

A6S Arc Master

Flexibility as standard

- Flexibility, reliability and superior performance capability
- Comprehensive component and module system make process customization easy.
- A6 VEC motor for reliable and consistent wire feed.
- Accurate, easy manual PAV or automatic GMH joint tracking with manual slides or joystick-controlled motor-operated cross slides.
- Capable of heavy-duty gas metal arc welding (GMAW), single/twin wire submerged arc welding (SAW), as well as strip cladding and Integrated Cold Electrode (ICE) welding with optional accessories.
- Uses A2-A6 PEK process controller for fast, accurate pre-setting of all parameters before welding starts.
- Feedback system ensures high and consistent welding quality - saves time and material.
- The welding heads can be equipped with a standard wire feed unit (gear ratio 156:1) or with a high-speed wire feed unit (gear ratio 74:1).



Ordering information

Single wire SAW systems

standard wire feed unit (gear ratio 156:1)

With manual slides 210x210 mm	0449 270 900
With motorized slides 300x300 mm and PAV	0449 270 901
With motorized slides 300x300 mm and GMH	0449 270 902

high-speed wire feed unit (gear ratio 74:1)

With manual slides 210x210 mm	0449 270 910
With motorized slides 300x300 mm and PAV	0449 270 911
With motorized slides 300x300 mm and GMH	0449 270 912

Twin-wire SAW system

high-speed wire feed unit (gear ratio 74:1)

With manual slides 210x210 mm	0449 271 910
With motorized slides 300x300 mm and PAV	0449 271 911
With motorized slides 300x300 mm and GMH	0449 271 912

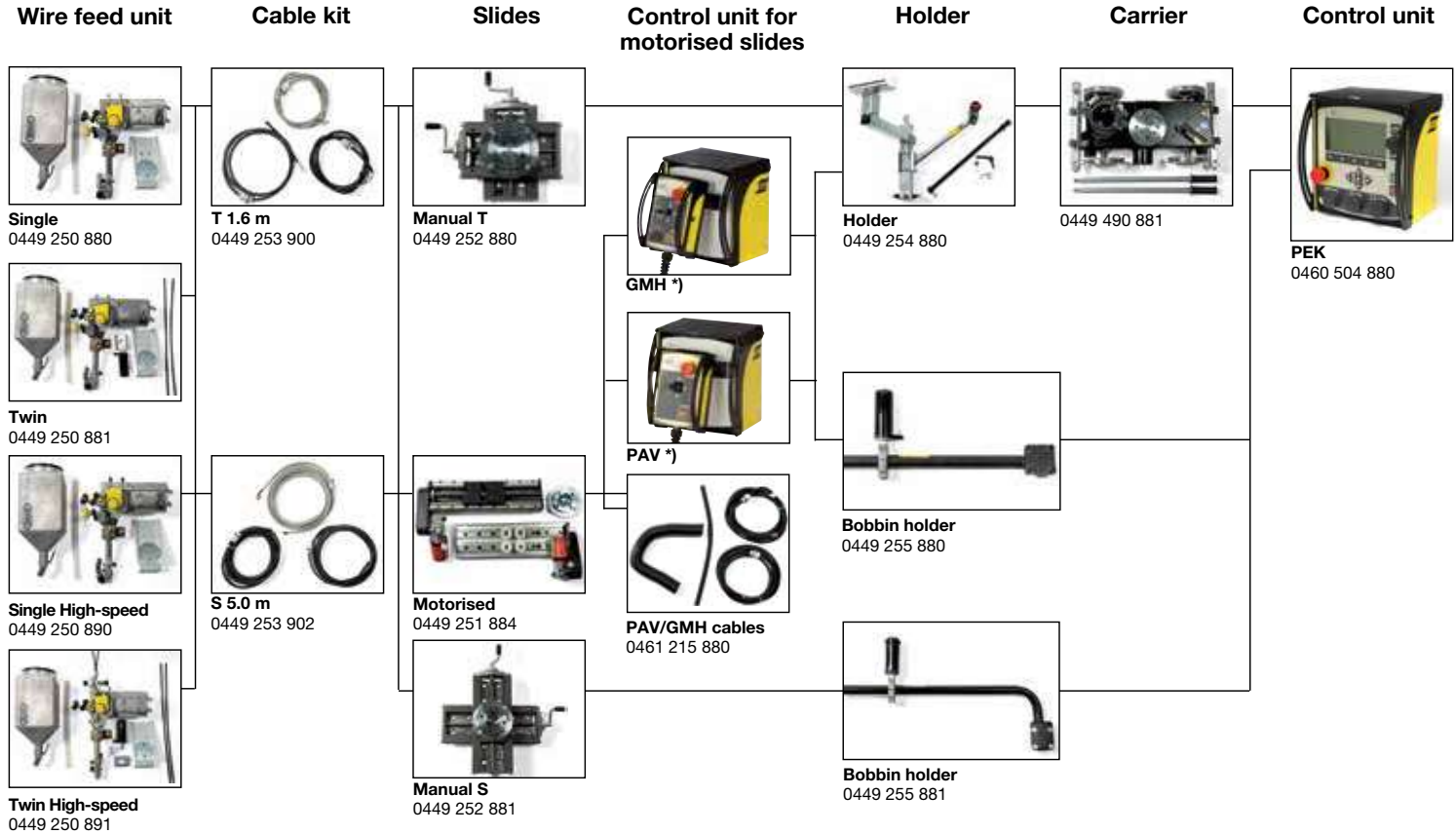


Technical data

Technical data	Ratio 156:1	Ratio 74:1
Max. wire feed speed, m/min (ipm)	0.2-4.0 (8-157)	0.4-8.0 (16-315)
Wire diameter, single, mm (in.)	3.0-6.0 (0.118-0.236)	1.6-4.0 (0.063-0.157)
Wire diameter, twin, mm (in.)	2x2.0-2x3.0 (2x0.079-2x0.118)	2x1.6-2x2.5 (2x0.063-2x0.098)
Tubular wire single, mm (in.)	3.0-4.0 (0.118-0.157)	1.6-4.0 (0.063-0.157)
Linear slide stroke length, mm (in.)	90 (3.5)	90 (3.5)
Rotary slide setting range		
Circular slide, crank operated	± 180°	± 180°
Straightener	± 45°	± 45°
Max. permissible load, 100%, A	1500	1500

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A6 Component system Modularization



*) article numbers for PAV and GMH, see Accessory components, joint tracking