

CAR-O-LINER®

CMI™

FOR ALL WELDING SITUATIONS

CMI™ & CMI™ TWIN

FOR ALL WELDING SITUATIONS

WITH ONE TORCH, THE CMI™ WELDERS OFFER QUICK AND EASY WELDING THROUGH A FULLY DIGITAL INTERFACE. WITH TWO TORCHES, THE CMI™ TWIN WELDERS OFFER EASY SWITCH-OVER BETWEEN WELDING AND BRAZING.



MULTIFACETED

TECHNOLOGY WITH BUILT-IN ADVANTAGES

The **CMI™** welders have auto-pulse technology for advanced pulse welding of aluminum and are designed for all materials and individual welding applications, including high strength steel. The exceptional 4-wheel wire feed system provides a smooth, reliable wire feed even on softer wires such as aluminum or with MIG brazing.

The **CMI™** welders are designed for today's vehicles and meet the increasing demands for joining the new materials used in them. With two torches, the **CMI™ Twin** models offer easy switch-over between welding and brazing operations without having to change hoses, wires, wire drive rolls or gas.

THE FULLY DIGITAL REVOLUTION

PULSE TWIN & BOOST

Quick move from one welding mode to another

LONG POWER CABLE

8m (314,96in)

EASY MOVEMENT

Form a point to another



ACHIEVE BEYOND

With the 4m (157,48in) torch cable

EXTEND REACHING

MIG-A Twist torch

ROBUST & VERSATILE

FOR ADVANCED WELDING

AUTOMATED FUNCTIONS

Whether doing simple MIG/MAG or complex welding operations, the machine's preset welding programs and automated functions, easily handle the entire welding process through the fully digital control panel. The easy-to-use controls provide all key information at a glance. The technician sets the thickness and the machine adjusts all other parameters.

4-WHEEL WIRE FEED

The exceptional 4-wheel wire feed system provides a smooth, reliable wire feed even on softer wires such as aluminum, and during MIG brazing.

EXTEND YOUR REACH

All versions of the **CMI™** welder come with the **MIG-A TWIST®** torch. The 360° rotating swan neck of the **MIG-A TWIST®** allows access to hard-to-reach places. It is possible to mount different modules on top of the torch for adjustment of the most important welding parameters. Save time by conveniently adjusting the welder using the remote control on the torch and add efficiency to your welding operation.

EASY UPDATE

SD card gives you access to future program updates.



FEATURES AND BENEFITS

- Protects heat-sensitive metals with auto-pulse technology
- Save time by conveniently adjusting the welder using the remote control on the torch and add efficiency to your welding operation.
- Conveniently adjust the weld setting right from the torch
- Reliably feeds soft wires such as aluminum, with a precise 4-wheel wire feed system
- Efficient switch between key materials with the twin wire feed system on **CMI™ Twin** just a click away
- Preset settings for different material applications
- Adjust welding right from torch
- Auto-pulse technology
- Energy saving standby function (15-30W idling) gives less CO₂ emission & long component life
- Compact design & low weight make it user friendly, flexible and mobile



THE **CMI™** WELDERS ARE EQUIPPED WITH A **MIG-A TWIST®** TORCH. THIS SWIVEL DEVICE ALLOWS YOU TO ACCESS HARD-TO-REACH PLACES.

CMI™ 273 PULSE TWIN

ACHIEVING TOMORROW



ROBUST FOR ADVANCED WELDING

AUTO PULSE WITH DOUBLE PULSE FUNCTION

CMI™ welders are available with an auto pulse control panel. This control panel features double pulse, an advanced pulse operation which utilizes two pulse levels. The machine's smart design ensures that as the levels are pulsed, the wire feed speed and pulse frequencies are also adjusted. The result is a cooler, TIG-like weld and better control of the arc with a minimum of weld spatter ensuring preservation of strength and surface of the plates and profile tubes.

PRECISION THROUGH AUTOMATION

With two torches, the **CMI™ 273 Twin** offers easy switch-over between welding and brazing operations without having to change hoses, wires, wire drive rolls or gas. You get quick and easy welding through a fully digital interface. The **CMI™ 273 Pulse Twin** also offers synergic preset welding programs and automated functions.

MIG BRAZING

The **CMI™** & **CMI™ Twin** are equipped with an electronic boost converter (auto transformer) for welding and brazing of galvanized steel plates. This function ensures maintenance of the material in terms of corrosion and strength and reduces post-treatment of distortion of plates and profile tubes to a minimum. The result is cost-effective and efficient welding.

FEATURES AND BENEFITS

- Better weld pool control, especially with positional welding
- Smaller heat-affect zones (HAZ) limiting reduction in strength
- Minimal loss of zinc coating while brazing
- Better adaptation to variations in gap width

**“ THE FULLY DIGITAL
SWITCH ON, PRES**

AL REVOLUTION!
SS AND WELD



PRODUCT INFORMATION

AND TECHNICAL DATA

STANDARD COMPONENTS

STANDARD COMPONENTS

CMI183 3 X 400V

PART NO. 46444

ITEM	DESCRIPTION
Gun and hose	ML150 Twist R 4m 0.8 nozzle
Wire leads	Steel 0.8 - 1.0 Blue
Wire feeder	V - 0.8

CMI183 TWIN 3 X 400V

PART NO. 46445

ITEM	DESCRIPTION
Gun and hose	ML240 Twist R 4m 0.8 nozzle ML240 Twist R 4m 1.0 ALU nozzle
Wire leads	Steel 0.8 - 1.0 Blue Teflon 1.2 - 1.6
Wire feeder	V - 0.8 U - 1.0

