



CMI™ 300 PULSE
ADVANCED YET SIMPLE

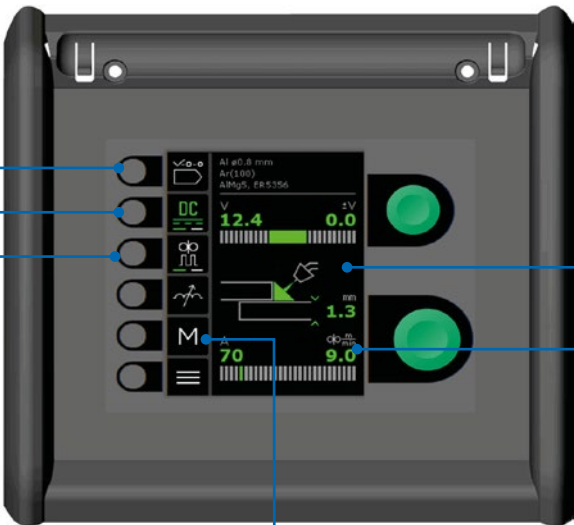
CMI™ 300 PULSE

ADVANCED YET SIMPLE

The Car-O-Liner **CMI™300 Pulse** is the ideal welder for professional workshops repairing today's cars.

It is designed to meet carmakers' standards for joining processes in thin high-tensile steel, aluminum and stainless steel.

READY FOR AUTO BUSINESS



SELECT PROGRAM
Program Selector guides you to the correct weld program based on the wire and shielding gas.

SELECT PROCESS
Choose between welding or brazing, with or without pulse.

ACTIVATE FUNCTION
Choose alternate welding operations like double pulse, tack welding, and step (weld/pause time in sequences).

MEMORY FUNCTION
Save up to five favorite settings for easy recall.

INFORMATION
Easy to read display provides all of the weld information at a glance, including graphics that show the effect changes will have on the weld.

PRIMARY SETTING DISPLAY
Simple one dial adjustment sets the welder, while all three synergistic parameters are displayed for easy reference.

COMPACT AND FULLY DIGITAL WELDING MACHINE

EASY SWITCH-OVER WITH DUO OR TRIO

The **CMI™300 Pulse** is available in three versions: SINGLE, DUO and TRIO. The DUO version has room for two 11" spools and the TRIO version for three 8" spools of wires, providing easy switch-over between operations without change of torch, wire, wire drive rolls and gas. The machine automatically detects which torch/wire feed unit is active.

MIG BRAZING

In addition to sheet metal welding, the **CMI™300 Pulse** features MIG brazing with and without pulse of galvanized steel plates. MIG Brazing requires less heat, reducing distortion of thin plates, protecting heat sensitive advanced high strength steels, and maintaining the corrosion resistance. The result is time saving, cost-effective, joining process required by multiple manufacturers.

OUR WELDING EXPERTISE

FOCUSED ON YOUR RESULTS

DESIGNED FOR THE AUTOMOTIVE INDUSTRY, THE CMI300 IS IDEAL FOR TODAY'S ADVANCED MATERIALS AND JOINING PROCESSES.

CMI™300 PULSE WITH 36 PRE-SET PROGRAMS

The programs meet the requirements for welding and brazing, for example for high-tensile steel and aluminium used by the automotive industry.

DOUBLE PULSE FOR WELDING AND BRAZING

CMI™300 Pulse features double pulse – a function required by several OEMs that further controls the heat in the weld and provide a TIG-like appearance. Double pulse settings are fully adjustable.

BOOST FOR VERSATILE SUPPLY VOLTAGE

The **CMI™300 Pulse** is available with built-in Boost Converter (electronic auto transformer) for welding on single and three-phase mains voltages from 208V to 440V (50/60 Hz).

IGC® — FOR OPTIMAL SHIELDING OF WELD POOL

IGC (Intelligent Gas Control)* ensures optimal shielding of the weld pool and maintains the strength in the joint. The result is large-scale gas savings, better arc ignition, and a minimum of weld spatter.

MIG-A TWIST®

The ergonomic **MIG-A Twist** torch has a turnable swan neck that allows you to access hard-to-reach places.

MIG-A Twist is available in different lengths. The optional remote unit allows the technician to adjust the settings right from the torch as they weld.

FEATURES AND BENEFITS

- **DOUBLE PULSE** ensures precise control of the arc and minimises weld spatter
- **FOUR-ROLL WIRE SYSTEM** for stable wire feeding
- **TACHOMETER CONTROL** of wire motor for ultra precise feeding
- **LED LIGHT** in the wire console for easy change of wire and wire rolls in low-light environment
- **SOFT-KEY CONTROL PANEL** with colour display and an intuitive icon-based menu
- **ARC ADJUST** function for precision adjustment between soft and hard arc
- **EASY OPERATION** for inexperienced welders but fully adjustable for advanced technicians
- **SOFTWARE UPDATE** via SD card
- **LOG FOR STORAGE** and display of welding data on an SD card, applicable for documentation of compliance with repair procedures*



*Available as optional feature

PRODUCT INFORMATION

AND TECHNICAL DATA

TECHNICAL DATA

SPECIFICATION	CMI300 PULSE SINGLE	CMI300 PULSE DUO	CMI300 PULSE TRIO
Current range, A	15 - 300	15 - 300	15 - 300
Mains voltage +/- 15%, (50-60Hz) V	3x230 1x230	3x230 1x230	3x230 1x230
Circuit protection, A	30	30	30
Duty cycle 100% /40°, A / V	200 / 100 / 24.0	200 / 100 / 24.0	200 / 100 / 24.0
Duty cycle 100% /40°, A / V	230 / 60 / 25.5	230 / 60 / 25.5	230 / 60 / 25.5
Duty cycle max. /40°, A / % / V	300 / 20 / 29.0	300 / 20 / 29.0	300 / 20 / 29.0
Duty cycle 100% /20°, A / V	250 / 100 / 26.5	250 / 100 / 26.5	250 / 100 / 26.5
Duty cycle max. /20°, A / % / V	300 / 60 / 29.0	300 / 60 / 29.0	300 / 60 / 29.0
Open circle voltage, V	50-60	50-60	50-60
Protection class (for outdoor use)	IP 23S	IP 23S	IP 23S
Norm	IEC60974-1. IEC60974-5. IEC60974-10 Cl. A		
Dimensions (H x W X L)	838x443x1003mm (32.99x17.44x39.48in)	1104x597x1003mm (32.99x17.44x39.48in)	1104x597x1003mm (32.99x17.44x39.48in)
Weight	49kg (108.02lb)	63kg (138.89lb)	67kg (147.71lb)

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CAR-O-LINER®

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