## The MicorMIG & MicorMIG Pulse series

Industry 4.0 Ready with Lorch Connect

# SETTING THE NEW STANDARD.



True Lorch.



www.lorch.com.au | www.lorch4-0.com.au



#### The MicorMIG & MicorMIG Pulse series at a glance

ard. SMAW) es for both



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MicorMIG, the next generation, setting the new standard. One of the most technologically advanced MIG-MAG(GMAW) and FCAW systems on the planet with Speed Processes for both solid and flux cored wires. Additionally, Industry 4.0 connectivity and big data management now with Lorch Connect.

Cutting edge, resonance inverter technology with digital control, advanced high-speed welding processes designed to drive productivity combined with leading Near Field Communication (NFC) technology; the most effective way of managing shop floor welding quality.

Reliable, robust, simple to operate yet highly engineered examples of German quality and performance. At a superior price/performance point where switching to a modern, highly efficient welding system is simple, easy and makes good commercial sense.

MicorMIG a future proof platform, a simply better all-rounder for every application . . .

- Industry 4.0 Connectivity via a Lorch Connect Gateway
  to a cloud server unleashing a host of new digital
  management tools to optimize your welding processes,
  driving productivity, costing accuracy, quality
  and production efficiency.
- Leading performance thanks to MicorBoost.

  Like a turbo charger, MicorBoost technology stores and delivers extra power and voltage to deliver exceptional welding performance. Six micro-controllers monitoring 1.5 million times per second deliver a very smooth and stable welding characteristic across the entire operating range.
- **Upgradability**. A "Future Proof" platform. Never before has it been this easy to upgrade a welding machine to the ever-increasing challenges posed by today's industrial demands. It is now a breeze to upload welding processes, welding programs and functions with near field communication (NFC) technology.
- **Versatility**. Lorch's MicorMIG sets the new standard with its exceptional MIG-MAG welding performance, MicorMIG is also capable of Stick with VRD, Lift TIG and Arc Gouging processes.
- **Dynamic control**. Select the arc characteristic you prefer. Depending on the operating panel you have selected, you can opt for dynamic levels that change the welding arc from "soft" to "hard".
- **Synergic 1-knob control**. MicorMIG versions BasicPlus and ControlPro offer a large number of South Pacific optimised welding programs for various material, wire and gas combinations.
- **Ready for Speed**. Upgrade to the advanced wave form control processes to increase welding speeds and drive productivity with optional Lorch SpeedArc and SpeedUp processes.
- **Job management**. The ControlPro display with Tiptronic function makes it a snap to store welding procedures and retrieve and transfer them to other machines as necessary.
- **PushPull**. When combining the system with a PushPull torch or Lorch's NanoFeeder, you will expand your working radius up to 50 metres.

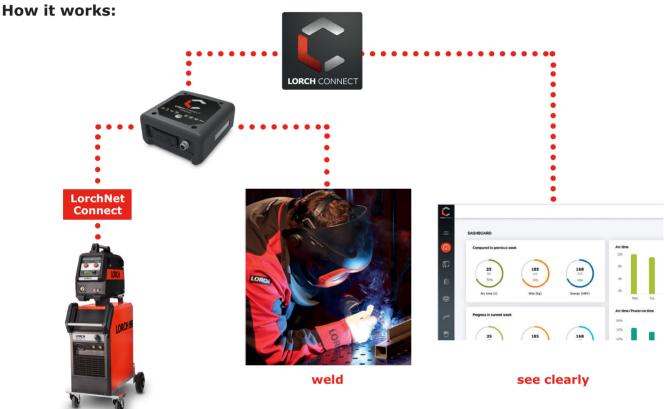


#### **LORCH Connect -**

#### Industry 4.0 - Digital Connectivity & Big Data Management

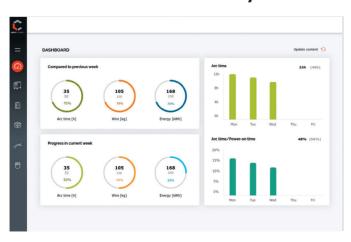
Everyone talks about Industry 4.0 and digitisation. Production becoming smarter. Processes monitored, documented and visualised in real time. The reason is simple: Embedded in this data is untapped potential for process optimisation to drive cost and efficiency improvements. Lorch is now taking the next step to connect our already digitalised welding systems in a simple and cost-effective way and create an immediate user benefit.

