



Merkle WCM.

The mobile welding and cutting carriage!

NEW!
**MOBILE
POWER**



LONGITUDINAL WELDING AND CUTTING IN MOBILE FORM!

The fully automated cutting and welding of longitudinal seams in many industries today is a prerequisite for efficient production processes. However, often work pieces are processed in locations where stationary welding and cutting technology is not feasible, and the investment in fully automated systems is unrealistic due to lack of production numbers and therefore slow investment return times .

Merkle has addressed this industry deficiency with the mobile welding and cutting carriage WCM, allowing the efficient automatic processing of long H-profile beams, plates, longitudinal seams or overlaps.

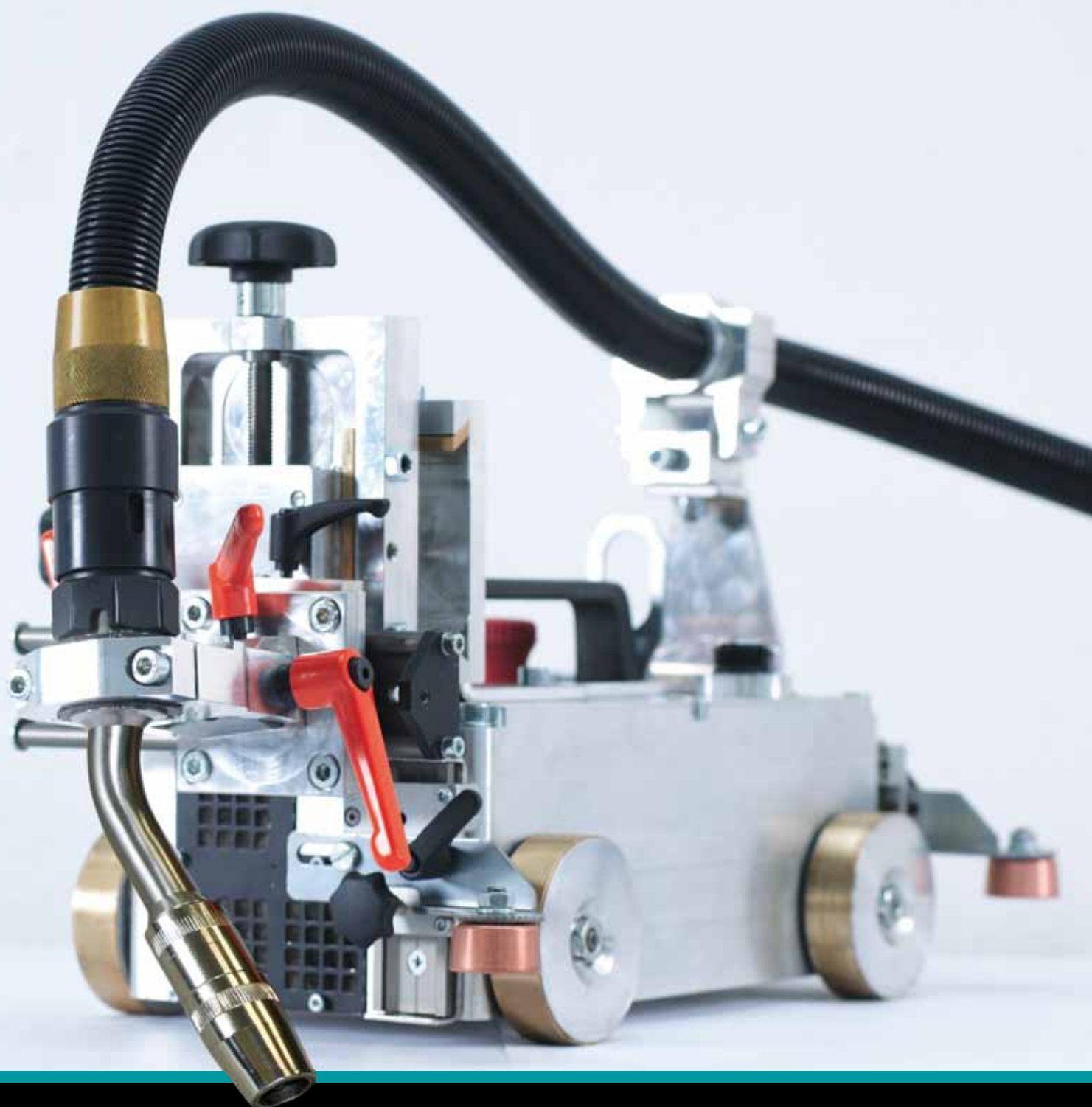
The mobile WCM is, due to the comparatively low investment costs, ideally suited for small series production, and thanks to its compact dimensions perfectly suitable for components upwards of 1 m in length.

