

# Buddy™ Mig 500i

# Buddy™ Feed 402

## Rugged & Reliable Package

### Robust and powerful

Buddy Mig 500i is an inverter controlled power source meant for MIG/MAG welding. With well proven technology, the inverter controlled power source will reduce the overall input power required thus reducing energy cost.

The power source is built to withstand rugged use which makes it a perfect solution for industrial usage. It is ideally intended for heavy industries welding mild steel solid & flux-cored wire.

Electronically controlled feeding gives accurate and stable arc control. Stepless inductance control provides good arc starting characteristics and low spatter level at low current.

### Easy settings

Wire feed speed, voltage control and wire inching are made on the wire feeder. The crater current and voltage, gas check, 2/4 stroke and inductance are set on the front panel of the power source.

Other settings such as creep start, pre-flow and post-flow are preset to reduce the hassle of adjusting the machine.

### Flexibility

The compact & lightweight wire feeder allows access of the feeder unit into tight spaces, thus improving mobility.

The power source has an heater outlet for powering a 110V CO<sub>2</sub> heater regulator to remove the need for an additional power line.

The sturdy eyelets allow the power source to be lifted easily and an optional trolley allows the gas cylinder to be placed together with the power source to improve mobility.



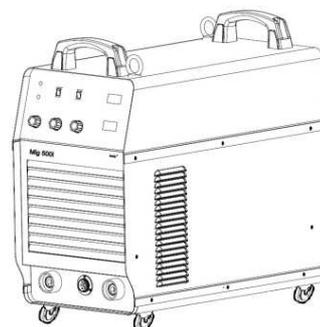
### Applications

- Shipbuilding
- Civil construction
- Pipe workshops
- General steel fabrication

- **Inverter controlled** – more efficient power usage
- **Light weight** – improve mobility
- **Easy-to-use control panel** – quick setup
- **Sturdy eyelets for lifting** – improve mobility (power source only)
- **Stepless inductance** – easy to optimize settings

## Technical data

<b>Product name</b>	<b>Buddy™ Mig 500i</b>
<b>Mains voltage, V/Ph Hz</b>	400V ± 15%, 3ph, 50Hz
<b>Fuse (slow), A</b>	35
<b>Mains cable, Ø mm<sup>2</sup></b>	4C x 6
<b>Permitted load at (MIG)</b>	
60% duty cycle, A/V	500 / 39
100% duty cycle, A/V	387 / 33.4
<b>Power factor at maximum current</b>	0.93
<b>Efficiency at maximum current, %</b>	85
<b>Setting range (MIG/MAG), A / V</b>	50 – 500 / 15 – 50
<b>Open circuit voltage, V</b>	70
<b>Control voltage, V</b>	24 DC
<b>Heater output voltage, V</b>	110 AC
<b>Dimensions l x w x h, mm</b>	610 x 335 x 640
<b>Weight, kg</b>	56
<b>Operating temperature</b>	-10 till 40°C
<b>Enclosure class</b>	IP21
<b>Application class</b>	S
<b>Standards</b>	IEC 60974-1 IEC 60974-10



<b>Product name</b>	<b>Buddy™ Feed 402</b>
<b>Wire feed voltage, V</b>	24 DC
<b>Wire feed speed, m/min</b>	1.5 - 20
<b>Wire diameter, MS/(FC/Al), mm</b>	0.8 – 1.6 (1.2 – 1.6)
<b>Weight, kg</b>	9
<b>Dimensions l x w x h, mm</b>	460 x 200 x 280
<b>Operating temperature</b>	-10 till 40°C
<b>Connection Type</b>	EURO

## Ordering information

<b>Power Source</b>		
Buddy™ Mig 500i		0700 301 000
Supplied with 3m mains cable & 5m return cable with clamp		
<b>Wire Feeder</b>		
Buddy™ Feed 402		0700 301 200
With 1 pressure roller & 2 feed rollers (1.2/1.6 V & 1.2/1.6 V-K)		
<b>Connection Sets</b>		
Connection Set, 15m		0700 301 300
Connection Set, 25m		0700 301 301
Comprises of welding cable, gas hose & control cable		
<b>Mig Guns</b>		
PSF 405, 3m		0458 401 882
PSF 405, 4.5m		0458 401 883
<b>Optional Accessories:</b>		
Wheel Kit (2 fixed & 2 swivel castor wheels)		0700 301 010
Trolley with gas tray		0700 301 011
CO <sub>2</sub> regulator	As per local requirement	
Heavy duty Basic welding gloves		0700 005 007
Origo™ Tech 9-13 Black welding helmet		0700 000 296
Origo™ Tech 9-13 Yellow welding helmet		0700 000 298

### Quality accessories for the quality welder

ESAB offers a wide range of accessories. The complete range, along with product information, is available at our local web-sites, look at [www.esab.com](http://www.esab.com) or contact your local ESAB dealer.

### Unrivalled service and support

Our commitment and ability to deliver the expected service and support starts immediately after the order is confirmed. We endeavour to offer our customers an After Sales service, which is second to none. A strong and skilful service organisation is prepared to offer service and maintenance, calibration, validation and upgrading of equipment and software. The service organisation will offer standardised solutions for the reconditioning or modification of existing products.



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