

The Official Maserati Supplier since 1982



Why Car Bench?

ONLY with Car Bench Equipment will you be able to reach the additional OEM Approvals:



Rolls Royce "Official Approval"



Tesla "Official Approval"



Lamborghini "Exclusive Approval"



BMW "Official Approval"



Mercedes-Benz

Mercedes-Benz "Official Approval"



JAGUAR

Jaguar "Official Approval"



Ferrari "Exclusive Approval"



PORSCHE

Porsche "Official Approval"

Other Car Bench Approvals and Collaborations:

HAYBACH



TOYOTA



smart



General Motors



CAR BENCH
CAR BENCH INTERNATIONAL s.p.a.

WHY CAR BENCH?

Versatile • Precision • Power • Simplicity

BENEFITS OF THE CAR BENCH SYSTEM:



• 6 ton Scissor Lift quickly adjusts to a comfortable working height

• Maserati Supplier Since 1982

• Mobile Fixture Carts - Bring Fixtures to your work space

• Mobile - Scissor retracts up to allow Bench to be moved on the Heavy-duty caster wheels even with a vehicle loaded

• Cross Beam positioning is quick & easy taking only seconds with our Quicklock design

• Bench is not mounted to the floor

• Gliding Pull Arm features 12 tons of power and rotates pneumatically to any position for pulling

Approvals

Maserati Yes

Ferrari Yes

Mercedes-Benz Yes

BMW Yes

Fiat Yes

Jaguar / Land Rover Yes

Porsche Yes

Tesla Yes

GM Yes

Ford Yes

Chrysler Yes

Approvals

Lamborghini Yes

Volvo Yes

Rolls Royce Yes

Many More





COMPOSED OF:



Muraena Bench length= 5,15 m with wheels



Set of n.2 extensions and n.6 cross beams with the following features:
n.2 (3-sided cross beams ready for extensions)
n.2 (3-sided standard cross beams)
n.2 (1-sided cross beams)



Scissor lift with load capacity 6,0 tons with mobile electro-hydraulic single-phase gear case 220v 60hz



Set of n. 8 universal support groups and n. 2 special long-neck supports



Muraena semi automatic pull post inclusive of:
NR. 1 Pushing Piston 10 Ton code A617
NR. 1 Special air ratchet wrench for pull post operating code AA258
NR. 1 Extension for vertical arm code A400
NR. 1 Pneumohydraulic Pump code A718
NR. 1 Security cable code A610
NR. 1 Self locking pull Clamp code B500/a3
NR. 1 Chain Hooks code B500/E6
NR. 1 Chain L= 3 m code B500/F1/3
NR. 1 Threaded chain Adapter code A554
NR. 1 Threaded adapter Link code A549



Trolley for supports, rods and parts



Set of n.4 universal anchorages with 3-sided 180° inclinable upper mounting blocks



Set of approach ramps-side runners and rubber pads for Muraena bench frame length 5,15 m



Set of n.4 mobile axle stands equipped with bearings



Set of n.4 universal sill clamps with horizontal and vertical sliding movement for Muraena benches



Manual Winch

**MANTA 5.15 BENCH
(MASERATI CONFIGURATION)**



COMPOSED OF:



Manta Bench length= 5,15 m with wheels



Set of n.2 extensions and n.6 cross beams with the following features:
n.2 (3-sided cross beams ready for extensions)
n.2 (3-sided standard cross beams)
n.2 (1-sided cross beams)



Scissor lift with load capacity 6,0 tons with mobile electro-hydraulic single-phase gear case 220v 60hz



Set of n. 8 universal support groups and n. 2 special long-neck supports



Manta pull post inclusive of:
NR. 1 Pushing Piston 10 Ton code A519
NR. 1 Extension for vertical arm code HAA107
NR. 1 Pneumohydraulic Pump code A718
NR. 1 Security cable code A610
NR. 1 Self locking pull Clamp code B500/A3
NR. 1 Chain Hooks code B500/E6
NR. 1 Chain L= 3 m code B500/F1/3
NR. 1 Threaded adapter Link code A549