The flexible and robust carriage is used for MIG/MAG and TIG and is also ideal for cutting work, such as plasma or oxy-acetylene. The Merkle WCM can be equipped with the appropriate torches, depending on the type of welding or cutting jobs being performed.

The carriage is equipped with 4 magnetic wheels and 2 lateral guide rollers. This ensures that it remains exactly in the predetermined track. The speed is infinitely adjustable. Due to the motor being equipped with a tachogenerator, constant speed is ensured even under changing loads. The robust aluminium housing is machined from billet and highly durable for rough use on site or in workshops.

Maximum flexibility is provided by coarse and fine adjustments in the torch mount x- and y-axis. The torch position is laterally and vertically adjustable and tilt-able to always ensure an optimal welding position.





Technical details:

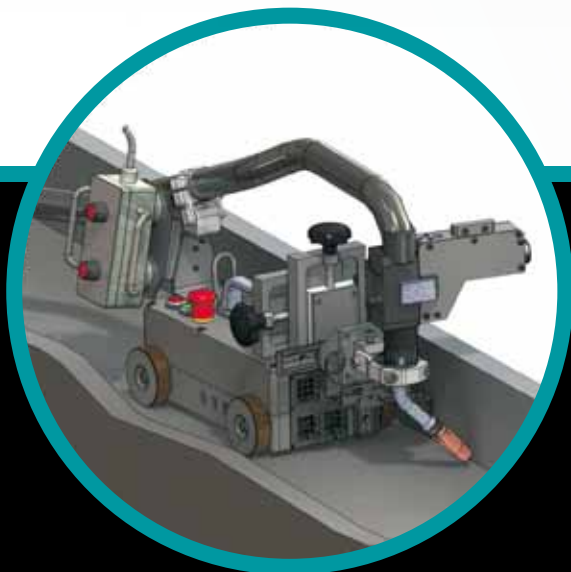
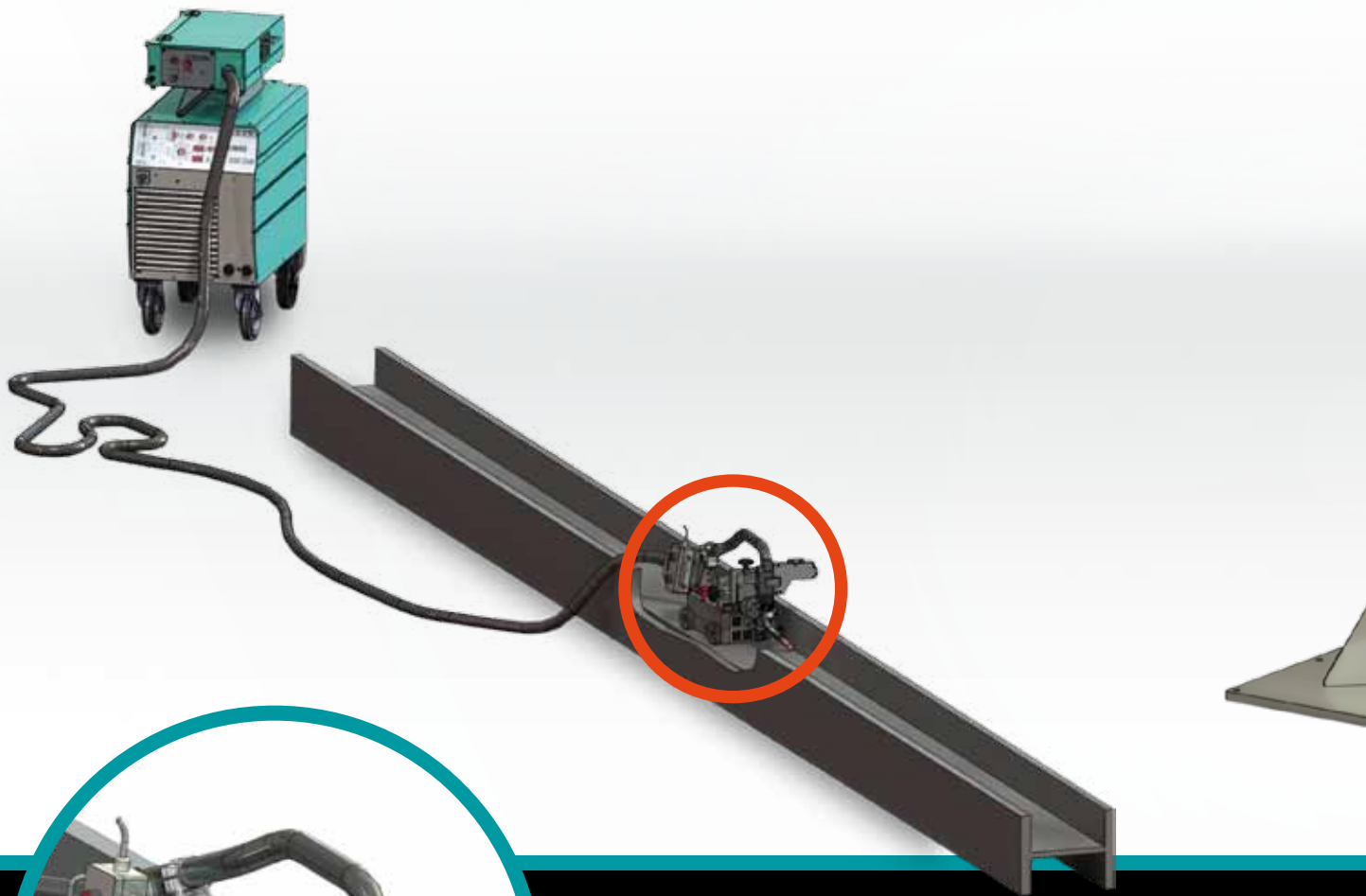
Voltage:	42 V/AC, 50/60 Hz
Permanent/maximum current:	1.0 A/5.9 A
Cooling:	AF
Switch:	forward/reverse
Travel speed:	15-800 cm/min, stepless regulation
Buttons:	start, stop, emergency stop
Weight, dimensions L x W x H:	18.9 kg, approx. 610 x 280 x 325 mm
Drive torque:	50 N
Torch positioning:	vertical: 40 mm horizontal: 120 mm
Drive system:	heat resistant rollers (quad drive) with magnetic attracting system
Plug (10 pin):	for voltage supply and the signals for welding on, arc OK, emergency stop