CMI223 3 x 400V

PART NO. 43799

ITEM	DESCRIPTION
Gun and hose	ML150 Twist R 4m 0.8 nozzle
Wire leads	Steel 0.8 - 1.0 Blue
Wire feeder	V - 0.8

CMI223 TWIN 3 x 400V

PART NO. 43800

ITEM	DESCRIPTION
Gun and hose	ML240 Twist R 4m 0.8 nozzle ML240 Twist R 4m 1.0 ALU nozzle
Wire leads	Steel 0.8 - 1.0 Blue Teflon 1.2 - 1.6
Wire feeder	V - 0.8 U - 1.0

CMI273 3 X 400V

PART NO. 46446

ITEM	DESCRIPTION
Gun and hose	ML240 Twist R 4m 0.8 nozzle
Wire leads	Steel 0.8 - 1.0 Blue
Wire feeder	V - 0.8

CMI273 TWIN 3 X 400V

PART NO. 46445

ITEM	DESCRIPTION
Gun and hose	ML240 Twist R 4m 0.8 nozzle ML240 Twist R 3m 1.0 ALU nozzle
Wire leads	Steel 0.8 - 1.0 Blue Teflon 1.2 - 1.6
Wire feeder	V - 0.8 U - 1.0

CMI273 PULSE 3 X 400V

PART NO. 46448

ITEM	DESCRIPTION
Gun and hose	ML240 Twist R 4m 1.0 ALU nozzle
Wire leads	Teflon 1.2 - 1.6
Wire feeder	U - 1.2

CMI273 PULSE TWIN 3 X 400

PART NO. 46450

ITEM	DESCRIPTION
Gun and hose	ML150 Twist R 4m 0.8 nozzle ML240 Twist R 4m 1.0 ALU nozzle
Wire leads	Steel 0.8 - 1.0 Blue Teflon 0.8 - 1.0
Wire feeder	V - 0.8 U - 1.0

OPTIONAL ACCESSORIES

WIRE FEED KIT 0,6

PART NO. 44746

ALUMINUM WIRE

ITEM	PART. NO.
AlMg 5 1.0mm 2kg (4.4lb)	35178
AlMg 5 1.0mm 6kg (13.2lb)	34344

GALVANIZED WIRE

ITEM	PART. NO.
SG1 0.8mm 5kg (11.0lb)	34345
SG1 0.8mm 15kg (33.0lb)	34346

MIG-BRAZING WIRE PSA

CuAl 8 1.0mm 5kg (11.0lb)

PART NO. 34049

MIG-BRAZING WIRE GM

ITEM	PART. NO.
CuSi 3 1.0mm 5kg (11.0lb)	34202
Gas regulator 30L	34203
Adapter for 5kg (11.0lb) reel	33509

TECHNICAL DATA

CMI183 & CMI 183 TWIN

SPECIFICATION	PARAMETER
Input Voltage +/- 15%	3 x 400V
Fuse	10A
Duty Cycle 100% at 40°C	115/19.8
Duty Cycle 60% at 40°C	125/20.3
Duty Cycle 100% at 20°C	160
Duty Cycle 60% at 20°C	180

TECHNICAL DATA

CMI183 & CMI 183 Twin CONT.

SPECIFICATION	PARAMETER
Current Range, A	15 - 180A
Protection Class	IP23S
Norm	EN/IEC 60974-1/5/10
Dimensions (single)	66x38x79cm (25.9x14.9x31.1in)
Dimensions (twin/duo)	96x60x85cm (37.7x23.6x33.4in)
Weight (single)	26.2 kg (56 lbs)
Weight (twin/duo)	41.2 kg (90 lbs)

CMI223 & CMI223 TWIN

SPECIFICATION	PARAMETER
Input Voltage +/- 15%	3 x 400V
Fuse	10A
Duty Cycle 100% at 40°C	165/22.3
Duty Cycle 60% at 40°C	175/22.8
Duty Cycle 100% at 20°C	220
Duty Cycle 60% at 20°C	-
Current Range, A	5 - 230A
Protection Class	IP23S
Norm	EN/IEC 60974-1/5/10
Dimensions (single)	66x38x79cm (25.9x14.9x31.1in)
Dimensions (twin/duo)	96x60x85cm (37.7x23.6x33.4in)
Weight (single)	26.2 kg (56 lbs)
Weight (twin/duo)	41.2 kg (90 lbs)

CMI273 & CMI273 TWIN

SPECIFICATION	PARAMETER
Input Voltage +/- 15%	1 or 3 x 230V (200 - 440V)
Fuse	10A
Duty Cycle 100% at 40°C	175/22.8
Duty Cycle 60% at 40°C	205/24.3
Duty Cycle 100% at 20°C	230
Duty Cycle 60% at 20°C	245
Current Range, A	15 -270 A
Protection Class	IP23S
Norm	EN/IEC 60974-1/5/10
Dimensions (single)	55x25x64cm (21.6x9.8x25.1lb)
Dimensions (twin/duo)	96x57x87 (37.7x22.4x34.2lb)
Weight (single)	26kg (58lbs)
Weight (twin/duo)	55kg (124lbs)



ACADEMY PROVIDES TECHNICAL TRAINING PROGRAMS FOR COLLISION REPAIR TECHNICIANS, INSURANCE PERSONNEL AND TECHNICAL INSTRUCTORS IN ORDER TO INCREASE THEIR KNOWLEDGE, PRODUCTIVITY AND THE QUALITY OF REPAIRS THEY PERFORM FOR THE MOTOR VEHICLE INDUSTRY.

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 the Middle East.

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

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