

**CAR-O-LINER®**

**CMIT™300 PULSE**  
**ADVANCED YET SIMPLE**

CMIT 300

CAR-O

# CMI™ 300 PULSE

ADVANCED YET SIMPLE

The Car-O-Liner's **CMI300 Pulse** is the welding machine for repairing cars and building up car bodies in professional workshops.

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

## READY FOR AUTO BUSINESS

### SELECT PROGRAM

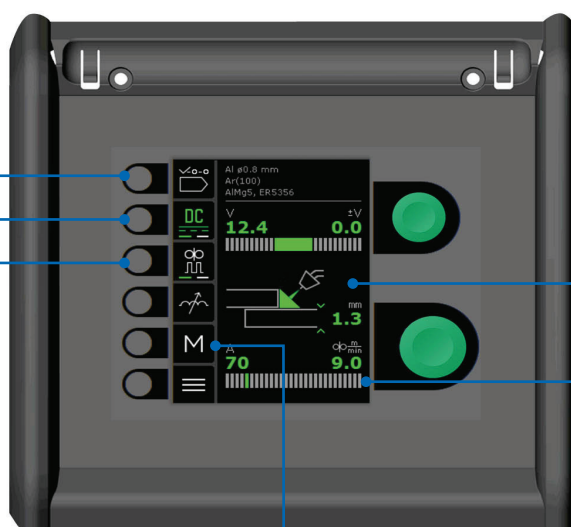
Enter type of wire and gas; the program selector will find the right program.

### SUPPLEMENTARY INFORMATION

See description of the chosen job/program.

### SELECT PROCESS

Choose between welding or brazing, with or without pulse.



### ACTIVATE FUNCTION

Choose between tack welding, step (weld/pause time in sequences) or double pulse.

### MEMORY FUNCTION

Save up to five favourite settings by the push of a button.

### CURRENT DISPLAY

Short arc, globular transfer arc and spray arc.

## 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 15 kg wire coils and the TRIO version for three 5 kg wire coils, providing easy switch-over between operations without change of hose, wire, wire drive rolls and gas. The machine will automatically establish 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 galvanised steel plates.

This function ensures maintenance of the materials in terms of corrosion and strength and reduces post-treatment of distortion of plates and profiles to a minimum. The result is cost-effective and efficient welding.



# OUR WELDING EXPERTISE

FOCUSED ON YOUR RESULTS

**PERFECT FOR JOINING SHEET METALS AND BUILDING UP CAR BODIES.**

## CMI™300 PULSE BRINGS 36 PRE-SET PROGRAMS

The programs meet the requirements for welding and brazing for example high-tensile steel and aluminium, which are used by the auto business.

## DOUBLE PULSE FOR WELDING AND BRAZING

**CMI™300 Pulse** features double pulse – a function required by several OEMs.

## BOOST FOR ALL MAINS MAINS VOLTAGES

The **CMI™300 Pulse** is available with built-in Boost Converter (electronic auto transformer) for welding on all mono- phase 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 in the best way possible. The result is large-scale gas savings and a minimum of weld spatter.

## MIG-A TWIST®

The ergonomic **MIG-A Twist®** torch has a turnable swan neck for easy access to hard-to-reach locations.

**MIG-A Twist®** is available in different lengths and with different swan necks. It is configurable with different control units for adjustment of welding current at the torch handle. The control unit is easy to exchange as required without the use of tools.

## FEATURES AND BENEFITS

- Double pulse ensures precise control of the arc and minimises weld spatter
- Four-roll wire system for stable wire feeding
- Tacho 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 intuitive icon-based menu
- Arc adjust function for precision adjustment between soft and hard arc
- 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

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**ALL OUR WELDING  
EXPERTISE FOCUSED  
ON YOUR RESULTS**

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# 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 $\pm 15\%$ , (50-60Hz) V	3x400	3x400	3x400
Minimum generator size, kVA	16	16	16
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)

# WE CARE ABOUT BODY SHOPS

EXCELLENCE. INNOVATION. PASSION.

## CAR-O-LINER ACADEMY

We are a competence development partner for the automotive industry, our main objective is to improve quality, safety and profitability for body shops.

### THE TRAINING YOU NEED



RIGHT  
PERSON



RIGHT  
TIME



RIGHT  
COURSE



RIGHT  
COMPLEXITY

We enhance our customer's abilities by identifying the real competence and development needed. Offering solutions to meet these needs and accelerate the business growth.

### WE OFFER THE SOLUTION



WE IMPLEMENT THE  
TRAINING



WE FIX THE ROOT OF  
THE PROBLEMS



WE MEASURE  
RESULTS

## CUSTOMER SUPPORT

The Car-O-Liner Group headquarters is located in Gothenburg, Sweden, with subsidiaries located in Norway, Germany, France, United Kingdom, Italy, China, India, United States, Thailand and Middle East.

Wherever you are, Car-O-Liner can provide customer with product information, training, support or data subscription/renewal.

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Rely on our professional service teams in over 70 countries to define which Car-O-Liner product suits you best.  
Please visit our website: [www.car-o-liner.com](http://www.car-o-liner.com)

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