CTR® 7
SOLID, FLEXIBLE & INNOVATIVE
THE CTR® 7 USES ELECTRICITY ONLY TO CREATE THE WELDS. THE WELD IS CREATED WHEN HIGH CURRENT IS TRANSFERRED THROUGH THE METALS, THE RESISTANCE IN THE METALS HEATS IT UP AND FUSES THE METALS TOGETHER IN A NUGGET.
Car-O-Liner continues its quest to create the very best products for vehicle collision repair. CTR® 7 resistance spot welder, the new generation welding machine, provides quality spot welds with all the new high-strength steels using cutting edge inverter technology. A wide range of accessories and sophisticated software with semi-automatic control features guarantee perfect welding results. CTR® 7 also contains the latest technological platform that is ready for the future.

**TELESCOPIC SUPPORT ARM**
An aluminum, telescopic support arm for adjustable height.

**TRANSFORMER GUN**
The CTR® 7 C-Tong has a built-in pneumatic feature that presses the welding tips together automatically when triggered.

**COLOR DISPLAY**
The sharp, easy-to-read, 7” color screen makes it easy to navigate and set your parameters thereby reducing cycle times and increasing your productivity.

**BETTER ACCESSABILITY**
With the 6m (236.22in) cable you can reach more parts/sections of the vehicle without moving the machine.

**POWER UNIT WITH EASY-TO-USE CONTROL UNIT**
The robust and compact power unit is easy and intuitive to use, ensuring fast paced accuracy with every welding spot.
THE CTR® 7 C-TONG HAS A BUILT-IN PNEUMATIC FEATURE THAT Presses THE WELDING TIPS TOGETHER AUTOMATICALLY WHEN TRIGGERED.

FEATURES AND BENEFITS
- Innovative compact design with low center of gravity for increased safety and easy handling
- Transformer gun technology for greater working range
- Aluminum, telescopic support arm with integrated balancer (optional) for adjustable height
- Powerful output welding currents up to 12,000 amps for the toughest welding jobs
- User-friendly control panel for easy navigation
- Large 20 liter tank for efficient water-cooled operation
- Weldlogger program for documentation and registration of welding data via PC and USB (optional)
PUSHING PERFORMANCE
The CTR® 7 C-Tong also has a built-in pneumatic feature that presses the welding tips together automatically when triggered. Electrode force is an important ingredient in a good resistance weld. The pressure setting is visible in the control panel display and adjustable by the pressure regulator.

INCREASED EFFICIENCY
The timer controls the duration of the current applied to the weld. The ideal is to try to attain a weld that uses higher current for a shorter time thereby reducing the heat. By automatically keeping the pressure after the current shuts off, the weld cools down under pressure forming a hardened and stronger weld, OEM accuracy inside your body shop!

WELDING DATA DOCUMENTATION
The CTR® 7 records weld data during the repair process and generates reports that can be printed.

PERFORM PER OEM REQUIREMENTS
Ready to perform in your body shop per OEM requirements, the CTR® 7 replicates the welding procedure as performed by the car manufacturers.

OVERHEAT PROTECTION
The protection system monitors the welder when the C-Tong is used. The thermal and break sensors protect the welder in the event of overheating.

PERFORM SAFELY
The CTR® 7 has been designed and tested to exceed the strictest safety requirements.

TURN THE WELDLLOGGER INTO YOUR BEST SUPPORT
The CTR® 7 records weld data and generates reports during the repair process. Print the report to testify to the quality of the welding and increase the trust in your body shop.