Lorch Connect – your easy – and risk-free – entry into a future Industry 4.0 digitally connected world of welding!

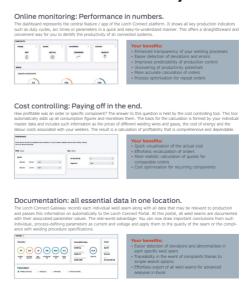


# The simple high-level summary dashboard of all connected systems.

connect



# The drill down capability into detailed individual system data.





Conventional transformer and basic inverter systems will stay the way they were designed and manufactured. Their expandability and functional scope are limited by their hardware. Not so with the MicorMIG. When you opt for this system, you will remain perfectly flexible thanks to the upgradabilty and modular design of its fully digital control inverter technology and feedback control systems. The level of flexibility lets you enjoy both customised solutions that are tailored to accomplish your company's welding tasks and the assurance that you will keep benefiting from any future advances in technology. It has never been easier to adjust a welding system to the constantly

changing requirements in the welding industry using NFC technology and to add on welding processes such as pulsed arc welding (BasicPlus and greater), welding programs and features that will streamline your workflows. It is even possible to upgrade and retrofit the operating panels of the MicorMIG series. The purchase of a MicorMIG system translates to progress. Both at the time of purchase and the time thereafter. You add the functionality you need precisely when you need it. The MicorMIG allows you to be and remain on the safe side and to look forward to what the future holds in store.

#### 3 steps to achieve weld perfection



#### **Versions**

|                          |   | MicorMIG 300        | MicorMIG 350                           | MicorMIG 400          | MicorMIG 500           |
|--------------------------|---|---------------------|--|-----------------------|------------------------|
| Welding range            | Α | 25 - 300            | 25 - 350                               | 30 - 400              | 30 - 500               |
| Voltage adjustment       |   | infinitely variable | infinitely variable                    | infinitely variable   | infinitely variable    |
| Mains connection 3~400 V |   | •                   | •                                      | •                     | •                      |
| Operating concepts       |   |                     |  |                       |                        |
| Basic                    |   | •                   | •                                      | •                     | •                      |
| BasicPlus                |   | •                   | •                                      | •                     | •                      |
| ControlPro               |   | •                   | •                                      | •                     | •                      |
| Cooling variants         |   |                     |  |                       |                        |
| Gas                      |   | •                   | •                                      | •                     | •                      |
| Water                    |   | •                   | •                                      | •                     | •                      |
| Machine variants         |   |                     |  |                       |                        |
| Compact system           |   | •                   | •                                      | •                     | •                      |
| Wire feeder system       |   | •                   | •                                      | •                     | •                      |
|                          |   |                     | <ul><li>Configuration option</li></ul> | ns • Standard equipme | ent O Optionally avail |

#### **Operating concepts**



#### **Basic**

- "3 steps to weld" operating concept
- Infinitely adjustable welding current setting
- Digital volt-ampere display
- Activation of end crater filling as necessary
- 3-stage arc dynamic control



#### **BasicPlus**

- "3 steps to weld" operating concept
- Infinitely adjustable welding current setting
- Digital volt-ampere display
- Activation of end crater filling as necessary
- 7-stage arc dynamic control
- Automatic setting control (synergy control)
- Welding program selection in the feed compartment
- Upgradability



#### **ControlPro**

- "3 steps to weld" operating concept
- Infinitely adjustable welding current setting
- Digital volt-ampere display
- High-luminosity graphic display (OLED) for display of the 3rd main parameter
- Activation of end crater filling as necessary
- 21-stage arc dynamic control
- Automatic setting control (synergy control)
- Welding program selection in the feed compartment
- Tiptronic job memory for 100 welding tasks
- Upgradability

#### Advanced high speed process capability

#### SpeedUp - Vertical-up welding has never been so easy or fast

Up to now, vertical up welding required a tremendous amount of experience, skill and a steady hand to weld in the conventional 'Christmas tree' style. The SpeedUp option on the MicorMIG series of machines turns vertical up welding into just that - a simple, straight up weld, with no weaving required.





A sample of the ingeniously simple SpeedUp.

