

Welding package

- Miggytrac 1001, power source, wire feed unit, welding gun and cables

The Miggytrac 1001 is a superb complement to your ESAB MIG/MAG welding machine if you wish to automate your GMAW process.

The Miggytrac 1001 is a small, compact, motor driven tractor. The four wheel drive in combination with a permanent magnet fitted underneath the tractor assures an even and stable movement. The magnet can be switched on/off and holds the tractor in the correct position on the workpiece, even if it is bent or angled.

The tractor follows the weld via adjustable guide wheels allowing it to drive itself against the work piece.

The torch holder is equipped with manual slides for fine adjustments of torch position.

In combination with ESAB's semi-automatic Origo™ power sources, Origo™ wire feed units and PSF™ welding guns you have a superb welding automat.

The tractor functions as a straightforward remote control for the feed unit - you can choose, set and adjust the following functions:

- Travel direction
- Start / Stop of welding
- Travel speed settings (150-1200 mm/min)
- Wire feed speed
- Voltage

Applications

- Fillet welding in narrow applications
- Long monotonous welding of stiffeners or small profiles



Productivity example

Manual MIG/MAG compared with Mechanized MIG/MAG

- **Horizontal welding, fillet joint, a=4 mm**
- **Weight of weld metal:** 0.16 kg/m
- **Filler material:** OK 14.12, Ø 1.4 mm, mixed gas Ar+CO₂
- **Parameters**
 - manual welding: 250A, 28 V = 4 kg/hour
 - mechanized welding: 300A, 30V = 5.2 kg/hour
- **Welding length**
 - manual welding: 25 m/hour
 - mechanized welding: 32.5 m/hour
- **Arc time factor manual welding:** 20%
 - gives a welding length of 5 m/hour
- **Arc time factor mechanized welding:** 50%
 - gives a welding length of 16.25 m/hour

Increase in productivity: 225 %

Technical data

For technical data we refer to resp fact sheet:

Miggytrac 1001	XA00126320
Origo™ Mig 402c	XA00134520
Origo™ Feed 304, M13	XA00135420
Welding gun PSF™ 405	XA00100020



RTU – packages, part number information:

Air-cooled

Package contents	Ordering number 0461 175 880	Ordering number 0461 176 880
Miggytrac 1001	1	1
Origo™ Mig 402c	1	1
Origo™ Feed 304, M13 incl. V/A meters, Encl, Amp 19	1	1
Wheel kit	1	1
PSF™ 405, Hose length 4.5 m	1	1
Control cable Miggytrac 1001 – Origo™ Feed 304, 5 m	1	1
Connection cable Origo™ Mig 402c – Origo™ Feed 304	15 m	
Connection cable Origo™ Mig 402c – Origo™ Feed 304		35 m

Water-cooled

Package contents	Ordering number 0461 175 881	Ordering number 0461 176 881
Miggytrac 1001	1	1
Origo™ Mig 402cw	1	1
Origo™ Feed 304w, M13 incl. V/A meters, Encl, Amp 19	1	1
Wheel kit	1	1
PSF™ 410w, Hose length 4.5 m	1	1
Control cable Miggytrac 1001 – Origo™ Feed 304w, 5 m	1	1
Connection cable Origo™ Mig 402cw – Origo™ Feed 304w	15 m	
Connection cable Origo™ Mig 402cw – Origo™ Feed 304w		35 m

Accessories, Spare parts and Wear parts are handled in separate documentation

Sender (Dealer distributor)