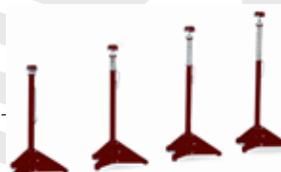
Trolley for supports, rods and parts



Set of n.4 universal anchorages with 3-sided 180° inclinable upper mounting blocks



Set of approach ramps-side runners and rubber pads for Manta bench frame length 5,15 m



Set of n.4 mobile axle stands equipped with bearings



Set of n.4 universal sill clamps with horizontal and vertical sliding movement for Manta benches



Manual Winch



The unique "Universal Jig - Evolution D" combined with the new technical data sheets in 3D has allowed to further improve the Car Bench ORIGINAL universal jig system, already recognized in over 70 countries as the most successful approved jig system carrying most prestige OEM approvals on the world market today.

Technical Specifications:

Technical aspects of the UNIVERSAL JIG - EVOLUTION D, which makes it the most flexible system on the market based on the following advantages:

- Maximum adaptability on every checking point of the vehicle covering the whole underbody.
- Simultaneous control of every single checking point of the vehicle, both close points and asymmetric points, without the need of any additional parts or extensions, furthermore it controls the MacPherson directly from the underbody of the vehicle.
- It covers the same amount of vehicle checking points as the specific mini jig, both with mechanical parts mounted and mechanical parts removed. Thanks to the same basic equipment (Car Bench Patented) it is possible to work with sliding cross beams with 3 sides on each cross beam and anchoring support blocks having 5 free movements in the air.
- Gives a complete reading in 3 axes (X, Y, Z) while holding each vehicle checking point in tolerance until the work is finished.



COMPOSED OF:



Universal Jig Evolution



Trolley for Universal Jig Evolution



Mounting technical sheets data-base

**MEASURING SYSTEM
FOR DIAGNOSIS AND REPAIR**

Car Bench supplies the automotive industry with the latest innovative electronic measuring system "Contact Evolution". Reliable, precise and customer friendly the Contact Evolution is a product meeting the requirements of both the OEMs, insurance companies and the panel beaters. The Contact was designed using both aluminum and carbon fiber and using the latest generation of radial encoders to control the 5 axes movements. This combination of materials makes it very light and strong at the same time and extremely practical. The software has been developed with the most advanced programming languages to guarantee the compatibility with the latest operating systems and a modern, performing and intuitive graphics. The specific data base has been developed by Car Bench thanks to the long time cooperation with worldwide Car Manufacturers that allow us to use the nominal data of their vehicles, guaranteeing the maximum precision and extremely low requested tolerance on every single checking point of the frame and body. The Contact Evolution can be used for both the diagnosis and the repair, supplying a detailed printout inclusive of pictures of the vehicle's status before and after the repair. Thanks to its flexible structure it can be used also external to the bench, allowing the operator to carry on his activities on any type of lifting system or bench make and model.


Dati Tecnici

Alimentazione	110/220 V - con batteria 24- 50/60 Hz
Peso	20 kg
Lunghezza braccio	2.700 mm
Campo di misura orizzontale	5.400 mm
Campo di misura verticale	2.500 mm
Altezza minima di lavoro	770 mm
Altezza massima di lavoro	1.250 mm
Braccio articolato di misura	5 snodi
Database	DVD Rom - USB Drive - Internet
Connessione	Wi-Fi - Cavo
Tripiede regolabile	Mobile
Ripiano	Porta Laptop
Imballo	Flight Case su ruote
Compatibilità Software	Windows XP, Vista, 7, 8



MASERATI PART NUMBER 900000xxx

Self-Piercing RIVETER

Specifications

Joining force 20-50 kN (adjustable)

Actuation DC-permanent-motor

Motor voltage 12V

DC Cycle time 3-5s

Capacity approx. 300 working strokes/battery

Noise level 75 dB(A)

Throat depth e.g. 35mm (1.378")
(depending on C-frame)

Weight approx. 4.7kg (10.4lbs)
(depending on C-frame)



MASERATI PART NUMBER 900000xxx

RIVETER Break Stem

Specifications

Weight (min. with equip.) 2.3 kg (5.1 lbs)

Pull force @ 5.5 bar 18.68 kN (4200 lbf)

Stroke (min.) 17 mm (0.67 in)

Cycle time (approx.) 1.2 sec

Air supply pressure 5-7 bar (80-100 psi)

Free air volume @ 5.5 bar 4.3 litres

Noise level <75 dB(A)

Vibration <2.5m/s²



SMART SPOT WELDER



The CB-3664P7 model is a resistance welding system controlled by a microprocessor suitable for car body repair applications.

