

# CONTROL UNIT FCU-20

/ Control unit for mechanized circumferential welding



/ The FCU-20 is a compact control unit for turntables (FTT 10/40/150, FRT 50/150H), specially for circumferential welding operations (MIG/MAG, TIG and Plasma).

## STANDARD EQUIPMENT

- / Touchscreen display with graphical user interface
- / Exchangeable protective film (spatter resistant)
- / Alternative operation via multifunctional rotary button
- / Parameter input while the running program sequence
- / PLC control with frequency inverter
- / EMC compatible
- / HF-compliant
- / 2-step mode
- / Control line for turntable 3,5 m (138 in)
- / Control line for power source 5 m (198 in)
- / Mains cable with plug 5 m (198 in)

## ACCESSORIES

- / Rob 3000 interface for Job-mode
- / I-kit Job-mode for 2<sup>nd</sup> power source
- / I-kit Activation FRC 1
- / I-kit Activation FRT 150
- / I-kit Welding step axis
- / Connection cable 5 m (197 in) to FCU-11/FCU-12
- / Connection cable 3 m (118 in) to KD 4010
- / Connection cable 5 m (197 in) to FPT
- / Uptake FCU



/ Touchscreen



/ Multifunctional rotary button



/ Exchangeable protective film

## FUNCTIONS

- / Main switch on/off
- / Start/stop
- / Welding on/off
- / Welding direction
- / Fine positioning
- / Rapid motion
- / Pneumatic on/off
- / External device Start/stop
- / Successor programs
- / Monitoring current-flow signal
- / Emergency stop

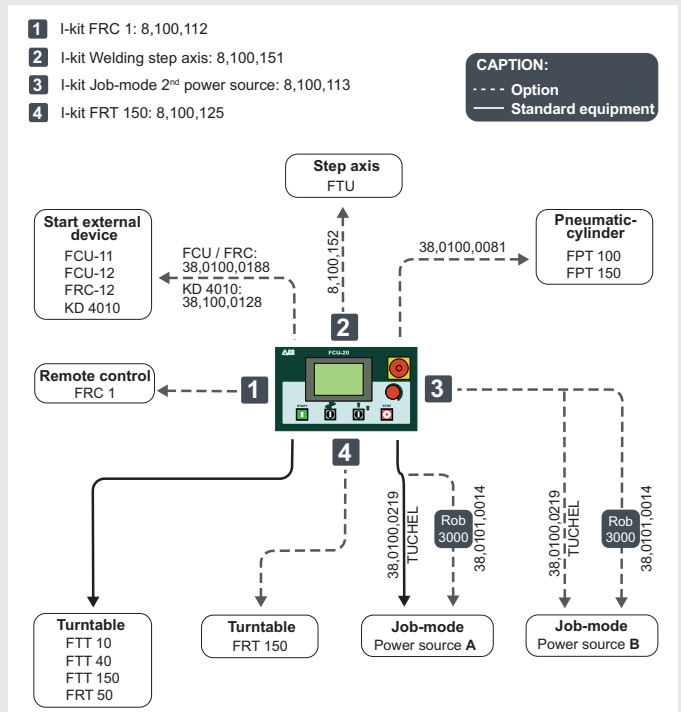
## PARAMETER

- / Start-up time lag
- / Job-selection (Rob 3000 necessary)
- / Overlap time
- / Downslope time
- / Endcrater-current time
- / Time lag for external start
- / Cooling time
- / Flying start
- / Welding direction
- / Rotation speed
- / Pneumatic on/off
- / Successor programs on/off
- / Reversing on/off
- / External start

## TECHNICAL DATA

FCU-20	
Mains voltage, 50 - 60 Hz	230 V
Control voltage	24 V
Mains fuse	1,5 A
Power consumption	230 VA
Dimensions l/w/h	350 x 245 x 160 mm (13.8 x 9.7 x 6.3 in)
Weight	6,1 kg (13.4 lb)

## SYSTEM OVERVIEW



/ 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).



Axson Teknik är certifierade  
enl. ISO 9001:2008



# AXSON

AXSON TEKNIK AB • S. Långebergsgatan 18 • 436 32 Askim • Tel 031-748 52 80

[www.axson.se](http://www.axson.se)

Medlem i

SVETS  
KOMMISSIONEN