

# SYSTEM CONTROLLER FPA 2030

/ Orbital welding power source with integrated microprocessor-controller



/ FPA system-controller are universal and functional useable with orbital weld heads for tube-tube/tube-flange/ tube-tubesheet welding. Application area in microelectronics, pharmacy/biochemical industry, food industry, aeronautics/aerospace, heat exchangers, shipbuilding, energy and climate technology.

## STANDARD EQUIPMENT

- / FPA 2030 orbital system controller, mounted on carriage
- / Generator compatible
- / Integrated gas sensor
- / Integrated printer
- / USB flash drive (save/load/backup)
- / Remote control FPA 2030-RC with 10 m (393.7 in) cable
- / Simple programming via intuitive program interface
- / Touch-screen display with graphical process-visualisation
- / Language selection (de/gb/fr/it/es/pb/ru)
- / Save and load programs to USB flash drive
- / Welding data documentation on USB flash drive
- / Synergic-Mode (material, wall thickness, gas,...)
- / Auto-diagnostic-system (error-code)
- / Ethernet and RS232 interface for service
- / Addressing rotation axis, welding power source parameter, purging gas and wire feeder

## PARAMETER

- / Save/load up to 200 programs
- / 3 special tack programs with up to 20 tack points
- / 10 sectors/program free definable

## FUNCTIONS

- / Program selection
- / Start/stop with slope, immediate weld stop
- / Emergency-stop
- / Manual positioning of axes
- / Manual wire inching (forward/reverse)
- / Parameter adjusting during welding (on the fly)
- / Shielding and purging gas on/off
- / Touch & retract
- / Automatic torch centering



/ Circuit points FPA 2030

## ACCESSORIES

- / Addressing AVC/touch & retract (MU IV, TS, Polycar 60-2)
- / Addressing OCS/electrode-centering (MU IV, Polycar 60-2)
- / Software FPA Xplorer for offline-mode (data documentation and -archiving)
- / Ethernet cable FPA Xplorer (online-mode)
- / Remote diagnosis via modem (analogue/digital)
- / Adaptor-set welding heads
- / Welding power sources, cooling units, cold wire supply
- / Carriage PickUp
- / Orbital welding heads
- / Hosepack extension
- / USB flash drive
- / Printer paper

## DISPLAY DURING WELD CYCLE

- / Welding current (A)
- / Arc voltage (V)
- / Torch position (degree)
- / Welding speed (cm/min)
- / Wire feed speed (cm/min)

## TECHNICAL DATA

FPA 2030	
Nominal current	4 A
Power consumption	220 VA
Control voltage	24 V
Motor voltage	24 V
Mains voltage (via welding power source)	55 V
Protection class	IP 23
Dimensions l/w/h	500 x 390 x 320 mm (19.7 x 15.3 x 12.6 in)
Net weight without remote control	15 kg (33 lb)

/ Battery Charging Systems / Welding Technology / Solar Electronics

### WE HAVE THREE DIVISIONS AND ONE PASSION: SHIFTING THE LIMITS.

/ Whether Battery Charging Systems, Welding Technology or Solar Electronics - our goal is clearly defined: to be the technology and quality leader. With more than 3,000 employees worldwide, we shift the limits of what's possible - our 737 active patents are testimony to this. While others progress step by step, we innovate in leaps and bounds. Further information about all Fronius products and our global sales partners and representatives can be found at [www.fronius.com](http://www.fronius.com).



v02 2011 EN

**Fronius Canada Ltd.**  
2875 Argentia Road, Units 4,5 & 6  
Mississauga, ON L5N 8G6  
Canada  
Telephone +1 905 288-2100  
Fax +1 905 288-2101  
[sales.canada@fronius.com](mailto:sales.canada@fronius.com)  
[www.fronius.ca](http://www.fronius.ca)

**Fronius USA LLC**  
10421 Citation Drive, Suite 1100  
Brighton, Michigan 48116  
USA  
Telephone +1 810 220 4414  
Fax +1 810 220 4424  
[sales.usa@fronius.com](mailto:sales.usa@fronius.com)  
[www.fronius-usa.com](http://www.fronius-usa.com)

**Fronius International GmbH**  
Froniusplatz 1  
4600 Wels  
Austria  
Telephone +43 7242 241-0  
Fax +43 7242 241-3940  
[sales@fronius.com](mailto:sales@fronius.com)  
[www.fronius.com](http://www.fronius.com)