The welder 3664P7 is fully automatic. When in the Smart Plus mode, the touch-screen display welding control is able to recognize automatically the type and thickness of the sheets to be welded by relying on sensors placed within the gun.

14,000 Amp
With 700 daN Gun. V 220/60Hz

Includes:

-Arm 505mm - 225mm

-Arm 108mm -

-Arm 355mm - 160mm

Specifications

Nominal power at 50% kVA 19

Maximum welding power kVA 60

Maximum secondary current kA 14

Thermal current 100% kA 1.8

No load secondary voltage V 8.7

Max. electrode force daN 700

Recognition sensor - S S

Protection degree IP21

Weight without arms kg 12.5

**SYNERGIC INVERTER MIG MAG
DOUBLE PULSE**

Car Bench Synergic Inverter MIG/MAG DOUBLE PULSE single-phase welding power source, with 2-roller wire feed unit in aluminium, with manual synergic control panel with stored curves, electronic control of choke value, spot welding time and pause time. Comes with work return lead (3m – 25mm²) and clamp. Including welding torch.


Technical Specifications

Single phase input	230V 50/60 Hz +15% / -20%
Fuse rating (slow blow)	20 A
Input power	5,7 KVA 60% 4,1 KVA 100%
Max. current that can be obtained in welding	15A ÷ 200A Min.-
Duty Cycle, (10 min.40°C) according to IEC 60974.200A	60% 160A 100%
Electronic Stepless regulation	
Wire sizes that can be used	0,6/0,8/1,0 Fe 0,6/0,8/1,0/1,2 Al 0,6/0,8/1,0 Inox 0,8/1,0 Cu-Si 3% 0,8/1,0 Cu-Al8 (AlBz8)
Max. wire spool size	Ø 200 mm/5 Kg Ø 300 mm/15 Kg
Protection class	IP 23 S
Weight	21,5 Kg
Dimensions mm	260x580x471H

INVERTER PLASMA CUTTER

The Car Bench Plasma Cutter was created to meet the need of working in the body shop with an easy to handle, easy to use power source with minimal system requirements yet able to ensure excellent quality cutting on all metals, including the new high-strength steel. It weighs just 13Kg. including the torch and requires single-phase power supply; it works with compressed air or nitrogen (for high-quality cutting), provided at a pressure of 3.7 bar, with an airflow of just 60 l/min. (and may thus be powered by a 25 l compressor). Including hand torch.


Technical Specifications

Single phase input	115/230V-50/60 Hz + 15% / -20%
Fuse rating (slow blow)	20 A
Input power	3,5 KVA 35%
	2,8 KVA 60%
	2,4 KVA 100%
Dimensions mm	260x580x471H
Current adjustment range	5A ÷ 30A
Duty Cycle (10 min.40" According to IEC 60974)	30A 35%
	25A 60%
	22A 100%
Stepless Regulation	Electronic
Thickness on steel Recommended- Max.-(Severance)	3-12 (15) mm
	1/3"-1/2" (5/8")
Torch length	4m (13 ft.)
Air consumption	60 lt/min - 3,5 bar
Protection class	IP 23 S
Weight	13 Kg
Dimensions mm	175x503x400H

**ALU COSMETIC REPAIR
WITH SPOTTER MACHINE**

The Car Bench Alu-kit is the ideal partner for the repair of all small/medium damages which happens daily and which needs to be repaired in any body-shop.

The kit is equipped with a specific spotter generator for aluminium which guarantees the highest performances.