#### SpeedArc turns welding into a streamlined process

The SpeedArc developed by Lorch delivers an enormous energy density and, consequently, generates a greater arc pressure that flows into the weld pool. The result is impressive as it speeds up MIG-MAG welding tremendously. But, speed is not the only factor that takes productivity to unprecedented levels. There is also the fact that components which had to be welded in several passes before, can now - due to the Lorch SpeedArc - be joined in one single pass, up to 15mm thick. This is productivity





SpeedArc

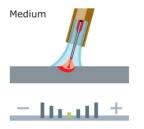
MIG MAG

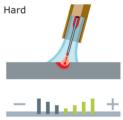
that pays off; this is value added welding. Better yet, the highly concentrated, stable arc of the SpeedArc can also be used with long stick out for welding into narrow joints.

#### Multi-stage dynamic control

The MicorMIG allows you to individually adjust the dynamics of the arc to suit the work and welding position at hand and will find the simplest and fastest arc setting which is most suitable for each specific case. The rest of the job is carried out by the intelligent

Soft





arc control technology incorporated into the MicorMIG series. All essential parameters are controlled automatically in the background.

#### **End crater filling**

Step-controlled systems commonly create a sink mark at the end of the weld seam, the so-called end crater. The MicorMIG provides you with an easy and reliable solution to the problem of maintaining the same quality along the entire weld seam especially at the end. The operating panel offers a quick and easy way to enable the quality feature "crater filling". Instead of being terminated abruptly, the welding current is reduced in a well-controlled manner. The MicorMIG allows you to achieve a seam appearance that will leave nothing to be desired.



Without crater filling



With crater filling - perfect end of weld seam.

#### Clever details for improved everyday welding



**Quick-change system** 

Even the easily accessible wire feeder of the MicorMIG reflects attention to the tiniest detail. The perfectly matched change system makes changing the sturdy and durable Lorch feed rolls a cinch. No need for even a single screw.



Synergic pre-selection - where it should be

MicorMIG versions BasicPlus and greater offer a large number of welding programs for various material, wire and gas combinations. Depending on the design of your machine, you can set the programs at the wire reel in the wire feed compartment of the compact system or the wire feeder case.



**Colour-coded feed rolls** 

Never pick up the wrong rolls again. Lorch's colour-coded feed rolls of the MicorMIG series represent different wire diameters and make every welder's life much easier.



Top tier electrode welding

A MIG-MAG system that can also handle electrodes. Simply remove the torch, connect the additional electrode holder to the electrode socket, and select electrode welding on the operating panel.

#### **Heavy-duty undercarriages**

Wherever the manufacturing process calls for crane transport of heavy components or the machine itself to the workstation, a robust and dependable welding system is of paramount importance. The long-lasting industrial housing of the Lorch MicorMIG and its optional heavy-duty undercarriages were designed specifically for applications of this nature.

The outcome is a system that delivers perfect dependability even under the most trying conditions. Customise your Lorch heavy-duty undercarriage and tailor it to your heavy-duty needs. Even when required to handle inter-connection hose packages with a length of 20m, the Lorch heavy-duty undercarriage plus MicorMIG and the optional large inter-connection hose package holder remains perfectly tilt-proof and stable.



## **Specifications**

|                                      |      | MicorMIG 300    | MicorMIG 350    | MicorMIG 400    | MicorMIG 500    |
|--------------------------------------|------|-----------------|-----------------|-----------------|-----------------|
| Welding current MIG-MAG              | Α    | 25-300          | 25 - 350        | 30 - 400        | 30 - 500        |
| Current at 100% duty cycle           | Α    | 200             | 250             | 300             | 370             |
| Current at 60% duty cycle            | Α    | 250             | 300             | 370             | 430             |
| Duty cycle I max.                    | %    | 45              | 45              | 45              | 45              |
| Mains voltage                        | V    | 3~400           | 3~400           | 3~400           | 3~400           |
| Permitted mains tolerance            | %    | ±15             | ±15             | ±15             | ±15             |
| Mains fuse, delayed action           | Α    | 32              | 32              | 32              | 32              |
| Dimensions compact system (LxWxH)    | mm   | 880 x 400 x 755 | 880 x 490 x 855 | 880 x 490 x 855 | 880 x 490 x 855 |
| Dimensions wire feeder system (LxWxH | ) mm | 880 x 490 x 890 | 880 x 490 x 955 | 880 x 490 x 955 | 880 x 490 x 955 |
| Weight - compact system, gas cooled  | kg   | 58              | 58              | 61              | 66              |
| Weight - wire feeder                 | kg   | 10.6            | 10.6            | 10.6            | 10.6            |
| Weight - water cooling (filled)      | kg   | 13.0            | 13.0            | 13.0            | 13.0            |

