

**CAR-O-LINER®**

**CMI™ 300 PULSE**  
**ADVANCED YET SIMPLE**

GMI 300

CAR-O

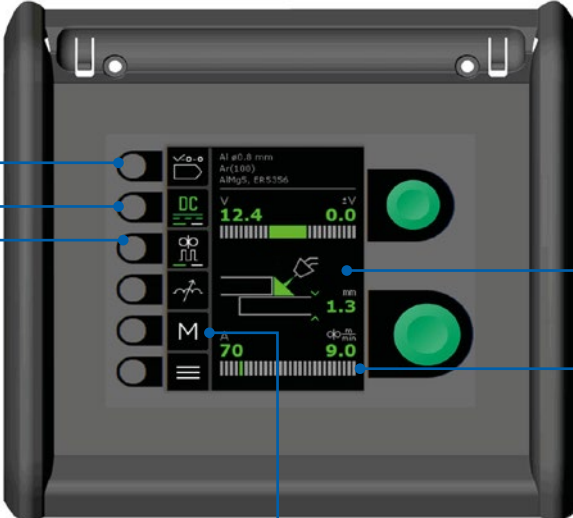
# CMI™ 300 PULSE

ADVANCED YET SIMPLE

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

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

## READY FOR AUTO BUSINESS



The image shows the front panel of the CMI300 Pulse welding machine. It features a central digital display with various indicators and two large green buttons on the right. On the left side, there are several control buttons and a rotary selector. Blue lines connect these controls to descriptive text boxes.

**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 with the push of a button.

**CURRENT DISPLAY**  
Choose arc type: short, globular transfer or spray arc.

## COMPACT AND FULLY DIGITAL WELDING MACHINE

### EASY SWITCH-OVER WITH DUO OR TRIO

The **CMI300 Pulse** is available in three versions: SINGLE, DUO and TRIO. The DUO version has room for two 15kg wire coils and the TRIO version for three 5kg 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 **CMI300 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 to a minimum post-treatment of distortion of plates and profiles. 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.

## CMI300 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

**CMI300 Pulse** features double pulse – a function required by several OEMs.

## BOOST FOR ALL MAINS VOLTAGES

The **CMI300 Pulse** is available with a 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 an 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\*



Shown with optional Overhead Torch Holder

\*Available as optional feature

“

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

”

# PRODUCT INFORMATION

## AND TECHNICAL DATA

### TECHNICAL DATA

SPECIFICATION	CMI300 PULSE SINGLE // DUO // TRIO Art. No. 49573 // 49574 // 49575		CMI300 BOOST SINGLE // DUO // TRIO Art. No. 49485 // 49484 // 49483			
			15-200		15-300	
Current range, A	15 - 300		15-200		15-300	
Mains voltage +/- 15%, (50-60Hz) V	3x400					
Mains voltage +/- 10%, (50-60Hz) V			380-440	208-380	380-440	208-380
Phases			1	1	3	3
Fuse, A	10/16		10/16/20	20	10/16/20	20
Minimum generator size, kVA	16		10	9	16	16
Duty cycle 100% /40°, A / V	200 / 100 / 24.0		200 / 100 / 24.0			
Duty cycle 100% /40°, A / V	230 / 60 / 25.5		230 / 60 / 25.5			
Duty cycle max. /40°, A / % / V	300 / 20 / 29.0		300 / 20 / 29.0			
Duty cycle 100% /20°, A / V	250 / 100 / 26.5		250 / 100 / 26.5			
Duty cycle max. /20°, A / % / V	300 / 60 / 29.0		300 / 60 / 29.0			
Open circle voltage, V	50-60		50-60			
Protection class (for outdoor use)	IP 23S		IP 23S			
Norm	IEC60974-1. IEC60974-5. IEC60974-10 Cl. A		IEC60974-1. IEC60974-5. IEC60974-10 Cl. A			
Dimensions (H x W X L)	838x443x1003mm (33x17.5x39.5in) 1104x597x1003 (43.5x23.5x39.5) 1104x597x1003 (43.5x23.5x39.5)		1104x597x1003mm (33x17.5x39.5in) 104x597x1003 (43.5x23.5x39.5) 1104x597x1003 (43.5x23.5x39.5)			
Weight	49 // 63 // 67kg (108 // 139 // 148lb)		52 // 66 // 70kg (115 // 145.5 // 154lb)			

### STANDARD COMPONENTS

#### CMI300 PULSE SINGLE 3 × 400V

ML240, Twist R, 3m, 1.2 ALU nozzle

Art. No. 49573

#### CMI300 DUO PULSE 3 × 400V

ML150 Twist 3m (0.8 Fe) + ML 240 Twist 3m, 1.2 ALU nozzle

Art. No. 49574

#### CMI300 TRIO PULSE 3 × 400V

ML 150 Twist 3m (0.8 Fe) + 2 x ML240 Twist, 3m, 1.2 Alu + 1.0 Cu nozzle

Art. No. 49575

#### OVERHEAD TORCH HOLDER

For Duo and Trio models.

Art. No. 49503

# 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.

#### CHINA:

+86 10 6789 2123  
info@car-o-liner.cn

#### FRANCE:

+33 1 69 52 7750  
france@car-o-liner.net

#### GERMANY:

+49 (0) 6073 74487-0  
info.germany@car-o-liner.se

#### INDIA:

+91 844 757 0029  
info.india@car-o-liner.se

#### ITALY:

+39 059 468 310  
info.carolineritalia@car-o-liner.se

#### MIDDLE EAST/AFRICA:

+971 6 566 8702  
info@caroliner.ae

#### NORWAY:

+47 3343 0270  
info@car-o-liner.no

#### SWEDEN:

+46 31 721 1050  
info@car-o-liner.se

#### THAILAND:

+66 2 026 32 55  
info.apac@car-o-liner.se

#### UNITED KINGDOM:

+44 1788 574 157  
info@car-o-liner.co.uk

#### UNITED STATES:

1-800 521 9696  
info@car-o-liner.com

## FIND A DISTRIBUTOR NEAR YOU

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)

**CAR-O-LINER®**

49467W CMI300 PULSE 2020-09 BROCHURE-WEB EN



**CAR-O-LINER®**

[www.car-o-liner.com](http://www.car-o-liner.com)



Car-O-Liner® (2020) is a trademark of Snap-on Incorporated. All rights reserved.

Product images are for illustrative purposes only and may differ from the actual product. Car-O-Liner reserves the right to modify any content without prior notice.