- PC and machine software for documentation and registration of welding data
- Records welding current, time, date, program and result
- Creates work orders
- Saves welding data with print out possibilities via USB
PRODUCT INFORMATION
AND TECHNICAL DATA

STANDARD COMPONENTS

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>C-YOKE 40MM THROAT DEPTH, WATER COOLED</th>
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</thead>
<tbody>
<tr>
<td>46962</td>
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<table>
<thead>
<tr>
<th>PART NO.</th>
<th>C-YOKE 80MM THROAT DEPTH, WATER COOLED</th>
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<table>
<thead>
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<th>PART NO.</th>
<th>C-YOKE 350MM THROAT DEPTH, WATER COOLED</th>
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<table>
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<th>PART NO.</th>
<th>C-YOKE 500MM THROAT DEPTH, WATER COOLED</th>
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</thead>
<tbody>
<tr>
<td>43036</td>
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</table>

STANDARD ACCESSORIES

SUPPORT ARM WITH INTEGRATED BALANCER BLOCK
- Telescopic horizontally and vertically
- Adjustable arm height, from the floor, 1.9 - 2.4m
- Adjustable arm length, from 1.2 - 1.55m

PART NO. 44962

ACCESSORIES CASE
Electrode set and 13mm caps.

PART NO. 43021

OPTIONAL ACCESSORIES

COMPLETE MULTI FUNCTIONAL GUN
- MF gun
- Workpiece cable with connector
- Ground cable
- Delivery plate
- Pulling hammer
- Accessories box kit

PART NO. 41888

MULTI FUNCTIONAL GUN KIT
- MF gun
- Workpiece cable with connector
- Ground cable
- Pulling hammer

PART NO. 41889

COMPLETE MULTI FUNCTIONAL GUN KIT

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pulling hook for slide hammer</td>
<td>41895</td>
</tr>
<tr>
<td>Washer welding electrode</td>
<td>41897</td>
</tr>
<tr>
<td>Electrode for set screw</td>
<td>41898</td>
</tr>
</tbody>
</table>
Complete multifunctional gun kit (Cont.)

**ITEM** | **PART. NO.**
---|---
Electrode for set screw | 41899
Electrode for trim strip nipple | 41900
Electrode for sheet pulling | 41901
Spot welding electrode | 41902
Electrode cap for spot welding electrode 13 mm | 41903
Washers 8x16x1,5 mm coppered | 41904
Trim strip nipple 3x3,2 mm | 41905
Trim strip nipple 3x4,5 mm | 41906
Holding nipple 5x8,2 mm | 41907
Set screw M4x12 mm | 41908
Set screw M5x18 mm | 41909
Set screw with coarse-pitch thread 5x12 mm | 41910
Set screw with coarse-pitch thread 5x18 mm | 41911
Set screw with coarse-pitch thread 5x25 mm | 41912
Special triangular pulling eye | 41913
Carbon electrode for sheet pulling | 41914
Seam welding electrode | 41915
Fist wrench | 41916
Pulling hammer | 41892
Delivery plate | 41893
Grab handle left | 44421
Connecting nut | 44423
Retainer nut II | 44423
Thermo switch | 44425
Retaining clip | 44426
Control push button | 44427
Clip | 44428
Hose package | 44430
Micro switch | 44069
Current adapter | 44431
Conector 3-pole | 44432
Work piece | 44433
Ground cable | 44434

**SPOT DRILL KIT**

The depth can be easily regulated by means of the red positioning ring and checked by moving the counter-stay backwards.

With the yoke fitted, the drill moves automatically towards the spot welds when the trigger is depressed to the half-way position.

**PART NO. 32686**

**SPOT DRILL TECHNICAL DATA**

<table>
<thead>
<tr>
<th><strong>ITEM</strong></th>
<th><strong>PART. NO.</strong></th>
<th><strong>Description</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Speed</td>
<td>1800 RPM</td>
<td></td>
</tr>
<tr>
<td>Drill diameter</td>
<td>8 mm</td>
<td></td>
</tr>
<tr>
<td>Air intake</td>
<td>1/4”</td>
<td></td>
</tr>
<tr>
<td>Working pressure</td>
<td>6,2 bar</td>
<td></td>
</tr>
<tr>
<td>Vibration level</td>
<td>0,27 m/sec (ISO 8862 - 1)</td>
<td></td>
</tr>
<tr>
<td>Air consumption</td>
<td>230 l/min</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>2,3 kg</td>
<td></td>
</tr>
</tbody>
</table>