Product advantages:

- Robust aluminium chassis, milled from solid billet
- Chassis with 4 magnetic heat resistant wheels and 2 lateral guiding rollers
- Precise control over tacho generator
- Stepless speed adjustment: 15-800 cm/min
- Maximum flexibility due to numerous adjustment options in all operating axis
- Perfect for components starting from 1 m in length

Merkle WCM:

The welding and cutting carriage with two alternative operating modes!



Mobile operation with push-pull torch:

For mobile operation with push-pull torches, hose packages of up to 12 m, and thus longitudinal seams of over 20 m in length are possible.



Energy supply from stationary power source:

The welding wire feeder system is carried on a pivoted support beam, and enables the welding or cutting of longitudinal seams up to 6 m in length.

Merkle WCM:

Perfect technology down to the smallest detail!

The new WCM mobile welding and cutting carriage from Merkle impresses with its sophisticated design, construction and functional details enabling an optimum handling in all welding and cutting operations.

In all industries where extended components with longitudinal seams of more than 1 m have to be welded or cut, the new WCM from Merkle offers a real alternative solution to the mobile automation of these processes.

Areas of application:

- Container and silo construction
- General and heavy steel construction
- Vehicle construction
- Ship building
- Plate construction



Solid aluminium housing, milled from solid billet.



