

# MIG/MAG CMI161 & CM193

## Quality MIG/MAG Welders for the Automotive Industry



CMI161

The CMI161 is a handy, portable & versatile welding machine. It is designed as a compact multiprocess machine, primarily for MIG welding but also for the MMA welding process; a modern mono-phase 230V inverter machine suitable for workshop use and site welding operations.



CM193

### Technical Data

	CMI161	CM193
Input voltage	230V 50-60 Hz 1-ph	230V/400V 50-60 Hz 3-ph
Fuse	16A	10A
Current range	20-160A	20-180A
Open circuit voltage	90V	14-30V
Duty cycle 100%	(MIG 20°C) 135A	
60 %	145A	85A
40 %	160A	
35 %		110A
Voltage steps	Stepless, synergic	7
Wire dimensions	0,6-0,8 mm	0,6-0,8 mm
Wire reel dimension	5 kg	5-15 kg
Wire reel speed	Synergic	2-12 m/min
Dimensions L x W x H	45 x 23 x 37 cm	72 x 38 x 70 cm
Weight	13 kg	57 kg
Torch with remote control	ML150 Twist R 3m, 0,8 mm	ML150 Twist R 3m, 0,8 mm

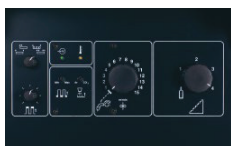
### MPS System für CM193:

Spot weld time	0,15-2,5 sec
Stitch time	0,15-2,5 sec
Burn back time	0,05-0,5 sec

### Functions

MPS (spot/stitch)	x
Tool tray with rubber mat	x
Remote control for the torch	x
Torch holder	x

## MIG/MAG Welders CMI161 &amp; CM193



MPS automatic spot and stitch welding



Torch holder



Protective rubber mat for tools



Remote control for the torch

Item			Article No.	Qty.
<b>CMI161</b>	<b>230V</b>	<b>1-ph 160A</b>	<b>46443</b>	
<b>CM193</b>	<b>230V/400V</b>	<b>3-ph 180A</b>	<b>33275</b>	
<b>CM193</b>	<b>400V</b>	<b>3-ph 180A</b>	<b>36828</b>	

#### Consisting of

Power Source		1
MPS automatic spot and stitch welding		
Feed rolls 0,8-1,0 mm steel wire		
Torch holder		1
Tool mat in rubber, on top of machine		1
<b>CM193</b>		
Torch with remote control ML150F		1
<b>CMI161</b>		
Torch with remote control PL250F		1

#### Accessories

ALU-kit for CM	33495	1
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#### Consisting of:

Feed roll ALU 1,0 mm		1
Teflon wire guide liner 1,0 mm		1
Contact tip 1,0 mm		1
Gas Nozzel		1

#### To CMI161 & CM193

Hose package with remote PL150F 3 m 0,8 mm	33070	1
Hose package with remote PL250F 3 m 0,8 mm	33072	1
Hose package with remote PL250F 3 m 1,0 mm ALU	33073	1
Gas regulator 15 l	34203	1

#### Aluminum wire

AlMg 5 1,0 mm 2 kg	35178	1
AlMg 5 1,0 mm 6 kg	34344	

#### Galvanized wire

SG1 0,8 mm 5 kg	34345	1
SG1 0,8 mm 15 kg	34346	1
Adapter for 5 kg	33509	1
Feed rolls 0,6-0,8 mm steel wire	35262	1

#### Torch

Wire guide liner steel for 0,8-1,2 mm wire	33128	1
Wire guide liner teflon for 1,0 -1,6 mm ALU wire	33129	1
Cone-shaped welding gas nozzle PL150	33126	1
Cone-shaped welding gas nozzle PL250	33127	1
Locking spring for gas nozzle	39736	1
Contact tip Ø 1,2 × 28 mm M6 ECU	33131	1
Contact tip 1,0 × 28 mm M6 ECU	35260	1
Contact tip 0,8 × 28 mm M6 ECU	33130	1
Contact tip 0,6 × 28 mm M6 ECU	33258	1