## Equipment

|  | MicorMIG               |
|--|------------------------|
| Welding process                            |                        |
| Standard synergy MIG-M<br>welding programs | AG ●                   |
| Pulse Steel                                | О                      |
| Pulse Multi-Material                       | 0                      |
| SpeedArc                                   | O                      |
| SpeedUp                                    | 0                      |
| Electrode Plus                             | Ο                      |
| TIG (with ContacTIG)                       | O                      |
| • Standard equipment                       | O Optionally available |

# The full-protection wire feeder MF-08

#### Robust and exceptionally stable.

The MF-08 provides every welder with exactly the wire feeder case he can expect – and much more. Made of high-performance plastic, the housing of this fully protected feeder case offers one thing first and foremost apart from stability and robustness: Safety.

In contrast to conventional cases made of metal, the MF-08 is fully insulated and, thus, uniquely capable of handling applications that rank among the trickiest and most challenging from a technical standpoint. The MF-08 – a genuine safety advantage for every business.



#### At a glance

- Exceptional flexibility. For extended range and a maximum of comfort and mobility.
- **Stable**. The wire feeder case is solidly mounted on the power source and can be swivelled.
- Extremely robust and protected against falls. Even if experiencing a fall from a height of 60cm.
- **Illuminated wire feeder compartment**. This makes changing the wire a breeze even in poor light conditions.
- A genuine lightweight in its class. Only 10.6kg net weight.
- A perfect grip. Several convenient handle options.
- Suitable for use in manholes. Can be handed in and out of manholes with no effort at all.
- **Versatile**. Fixture for hanging it from a boom or position it overhead.

#### **Technical data**

|                                    |              | MF-08  |
|------------------------------------|--------------|--|
| Feeder speed                       | m/min        | 2.0 - 25.0   |
| Drive / feeder                     |              | 4 roll / tacho-regulated motor / digital speed feedback      |
| Suitable for use in manholes       | cm           | > 42*  |
| Fully insulated                    |              | •  |
| Flowmeter gas                      |              | O  |
| Dimensions (L x W x H)             | mm           | 575 x 245 x 434 (380")                                       |
| Weight (net)                       | kg           | 10.6   |
| * Oval manhole with handle removed | " Height wit | h handle removed • Standard equipment • Optionally available |

#### Surprisingly simple - and accessible from both sides

One important aspect as to how well a compact wire feeder case with manhole suitability will fare during everyday use is the ease with which you can insert the wire reel. The slightly slanted wire reel and side covers that swing open and lock into place allow for easy access to the compartment, especially in the top portion of the unit. As an added benefit, the other side of the feeder case can be opened as well. The electronic system and the motor are protected and covered in such a way that you are afforded convenient access to all connections of the hose package.

The locking mechanism and the strain relief device of the inter-connection hose package can be replaced by the welder themselves or, if necessary, be transported separately from the case. Better still, this step is completely straightforward and safe and does not require any contact with the sensitive area.





#### **Equipped to handle all types of applications**

Optionally available:



Heavy-duty undercarriage kit



Protection cage with tube frame



Heat protection skids



Boom suspension

## Whether upright or horizontal - easy to control in every position

Every range of application poses its own challenges. Sometimes you wish for a horizontal case while some tasks require a vertical case.

MF-08 offers you both options: it can be used upright or in a vertical position. This is thanks to the sturdy and distinctive support feet found on the side. If you need the case to be permanently horizontal you can have the operating panel built in rotated by 90°. You will always carry the fully protected case with ease in the upright position. This is what we call flexibility or plain "convenience".



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### The MicorMIG Pulse series at a glance

• **Pulse arc.** All the features of the MicorMIG plus the addition of a Pulse Arc transfer with the MicorMIG Pulse range.

 Minimum rework. Easy to set up and robust, next to no spatter. This cuts down the need for extensive post weld rework.

