

# MagTrac F 61

A quick way to welding mechanisation



# An express carriage to higher welding productivity and quality

Light mechanisation is the most efficient way of improving welding productivity at shipyards and metal workshops. It has also a favourable effect on the safety and ergonomics of welding work. As welding carriage performs the heavy work, the welder can concentrate on monitoring the process and quality.

**Kemppi's MagTrac F 61 is a quick and easy way of changing from manual MIG/MAG welding to productive mechanisation.** Operating MagTrac F 61 is similar to operating any ordinary welding machine, so there's no need for special expertise. With MagTrac F 61 you don't need auxiliary control cables or transformers, because everything is fully integrated in one cable.

**MagTrac F 61 is sold in sales packages that contain everything you need for efficient welding mechanisation:** the carriage unit, a Kemppi FastMig power source, an MXF wire feed unit, a special welding gun, and the necessary cables. You can optionally select a package that includes a SuperSnake subfeeder to get up to 15 meters of extra reach.

**MagTrac F 61 is compatible with Kemppi's Wise™ welding processes,** which allow you to further increase your welding productivity and quality. Full process control is enabled via Kemppi's LCD control panel, integrated to the MagTrac F 61 carriage. The display orientation can be inverted, which makes control panel usage easy in vertical applications, too. The control system allows full operational control for both carriage drive and welding parameters alike.

Combined with Kemppi high-quality process control and industrial welding systems, the MagTrac F 61 offers truly unique qualities.



## + Why buy

- A magnetic carriage unit for MIG/MAG welding mechanisation
- Compatible with FastMig KMS and FastMig Pulse welding equipment
- Compatible with Wise™ welding processes and other Kemppi welding software products
- Power supply and all necessary cables fully integrated in one cable
- Fast and easy setup: no extra cables or transformers needed
- Includes Kemppi's unique gun quick-fixing mechanism (patent pending)
- Remembers the heat input and other welding values for use with WPS's
- Increased welding productivity and quality

## Productivity, quality, comfort

### Solve bottlenecks in your production

- If welding is the bottleneck of your production, take up mechanisation. It can be an easy way to improve welding productivity.
- MagTrac F 61 makes mechanisation easy. You need no extra cables, no transformers, no special skills.
- The welding speed and quality stay consistently on high level.

### Make your welding work safe and convenient

- Light mechanisation is hands-free welding. The welder controls carriage operation conveniently from a distance.
- By using MagTrac F 61 you get improved ergonomics, less radiation and less welding fumes.

## Up to 5 times faster than manual welding

Manual welding	20 cm/min
MagTrac F 61	100 cm/min

When examined in a long run, the average welding speed in manual welding is typically 20–40 cm/min, whereas in light mechanisation you can reach up to 100 cm/min in horizontal fillet welds.

## MagTrac F 61 features



MagTrac F 61 can also be delivered with Kemppi's SuperSnake subfeeder, which gives you up to 15 meters of further reach.

- Wise™ compatible
- Memory channels
- Weld on/off
- Travel direction
- Turnable display orientation
- Drive speed
- Welding voltage
- Welding current
- Wire feed speed
- Arc on/off
- Wire inch
- Gas test
- Cycle weld
- Heat input monitoring
- Last weld length
- Total weld length
- Average current and voltage



The strong magnet keeps it on the right track even in demanding jobs.



Turnable display orientation allows easy control panel usage also in vertical applications.



## Technical data

MagTrac	F 61			
Input power	50 VDC / 1 A	Non-welding distance	Start	127 mm
Data bus type	KempBus		End	127 mm
Travel speed	150 – 1800 mm/min	Auto-stop function		Limit switch on both sides
Towing power	30 kg	Torch model		Kemppi MMT 42C
Driving method	Rail-less drive with permanent magnetic- suction	Torch angle adjustment range		+/- 30°
Wheels	4 rubber wheels	Torch distance adjustment range	up/down, fw/bw	45 mm
Tracing method	Guide rollers	External dimensions	L x W x H	259 x 259 x 285 mm
Guide roller height range	10 – 38 mm, 3 positions	Weight		6.9 kg
Max surface temperature	150 °C			

Compatible with MXF wire feeder models equipped with one of the following control panels: SF52, SF53, SF52W, SF53W. Suitable also for use with MSF wire feeder models with a special extension cable KV200.

## Ordering information

MagTrac F61, FastMig KMS, SuperSnake, air-cooled	P08819	MagTrac F61, FastMig KMS, liquid-cooled	P08826
FastMig KMS 400 power source	6054000	FastMig KMS 400 power source	6054000
FastMig MXF 65 wire feeder	6152100	FastMig MXF 65	6152100
FastMig SF 53W control panel	6085300W	FastMig SF 53W	6085300W
PM 500 undercarriage	6185291	FastCool 10	6068100
MMT 42 C, 3 m	6254205	PM 500 undercarriage	6185291
MXF SYNC mounting kit	W004030	MT51MWC welding gun, 4,5 m	6255162
SuperSnake GT 025C, 15 m	61531501	KWF 70-5-WH interconnection cable	6260410
KWF 70-1.8-GH interconnection cable	6260401	Earth return cable, 50 mm <sup>2</sup> , 5 m	6184511
Earth return cable, 50 mm <sup>2</sup> , 5 m	6184511	MagTrac F61 welding carriage	6190610
MagTrac F61 welding carriage	6190610		
MagTrac F61, FastMig Pulse, air-cooled	P08822	MagTrac F61, FastMig Pulse, liquid-cooled	P08827
FastMig Pulse 450 power source	6150500	FastMig Pulse 450 power source	6150500
FastMig MXF 65 wire feeder	6152100	FastMig MXF 65 wire feeder	6152100
FastMig Pulse PF 65 control panel	6155100	FastMig Pulse PF 65 control panel	6155100
PM 500 undercarriage	6185291	FastCool 10 cooling unit	6068100
MMT 42 C welding gun, 3 m	6254205	PM 500 undercarriage	6185291
KWF 70-5-GH interconnection cable	6260405	MT51MWC welding gun, 4,5 m	6255162
Earth return cable, 50 mm <sup>2</sup> , 5 m	6184511	KWF 70-5-WH interconnection cable	6260410
MagTrac F61 welding carriage	6190610	Earth return cable, 50 mm <sup>2</sup> , 5 m	6184511
		MagTrac F61 welding carriage	6190610
MagTrac F61, FastMig KMS, air-cooled	P08818		
FastMig KMS 400 power source	6054000		
FastMig MXF 65 wire feeder	6152100		
FastMig SF 53W control panel	6085300W		
PM 500 undercarriage	6185291		
MMT 42 C welding gun, 3 m	6254205		
KWF 70-5-GH interconnection cable	6260405		
Earth return cable 50 mm <sup>2</sup> , 5 m	6184511		
MagTrac F61 welding carriage	6190610		

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