Includes:

- Trolley
- TECNA Aluspotter 110v with torch + double groundcab
- Electrodes for m4 & m5 stud bolts
- Touch hearth
- Kit of 5 rings with bush m4
- Kit of 5 rings with bush m5
- Pack of 100 alu. screws m5x20
- Kit 100 screws als12 m4x16
- Kit 100 screws als12 m5x20
- Multifunction pulling bar mt.0,90 with Pushrod and universal mobile foot
- Pull system for aluminium vers.I05, to be used both with screws, rings and glue suction cups
- Set of n° 7 special aluminium hammers, compulsory for a correct aluminium repair, supplied with hammer case
- Kit of wedges with different shapes and dimensions



**STEEL COSMETIC REPAIR
WITH SPOTTER MACHINE**

The Car Bench Steel-kit is the ideal partner for the repair of all small/medium damages which happens daily and which needs to be repaired in any body-shop.

The kit is equipped with a specific spotter generator for steel which guarantees the highest performances.

Includes:

- Trolley
- TECNA Kit spotter 1800/230V with spotter torch 2.5m and mass cable 2,0m/50mm
- Magnetic mass for spot welding
- Swaged brass clamp
- Mini slide hammer 1.1Kg for pliers
- Touch hearth 3m for slider dinse
- Electrode D.16 for crushing
- Electrode for wavy wire spot weld
- 50 steel wavy wires
- 50 washers
- 50 twisted washers
- Pull system for steel to be used both with rings and glue suction cups
- Cable for pull system
- Multifunction pulling bar mt.0,90 with Pushrod and universal mobile foot.
- 3 hooks gripping head, 6 hooks gripping head



FUME EXTRACTOR**Eurovac - Welding Fume Exhaust System**

The Eurovac mobile BoxAir filter unit is designed to capture, filter and exhaust air impurities created during welding, metal processing or workshop activities. The standard unit is equipped with a two stage filtration system:

- Unit is made of powder coated steel body with an aluminium impeller fan.
- Four heavy duty casters position the unit in the workspace.
- Air impurities are captured with a 6 inch diameter self-supporting arm.
- Stainless Prefilter Filter which captures up to 95 % of sparks and steels chips.
- Pleated Polyester main filter which captures 99% of all particles which are greater than .5 microns in size.

**Specifications**

1.0HP fan set for 110 volt single phase operation

Thermal overload switch and reset

15' power cable and on/off toggle switch

6" x 2m (7') fume self-supporting arm

Stainless Prefilter Filter which captures up to 95 % of sparks and steels chips.

Pleated Polyester main filter which captures 99% of all particles which are greater than .5 microns in size

MOBILE DUST EXTRACTOR

Eurovac II – Wet Mix Portable Vacuum System

The Eurovac II Wet Mix Dust Collector has a powerful 2.5HP 1440 watt motor with enough suction for two technicians to sand at the same time. Fabricated from 14 gauge stainless steel which is then thermoset powder coat painted. 18" Separator with manual drain valve.

- Site glass to visually check the water level.
- Relief valve set for exhausting hydrogen gas build-up in aluminum application.
- Automatic low water shut down sensor

