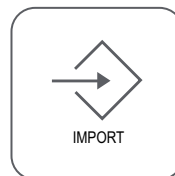
**Display customizable**

The users can set the display layout according to their needs.



**Favorites**

Favorite mode permits to create functions and JOBS shortcuts.



**Import/Export**

Import/Export Mode to “clone” the welding machine and customize any functions or adjustments.





| GUARD LIMITS |   |  |
|--------------|---|--|
|              | <ul style="list-style-type: none"> <li>Limits activation: on</li> <li>Current</li> <li>Voltage</li> <li>Wire Speed</li> <li>Wire feeder current</li> <li>Gas</li> <li>Reset limits</li> </ul> |  |
|              |   |  |
|              |   |  |

**Guard limits**

Setting of Warning and Alarm limits on welding parameters to avoid process drifts.

| N° | yymmdd     | hhmmss   | s    | A   | V    | m/min | N° | kJ  |  |
|----|------------|----------|------|-----|------|-------|----|-----|--|
| 1  | 2021-03-16 | 10-18-30 | 5.6  | 100 | 20.1 | 2.3   | 0  | 8.0 |  |
| 2  | 2021-03-16 | 10-23-00 | 14.8 | 80  | 20.1 | 2.3   | 0  | 8.0 |  |
| 3  | 2021-03-16 | 10-41-13 | 5.6  | 110 | 20.1 | 2.3   | 0  | 8.0 |  |
|    |            |          |      |     |      |       |    |     |  |

**Weld Log**

Weld log for saving welds. Exportable in csv format.



## **TECHNICAL DATA & MATERIALS**

## TECHNICAL DATA & MATERIALS



### Technical Data

| CHAMP PULSE 225 MICRO |                          |      |      |            |      |      |            |      |      |
|-----------------------|--------------------------|------|------|------------|------|------|------------|------|------|
|                       | 1x230Vac ± 15% @ 50-60Hz |      |      |            |      |      |            |      |      |
|                       | T 16A                    |      |      |            |      |      |            |      |      |
|                       | MIG/MAG                  |      |      | TIG        |      |      | MMA        |      |      |
| % <sub>0 40°C</sub>   | 30%                      | 60%  | 100% | 55%        | 60%  | 100% | 40%        | 60%  | 100% |
| ↳ I <sub>2</sub>      | 220A                     | 175A | 145A | 220A       | 210A | 175A | 180A       | 155A | 125A |
| % <sub>0 25°C</sub>   | -                        | 80%  | 100% | -          | -    | 100% | -          | -    | 100% |
| ↳ I <sub>2</sub>      | -                        | 220A | 180A | -          | -    | 220A | -          | -    | 180A |
| I <sub>2</sub>        | 10A-220A                 |      |      | 10A - 220A |      |      | 10A - 180A |      |      |
| U <sub>0</sub>        | 52V / 5V                 |      |      |            |      |      |            |      |      |
| P <sub>MAX</sub>      | 6,5KVA - 6,4KW           |      |      |            |      |      |            |      |      |
| IP                    | 23                       |      |      |            |      |      |            |      |      |
|                       | 509 x 226 x 368mm        |      |      |            |      |      |            |      |      |
|                       | 16 Kg                    |      |      |            |      |      |            |      |      |

### Materials

Stainless steel

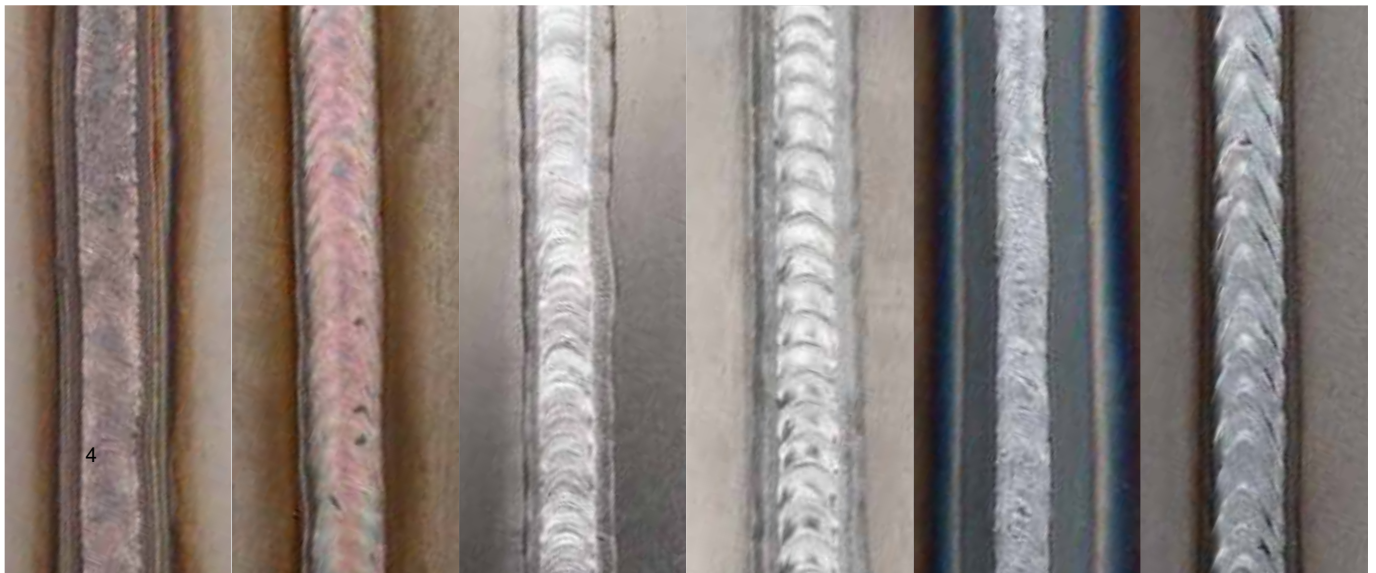
Stainless steel  
double pulse

Aluminium Mg

Aluminium Mg  
double pulse

Mild steel

Mild steel  
double pulse





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