**ITEM** | **PART. NO.**
---|---
Adapter Kit Spot Drill | 32948
Bushing | 32885
Drill support | 32886
Drill 45 x 8 mm (5 units) | 32863
Drill 45 x 10 mm | 33276
Drill bits B.O.R 3/paket (3 units) | 33939
Drill bits HSS 5/paket (5 units) | 33940
Oil B.O.R | 33941

**TIP DRESSER**

**ITEM** | **PART. NO.**
---|---
Tip dresser for electrode tips standard, 13mm cap (incl. dresser blade) | 41919
Dresser blade 13mm cap | 41921
## TECHNICAL DATA

<table>
<thead>
<tr>
<th>SPECIFICATION</th>
<th>PARAMETER</th>
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<tbody>
<tr>
<td>MAX. VOLTAGE</td>
<td>3 x 400V -5% +10%, 50 Hz - 50 Hz</td>
</tr>
<tr>
<td>MAX. POWER</td>
<td>75kVA</td>
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<tr>
<td>FUSE (DELAYED ACTION)</td>
<td>16-32 A</td>
</tr>
<tr>
<td>PROTECTION TYPE</td>
<td>IP21</td>
</tr>
<tr>
<td>INSULATION CLASS</td>
<td>F</td>
</tr>
<tr>
<td>COMPRESSED AIR SUPPLY</td>
<td>5-10 bar (72-145 psi)</td>
</tr>
<tr>
<td>POWER UNIT FOR TRANSFORMER GUN (10 KHZ)</td>
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</tr>
<tr>
<td>OUTPUT CURRENT</td>
<td>0-200A</td>
</tr>
<tr>
<td>OUTPUT VOLTAGE</td>
<td>560V</td>
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<tr>
<td>COOLING</td>
<td></td>
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<tr>
<td>COOLING POWER</td>
<td>1000W</td>
</tr>
<tr>
<td>TANK CAPACITY</td>
<td>20 l (5.3 gal)</td>
</tr>
<tr>
<td>FLOW RATE</td>
<td>2 l/min (0.53 gal/min)</td>
</tr>
<tr>
<td>CONFIGURATION</td>
<td></td>
</tr>
<tr>
<td>DIMENSIONS (HXWXD) APPROX. (WITHOUT SUPPORT ARM)</td>
<td>1130 x 650 x 930 mm (44.5 x 25.5 x 36.5 in)</td>
</tr>
<tr>
<td>WEIGHT APPROX. (WITHOUT SUPPORT ARM)</td>
<td>92 kg (202 lbs)</td>
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<td>TECHNICAL DATA TRANSFORMER C-GUN CONNECTION DATA</td>
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<tr>
<td>PRIMARY VOLTAGE/FREQUENCY</td>
<td>560V/10KHz</td>
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<tr>
<td>PRIMARY POWER (100% DUTY CYCLE)</td>
<td>20kVA</td>
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<td>PROTECTION TYPE</td>
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<td>INSULATION CLASS</td>
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<tr>
<td>COOLING TYPE</td>
<td>Liquid Cooled</td>
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<td>WELDING CIRCUIT</td>
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<td>WELDING AMPERAGE</td>
<td>10,000 A (Current Controlled)</td>
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<tr>
<td>MAX. OUTPUT AMPERAGE</td>
<td>12000A</td>
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<td>NO-LOAD VOLTAGE</td>
<td>12.5VDC</td>
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<td>MECHANICAL DATA</td>
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<tr>
<td>ELECTRODE FORCE</td>
<td>0 - 500daN (0 - 1124lb)</td>
</tr>
<tr>
<td>WEIGHT (WITH 80MM YOKE, CA)</td>
<td>11kg (24 lbs)</td>
</tr>
<tr>
<td>CABLE LENGTH</td>
<td>6m (19.7ft)</td>
</tr>
</tbody>
</table>
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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