



## System controller FPA 2030

### Orbital system controller with microprocessor-controller

#### Standard equipment

FPA 2030 Orbital system controller, mounted on carriage  
 Generator compatible  
 Integrated gas sensor  
 Integrated printer  
 USB-stick  
 Remote control FPA 2030-RC with 10 m cable

Easy programming via intuitive program interface  
 Touch-screen display with graphical process-visualisation  
 Language selection (DE/GB/FR/IT/ES/PB/RU)

Addressing welding power source parameter  
 Addressing torch rotation axis with encoder  
 Addressing wire feeder  
 Addressing purging gas

Load and save programs to USB-stick  
 Welding data documentation on USB-stick  
 Creating backups on USB-stick  
 SynergicMode (material, pipe outside diameter, wall thickness, gas,...)  
 Auto-diagnostic-system (error-code)  
 Ethernet and RS232 interface for service

#### Programming welding parameter:

- Internal memory (200 programs)
- 3 special tack programs with up to 20 tack points
- 10 sectors/program free definable

#### Display during weld cycle:

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

#### Remote control FPA 2030-RC functions:

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

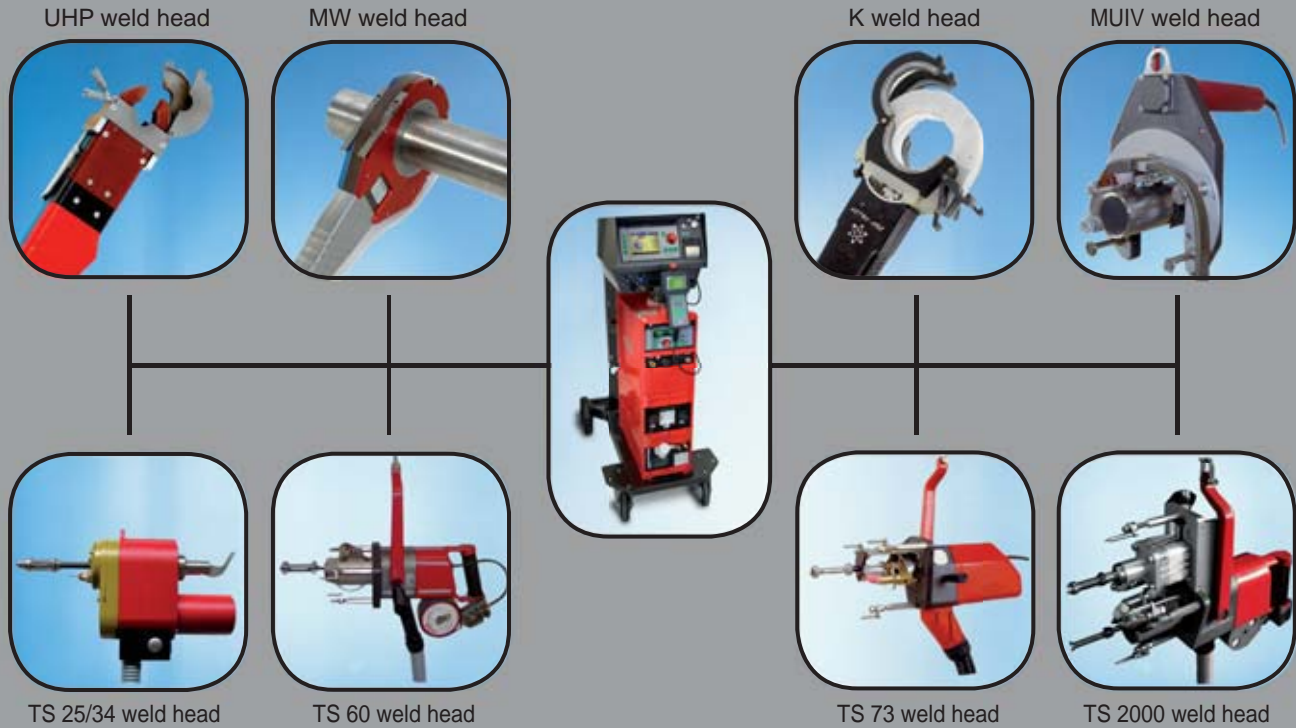


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## Configuration examples:



### 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  
 Remote diagnosis via modem (analogue/ digital)  
 Adaptor-set for welding heads  
 Welding power sources, cooling units, cold wire supply  
 Carriage PickUp  
 Orbital welding heads  
 Hosepack extension  
 USB-stick  
 Printer paper

### Recommended areas of use

The FPA 2030 system controller is universal and functional useable with orbital weld heads for tube-tube/ tube-flange/ tube-tubesheet welding

- Microelectronics
- Pharmacy/Biochemical industry
- Food industry
- Climate technology
- Aeronautics/Aerospace
- Heat exchangers
- Ship building
- Energy / boilers

Technical data	FPA 2030
Mains voltage (via welding power source)	55 V
Protection class	IP23
Dimensions lxbxh	500 x 390x 320 mm
Net weight (without remote control)	15 kg



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