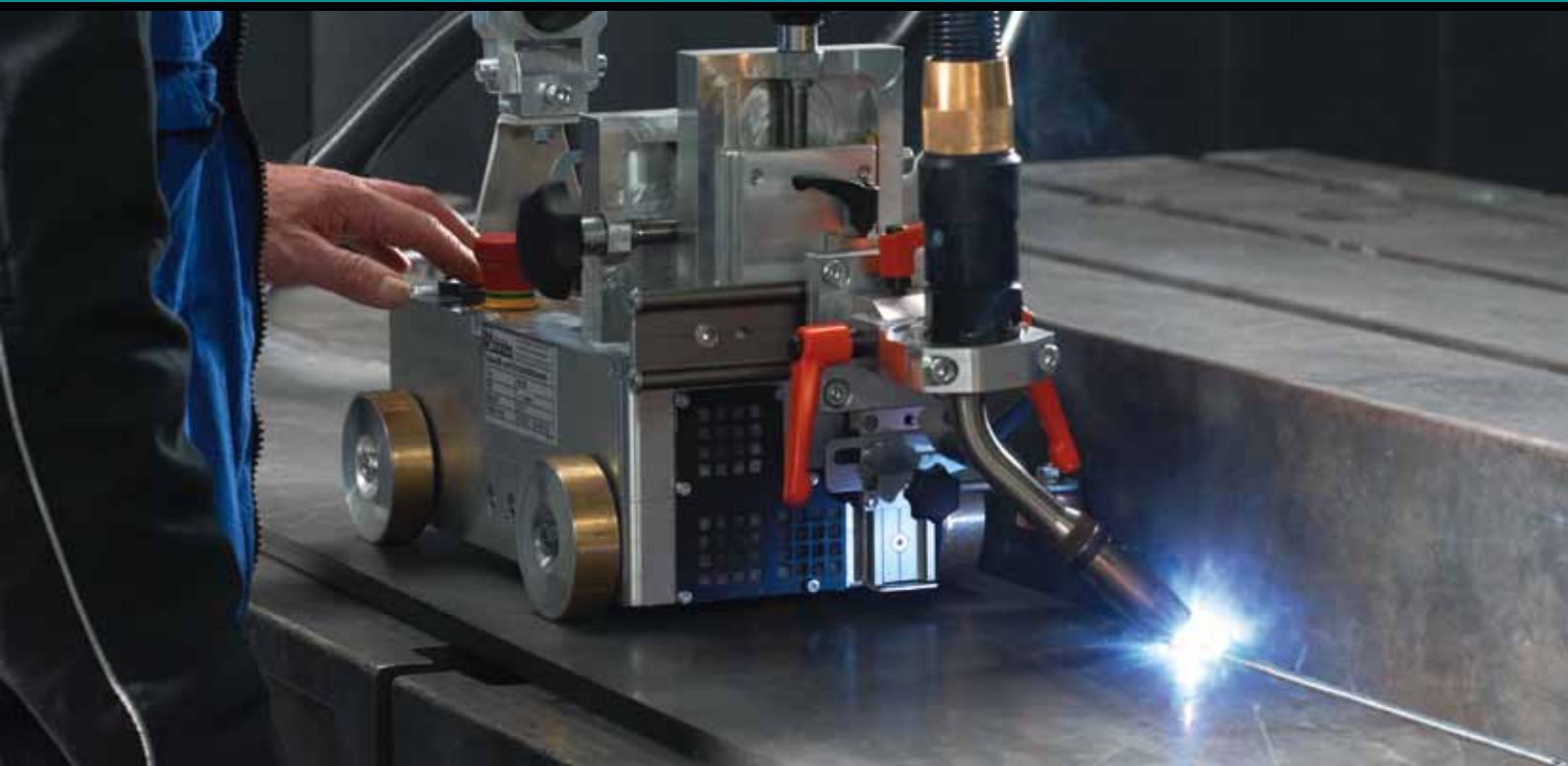
Welding and cutting in the forward and reverse directions is possible.



Chassis with 4 magnetic wheels, for perfectly straight tracking.



Two lateral guide rollers for optimum positioning.



Precise speed adjustment via multi-ratio potentiometer.



Constant drive speed accuracy through tacho generator controlled motor.



Mounting possibility for various torches and heads



Maximum flexibility with numerous adjustment options on the torch holder.



Create a successful future.

With Merkle, your specialist for welding units, welding machines, torches and intelligent automation systems. With our own subsidiaries and Merkle Dealers in Germany, Europe and the rest of the world.

Welcome to the Merkle World of Welding.

- MIG/MAG Welding Units
- Synergic Pulse Welding Units
- TIG Welding Units
- MMA / Stick Electrode Welding Units
- Plasma Welding and Cutting Units
- Turntables and Roller Drive Units
- Welding and Cutting Torches
- Automation Components and Solutions
- Merkle Robotics

www.merkle.de