#### **Equipment**

|   | MicorMIG               |
|---|------------------------|
| Welding process                         |                        |
| Standard synergy MIG-M welding programs | AG<br>•                |
| Pulse Steel                             | •                      |
| Pulse Multi-Material                    | 0                      |
| SpeedArc                                | 0                      |
| SpeedUp                                 | 0                      |
| Electrode Plus                          | 0                      |
| TIG (with ContacTIG)                    | 0                      |
| • Standard equipment                    | O Optionally available |



#### **Versions**

|                          |   | MicorMIG 300        | MicorMIG 350                           | MicorMIG 400          | MicorMIG 500           |  |
|--------------------------|---|---------------------|--|-----------------------|------------------------|--|
| Welding range            | Α | 25 - 300            | 25 - 350                               | 30 - 400              | 30 - 500               |  |
| Voltage adjustment       |   | infinitely variable | infinitely variable                    | infinitely variable   | infinitely variable    |  |
| Mains connection 3~400 V |   | •                   | •                                      | •                     | •                      |  |
| Mains connection 3~400 V |   | О                   | О                                      | О                     | 0                      |  |
| Operating concepts       |   |                     |  |                       |                        |  |
| BasicPlus                |   | •                   | •                                      | •                     | •                      |  |
| ControlPro               |   | •                   | •                                      | •                     | •                      |  |
| Cooling variants         |   |                     |  |                       |                        |  |
| Gas                      |   | •                   | •                                      | •                     | •                      |  |
| Water                    |   | •                   | •                                      | •                     | •                      |  |
| Machine variants         |   |                     |  |                       |                        |  |
| Compact system           |   | •                   | •                                      | •                     | •                      |  |
| Wire feeder system       |   | •                   | •                                      | •                     | •                      |  |
|                          |   |                     | <ul><li>Configuration option</li></ul> | ns • Standard equipme | ent O Optionally avail |  |

#### Weld with next to no spatter - steel, stainless steel or aluminium

All in a day's work of every welder: Welding in the transition arc range routinely results in ungainly weld appearance including plenty of spatter. The poor outcome, in turn, requires rework that costs both time and money. Until now, the sole solution to this problem involved frequent wire changes or the use of special gases.

**Smart solution by Lorch**: No matter if you weld steel, stainless steel or aluminium. Tried and tested in the real world, the MicorMIG Pulse arc combined with quick-action control technology delivers welding performance with next to no spatter – even in the transition arc range, saving you a great amount of tedious rework.



#### Flawless seam appearance – even on aluminium and stainless steel

All in a day's work of every welder: The quality of the sidewall fusion and of the seams welded on aluminium and stainless steel in the short arc range almost never conform to in-house standards. The consequence: Substandard quality along with time-consuming and costly rework.

**Smart solution by Lorch**: A spatter-free weld seam, smooth seam transitions and improved sidewall fusion. From now on, you will master this challenge with ease as well thanks to the MicorMIG Pulse arc and exceptional ease of use.



#### Reduced temper colours on stainless steel welds

All in a day's work of every welder: A great many welders striving for root coverage of the greatest possible accuracy during welding on stainless steel resort to a current intensity level that is much higher than actually necessary. The consequence are temper colours on stainless steel welds.

**Smart solution by Lorch**: Introducing a lower amount of energy into the workpiece, the MicorMIG Pulse arc reliably prevents any unnecessary temper colours. The MicorMIG Pulse arc, furthermore, reduces time-consuming and cost-intensive rework such as for the removal of temper colours to a minimum. To top it all off, the process delivers all that plus clean root coverage.



Stainless steel

#### **Operating concepts**



#### **BasicPlus**

- "3 steps to weld" operating concept
- Infinitely adjustable welding current setting
- Digital volt-ampere display
- Activation of end crater filling as necessary
- 7-stage arc dynamic control
- Automatic setting control (synergy control)
- Welding program selection in the feed compartment
- Upgradability



#### **ControlPro**

- "3 steps to weld" operating concept
- Infinitely adjustable welding current setting
- Digital volt-ampere display
- High-luminosity graphic display (OLED) for display of the 3rd main parameter
- Activation of end crater filling as necessary
- 21-stage arc dynamic control
- Automatic setting control (synergy control)
- Welding program selection in the feed compartment
- Tiptronic job memory for 100 welding tasks
- Upgradability

