



# MagicCleaner

For Cleaning and Polishing CrNi



PERFECT WELDING



## WORKS LIKE MAGIC

### GENERAL POINTS

#### YOU NEVER KNEW CLEANING COULD BE THIS EASY

You know all about conventional cleaning methods. Either you grind your CrNi plate for as long as it takes to clean it, and simply put up with the resulting grinding marks and abraded surfaces. Or you pickle it with highly caustic chemicals, and have to obtain a toxic chemicals user permit first. Alternatively, you can forget about all these drawbacks - and use the MagicCleaner instead. The MagicCleaner cleans electrochemically and is clean, simple, fast and safe.

### UTILISATION

#### THE GO-ANYWHERE SPECIALIST

The MagicCleaner is so light that you can take it with you to any construction site and any workshop. In other words, wherever CrNi sheets and pipes need to be welded. Not only in the craft and trade field, but in industry too. Nevertheless, it has so many special cleaning features that there are many uses for it even in sensitive areas such as the food-processing, chemical and pharmaceutical industries. The MagicCleaner is also very popular in the fields of portal construction, for roof and staircase-railings, repair and maintenance work, kitchens for large-scale catering, stainless-steel cutlery manufacture and swimming pools.

### CLEANING PROCESS

#### CLEANED, POLISHED AND PRINTED

Voilà! One machine, several functions.

Number 1: The MagicCleaner cleans all TIG weld seams neatly and quickly. With processor-controlled current curves. The important thing here is that after being "Magic-Cleaned", the surfaces look just like the base metal. Both in their outward appearance and in their texture.

Number 2: The integral burnishing function makes it possible to polish the surfaces to a lustrous finish after they have been cleaned.

Number 3: What is more, your MagicCleaner can now

print, too! Thanks to the new Magic Print function that lets you print graphics and company logos directly onto the metal parts. Also electrochemically.



### HANDLING

#### COMPACT, AUTOMATED DESIGN

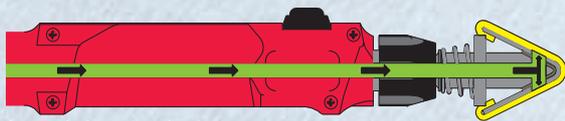
Times change, and the MagicCleaner with them – with some great extra features. The cleaning stylus comes with integral electrolyte feed. There are two possible modes here: The liquid is fed either manually, by pushing a button, or automatically, in which case the electrolyte flow rate is exactly controlled and 'fine tuned' to suit the application in question. Another handy feature is the accessories compartment, for convenient storage of all the utensils you need on the job:

- Protective goggles
- Gloves
- Water spray bottle
- Spare cleaning cloths





While on the subject of cleaning cloths - the service life of this special fabric has been lengthened, making the cleaning process even more efficient. Turning to the triangle, this makes quick work of cleaning fillet, butt and corner welds and lap joints.



Integral electrolyte feed

In fact, everything about the MagicCleaner is extremely user-friendly: It's easy to use, the controls are in protected positions, the unit itself only weighs 3.5 kg, and comes with a carrying strap and integral cable holder. Be honest - what more could you ask for?



Cleaning-current dial

Program switch for  
Cleaning "manual"  
Cleaning "automatic"  
Polishing / burnishing  
Printing

Dial for electrolyte  
dispensing rate

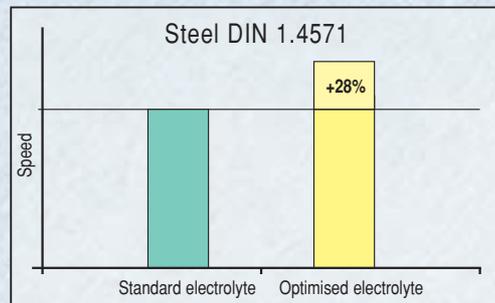


## ECONOMY

### 'ECONOMICAL' IS THE MAGIC WORD

Many others could learn a thing or two from the MagicCleaner. For a start, its optimised cleaning process has boosted its cleaning speed by another 28 %!

It's also very sparing when it comes to electrolyte consumption. How? By always dispensing only as much fluid as is needed at any given time. And not a drop more.

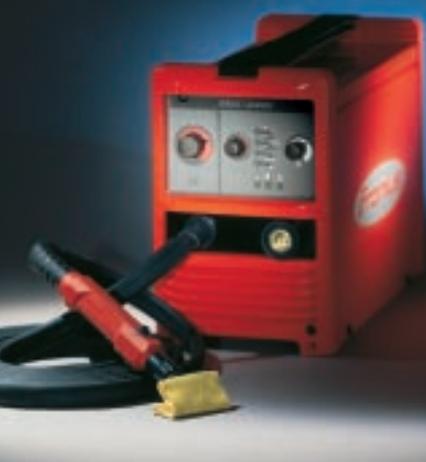


## SAFETY

### LESS RISK, MORE FUN

We take it that you're quite happy to do without risk in your daily work. With the MagicCleaner, you're definitely on the safe side. For example, a corrosion test to DIN 50 921 is now included. This improves the corrosion resistance as against the base metal, and does away with the need for subsequent passivating. Apart from this, we've equipped the machine with automatic short-circuit recognition for you, and with a processor-controlled protective cut-out feature. If the cleaning cloth gets too worn out, no damage can be done to either the work-piece or the triangle. And then there's the relatively safe cleaning fluid, for which you won't need a toxic chemicals user permit. So go ahead and have some good "clean" fun on the job!





*MagicCleaner Stand alone*

## CHECKLIST

Continuously adjustable cleaning current 5 - 20 A  
 Adjustable electrolyte flow rate 0.55 – 2.20 l/h  
 Adjustable current curves AC/DC-  
 Display of operating mode  
 Fault indicator  
 Short-circuit recognition and cut-out

## OPTIONS

### Mobile extractor

If the ventilation is not sufficient, Fronius offers an effective extractor unit with an active-carbon filter, for easy retrofitting.

## TECHNICAL DATA

MagicCleaner	Stand alone
Mains voltage	230V 50/60 Hz
Rated power	300 W
Cleaning-current range	5 - 20 A
Open-circuit voltage	15 V
Operating voltage	5 -15 V
Throughput	0.55 - 2.2 l/h
Cleaning time	2.2 l/h / 40 min 0.55 l/h / 160 min
Cleaning-fluid capacity	1.5 l
Protection class	IP 23
Dimensions l/w/h	430/180/280 mm
Weight	5 kg

## ARTICLE NUMBERS

4,075,092	MagicCleaner "Stand alone"
4,075,092,361	MagicCleaner "Stand alone" 100-110/230 V
4,045,818	Cleaning stylus with hosepack
42,0411,8014	Cleaning cloth
44,0450,1019	Cleaning electrode "Triangle"
42,0411,8015	Electrolyte red "Cleaning" 1 liter
42,0411,8016	Electrolyte red "Cleaning" 5 liter
42,0411,8017	Electrolyte red "Cleaning" 10 liter
42,0411,8018	Electrolyte blue "Polishing" 1 liter
42,0411,8019	Electrolyte blue "Polishing" 5 liter
42,0411,8020	Electrolyte blue "Polishing" 10 liter
4,100,212	Printset-1 MagicCleaner



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