Specifications

14 gauge stainless steel construction

EII 2.5HP 1440 watt motor

18" Separator

2 - 25' Work Hoses w/Airline, cuffs and inlet adapter

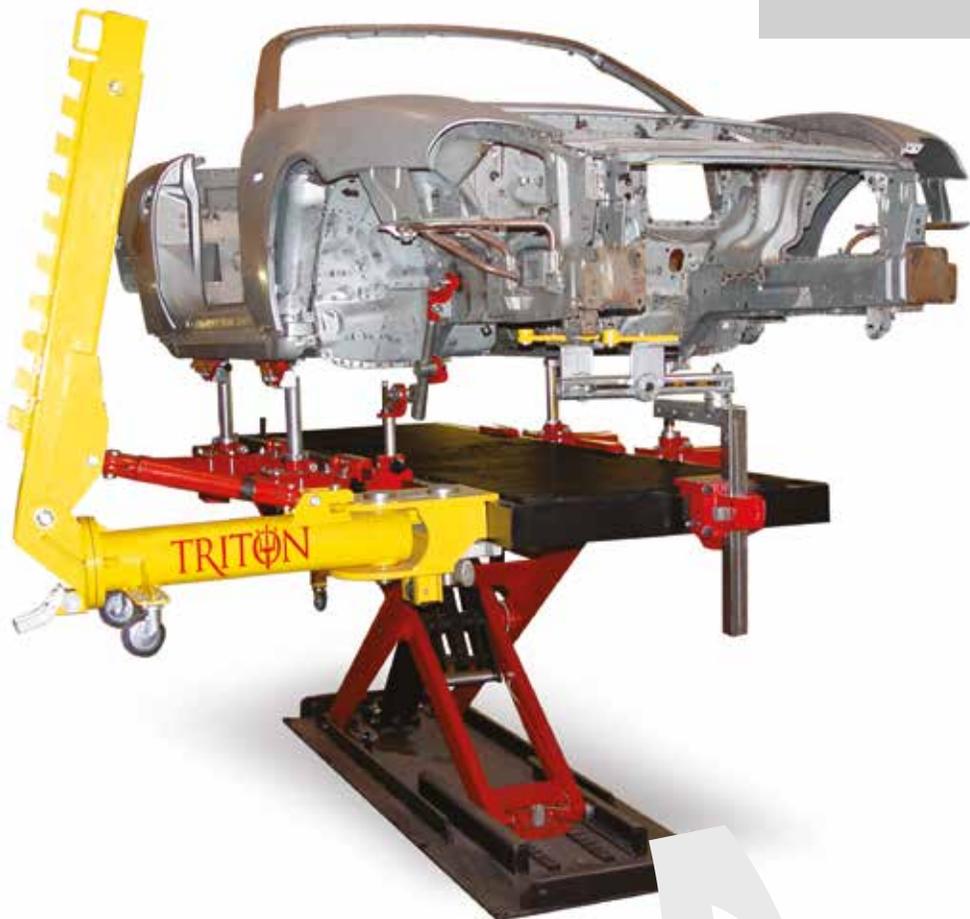


INFRARED LAMP

Car Bench "INFRARED LAMP" with IR technology. High quality results by means of the professional short waves. Complete with control box and computer including n.6 programs + Pyrometer temperature control.



QUICK PULL BENCH



Car Bench has the most advanced Quick Pull & Measuring Bench on the market, with a unique lifting Capacity: 3 Tons and lifting height: 1600 mm on sill clamps, the Bench can be mobile on wheels thanks to the double effect in the lifting pistons or placed into a pit to save space on the floor. Including sill clamps, mobile gear case and a swivel pull post with double rotation attachable 360° around the frame.

Technical Data

Power	220Volt 60Hz (Single Phase)
Lift capacity	3 Tons
Lifting height	1600mm (5Ft 2inches) on sill clamps
Length	3m (9Ft 10Inches)
Pull Power	10 Tons
Steel	Mannesman

**PNEUMATIC-HYDRAULIC
LIFTING BENCH**



Car Bench Pneumatic-Hydraulic Lifting Bench, is produced accordingly to the most rigid safety rule (CE-certification). Its pneumatic-hydraulic lift can be fixed on the floor level or eventually embedded thanks to a special embedding kit; it can be installed inside any type of spray booth. With its maximal height of 1200mm (3Ft 11inches) and its loading capacity of 2.5 Tons from ground level it can carry out any type of lifting job. The cylinder mounted on the lift is covered by a special protection to avoid any damages due to the painting work. The lifting bench is equipped with a special pump for lifting operations with remote control.

Technical Specifications

Lifting Height	1200mm (3ft 11 inches)
Maximum lifting power	2.5 Tons



CAR BENCH

CERTIFIED TRAINING ACADEMY



FERRARI



JAGUAR



LAND ROVER



MERCEDES BENZ

Contact Details:

CarBenchna@gmail.com

800-637-4780

www.carbenchnorthamerica.com