#### **Technical data**

|                                      |      | MicorMIG 300    | MicorMIG 350    | MicorMIG 400    | MicorMIG 500    |
|--------------------------------------|------|-----------------|-----------------|-----------------|-----------------|
| Welding current MIG-MAG              | Α    | 25-300          | 25 – 350        | 30 - 400        | 30 - 500        |
| Current at 100% duty cycle           | Α    | 200             | 250             | 300             | 370             |
| Current at 60% duty cycle            | Α    | 250             | 300             | 370             | 430             |
| Duty cycle I max.                    | %    | 45              | 45              | 45              | 45              |
| Mains voltage                        | V    | 3~400           | 3~400           | 3~400           | 3~400           |
| Permitted mains tolerance            | %    | ±15             | ±15             | ±15             | ±15             |
| Mains fuse, delayed action           | Α    | 32              | 32              | 32              | 32              |
| Dimensions compact system (LxWxH)    | mm   | 880 x 400 x 755 | 880 x 490 x 855 | 880 x 490 x 855 | 880 x 490 x 855 |
| Dimensions wire feeder system (LxWxH | H)mm | 880 x 490 x 890 | 880 x 490 x 955 | 880 x 490 x 955 | 880 x 490 x 955 |
| Weight - compact system, gas cooled  | kg   | 58              | 58              | 61              | 66              |
| Weight - wire feeder                 | kg   | 10.6            | 10.6            | 10.6            | 10.6            |
| Weight - water cooling (filled)      | kg   | 13.0            | 13.0            | 13.0            | 13.0            |

#### The NanoFeeder

The wire feeder unit of the MIG-MAG welding power source is combined with other, separate wire-feed systems for the push-pull principle. The NanoFeeder takes over the role of an intermediate drive. It is a full wire feeder - but in a revolutionary Nano format. The Lorch welding power source takes over the matching of the wire feed systems automatically, using the optional, digital Push-Pull controller. In this way the complex and

- range up to a maximum of 50m
- · available as gas or water cooled
- various hose package lengths
- compact and sturdy construction
- also suitable for use with Powermaster torches

#### How far would you like to go - with your MIG-MAG torch?

also costly, additional external controller is completely unnecessary.



| Technical data       |    | NanoFeeder       | NanoFeeder         |
|----------------------|----|------------------|--------------------|
| Cooling              |    | Water            | Gas                |
| Load CO2   mixed gas | Α  | 500              | 400                |
| Duty cycle           | %  | 60               | 60                 |
| Wire Ø               | mm | 0.8-1.6 (Al 1.2) | 0.8 - 1.6 (Al 1.2) |
| Hose package lengths | m  | 10 15 20 25      | 10 15 20 25        |

#### The MIG-MAG gun series at a glance

- Full line of MIG Gun options, air or water cooled up to 550A.
- "Binzel" style front end consumables.
- Standard operation or Smart, Powermaster control.
- Heavy duty construction, which includes bolted, impact-resistant handle recesses, a hard-wearing torch push button and an elastic rubber cable support at the ball joint, provides for a long service life of the torch.
- Ergonomically shaped handle recess provides for first-rate handling and balance in any position. The soft-grip insert guarantees operating comfort at the highest level to ensure that you will not tire when welding for extended periods.
- Using the Tiptronic function, you simply save the optimum welding parameters to job memory then retrieve as needed with the Powermaster control gun.

#### **Standard Guns**

- Heavy duty construction
- Ergonomic shape
- · Air & Water cooled
- Up to 5 metre length

# The same of the sa

#### **Smart Powermaster Guns**

- Heavy duty construction
- Ergonomic shape
- Smart remote control
- Air & Water cooled
- Up to 5 metre length



