

# A2S Mini Master

## Multi-Purpose Welding System



- Versatile welding system for single wire submerged arc welding (SAW), twin wire SAW, or gas metal arc welding (GMAW)
- Lightweight, compact design for greater flexibility
- Modular design allows user to expand, integrate, or modify the system quickly and easily
- Use with A2-A6 PEK or A2 PEI process controller
- Accurate, easy joint-tracking with manual or motorized slide system and manual PAV or automatic GMH joint tracking
- The system attaches to any beam travelling carriage or Column & Boom system



### Ordering Information

#### A2S Mini Master SAW Systems - PEK

Manual slides 3.5x3.5 in. (90x90 mm) ..... 0449170900  
 Motorized slides 7x7 in. (180x180 mm), PAV... 0449170901  
 Motorized slides 7x7 in. (180x180 mm), GMH. 0449170902

#### A2S Mini Master SAW Systems - PEI

Manual slides 3.5x3.5 in. (90x90 mm) ..... 0449370880  
 Motorized slides 7x7 in. (180x180 mm), PAV... 0449370881  
 Motorized slides 7x7 in. (180x180 mm), GMH. 0449370882

#### A2S Mini Master GMAW MTW (4WD) Systems - PEK

Manual slides 3.5x3.5 in. (90x90 mm) ..... 0449181900  
 Motorized slides 7x7 in. (180x180 mm), PAV... 0449181901  
 Motorized slides 7x7 in. (180x180 mm), GMH. 0449181902

#### A2S Mini Master GMAW MTW (2WD) Systems - PEI

Manual slides 3.5x3.5 in. (90x90 mm) ..... 0449380880  
 Motorized slides 7x7 in. (180x180 mm), PAV... 0449380881  
 Motorized slides 7x7 in. (180x180 mm), GMH. 0449380882

### Options & Accessories

Laser lamp kit (for PEK), 6.5 ft. (2 m) cable ..... 0821440880  
 Laser lamp kit (for PEK), 23 ft. (7 m) cable ..... 0821440883  
 Thin wire straightener, single wire ..... 0332565880  
 Thin wire straightener, twin wire ..... 0145787880

#### Gas Handling Equipment, GMAW Only:

Cooling unit OCE 2H, 220V AC 50/60 Hz ..... 0414191881  
 Gas hose..... 0190270101  
 Water-cooling hose..... 0190315104  
 Arc shield ..... 0334689880

#### Optional Equipment SAW:

Flux recovery unit OPC ..... 0148140880  
 Flux container, silumin alloy ..... 0413315881  
 Concentric flux funnel ..... 0145221881  
 Contact tube, bent..... 0413511001  
 Wire reel, plastic, 66 lbs. (30 kg) ..... 0153872880  
 Wire reel, steel, 66 lbs. (30 kg) ..... 0416492880  
 Wire reel, steel, flexible width..... 0449125880  
 Wire reel, steel, Ø 8.7 in. (220 mm) ..... 0671164080

Conversion kit, SAW to GMAW MTW (4WD)<sup>1</sup> .. 0461248880

<sup>1</sup>For A2-A6 PEK process controller.

### Specifications

A2S Mini Master	Single wire SAW	Twin wire SAW	GMAW	GMAW MTW 600w
Wire diameter, in. (mm):				
Steel	1/16-5/32 (1.6-4.0)	2x.045-3/32 (2x1.2-2.5)	.030-1/16 (0.8-1.6)	.040-1/16 (1.0-1.6)
Stainless Steel	1/16-5/32 (1.6-4.0)	-	.030-1/16 (0.8-1.6)	.040-1/16 (1.0-1.6)
Cored wire	1/16-5/32 (1.6-4.0)	-	.045-3/32 (1.2-2.4)	.040-3/32 (1.0-2.4)
Aluminum	-	-	.045-1/16 (1.2-1.6)	.040-5/64 (1.0-2.0)
Max. wire feed speed, ipm (m/min)	354 (9)	354 (9)	630 (16)	984 (25)
Flux hopper capacity, gal. (L)	1.4 (6)	1.4 (6)	-	-
Max. permissible load 100%, A	800	800	600	600
Control voltage, V AC	42	42	42	42
Linear slide stroke length, in. (mm)	3.5 (90)	3.5 (90)	3.5 (90)	3.5 (90)
Rotary slide setting range	360°	360°	360°	360°

### ESAB Welding and Cutting Products

USA: www.esabna.com / 1.800.ESAB.123 | Canada: www.esab.ca / 1.877.935.3226 | Mexico: www.esab.com.mx / (81) 8305-3700