#### **Push Pull Standard & Smart**

- · Heavy duty construction
- Ergonomic shape
- Standard & Smart remote control
- Air & Water cooled
- Up to 8 metre length



| Versions   |                        | ML 1500  | ML 2500  | ML 2400  | ML 360  | 00 ML 3800 | ML 4500        |
|--|------------------------|----------|----------|----------|---------|------------|----------------|
| Welding range up to  | Α                      | 180      | 230      | 250      | 300     | 320        | 370            |
| Operating concepts   |                        |          |          |          |         |            |                |
| Standard   |                        | •        | •        | •        | •       | •          | •              |
| Powermaster  |                        | •        | -        | •        | •       | •          | •              |
| Cooling  |                        |          |          |          |         |            |                |
| Gas  |                        | •        | •        | •        | •       | •          | •              |
|  |                        | ML 5300  | ML 5400  | ML 5500  | ML 590  | 00 ML 7300 | ML 7500        |
| Welding range up to  | Α                      | 300      | 400      | 500      | 550     | 300        | 500            |
| Interchangeable torch neck rol<br>360°, allowing for a quick and<br>exchange without tools | ates<br>easy           | -        | -        | -        | -       | •          | •              |
| Operating concepts   |                        |          |          |          |         |            |                |
| Standard   |                        | •        | •        | •        | •       | _          | -              |
| Powermaster  |                        | •        | -        | •        | •       | •          | •              |
| Cooling  |                        |          |          |          |         |            |                |
| Water  |                        | •        | •        | •        | •       | •          | •              |
|  |                        |          |          |          |         | •          | Standard equip |
| Technical data   |                        | ML 1500  | ML 2500  | ML 2400  | ML 360  | 00 ML 3800 | ML 4500        |
| Type of cooling  |                        | Gas      | Gas      | Gas      | Gas     | Gas        | Gas            |
| Load CO2   mixed gas   | А                      | 180 150  | 230 200  | 250 220  | 300 270 | 320 270    | 370 300        |
| Duty cycle   | %                      | 60       | 60       | 60       | 60      | 60         | 60             |
| Wire Ø   | mm                     | 0.6-1.0  | 0.8-1.2  | 0.8-1.2  | 08-1.2  | 0.8-1.6    | 1.0-1.6        |
| Handle recesses  |                        | 1 2 (PM) | 1        | 1 2 (PM) | 1 2 (PM | 1 2 (PM)   | 1 2 (PM)       |
| Hose package lengths   | m                      | 3 4      | 3 4 5    | 3 4 5    | 3 4 5   | 3 4 5      | 3 4            |
|  |                        | ML 5300  | ML 5400  | ML 5500  | ML 590  | 00 ML 7300 | ML 7500        |
| Type of cooling  |                        | Water    | Water    | Water    | Water   | Water      | Water          |
| Load CO2   mixed gas   | Α                      | 300 270  | 400 350  | 500 450  | 550 50  | 0 300 270  | 500 450        |
| Duty cycle   | %                      | 100      | 100      | 100      | 100     | 100        | 100            |
| Wire Ø   | mm                     | 0.8-1.2  | 0.8-1.2  | 0.8-1.6  | 08-2.4  | 0.8-1.2    | 0.8-1.6        |
| Handle recesses  |                        | 1 2 (PM) | 1 2 (PM) | 1 2 (PM) | 2       | WH         | WH             |
| Hose package lengths   | m                      | 3 4 5    | 3 4 5    | 3 4 5    | 3 4 5   | 4          | 4              |
|  |                        |          |          |          |         | •          | Standard equip |
|  |                        | LMG 300  | LMG 360  | 0 LMW    | 400     | LMW 450    | LMW 5400       |
| Type of cooling  |                        | Gas      | Gas      | Water    |         | Water      | Water          |
| Cooling system   |                        | -        | -        | Single   |         | Double     | Double         |
| Load CO2   mixed gas   | Α                      | 300 250  | 310 260  | 400 3    | 50      | 450 360    | 500 450        |
| Duty cycle   | %                      | 100      | 60       | 100      |         | 60         | 100            |
| Wire Ø   | mm                     | 0.8-1.2  | 0.8-1.2  | 0.8-1.   | 6       | 08-1.6     | 0.8-1.6        |
| Version  |                        |          |          |          |         |            |                |
| Powermaster  |                        | •/ •     | •/O      | •/0      |         | •/0        | •/O            |
| Gun handle   |                        | • *      | •        | •*       |         | •*         | •              |
| Standard motor   |                        | -        | •        | -        |         | _          | •              |
| Maxon motor  |                        | •        | -        | •        |         | •          | •              |
| Hose nackage lengths   | lose package lengths m |          | 8**      | 8**      |         | 8**        | 8**            |

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