



Mercedes-Benz Approved Supplier



CAR BENCH
CAR BENCH INTERNATIONAL SPA





OFFICIAL SUPPLIER SINCE 1967

'70s



'80s



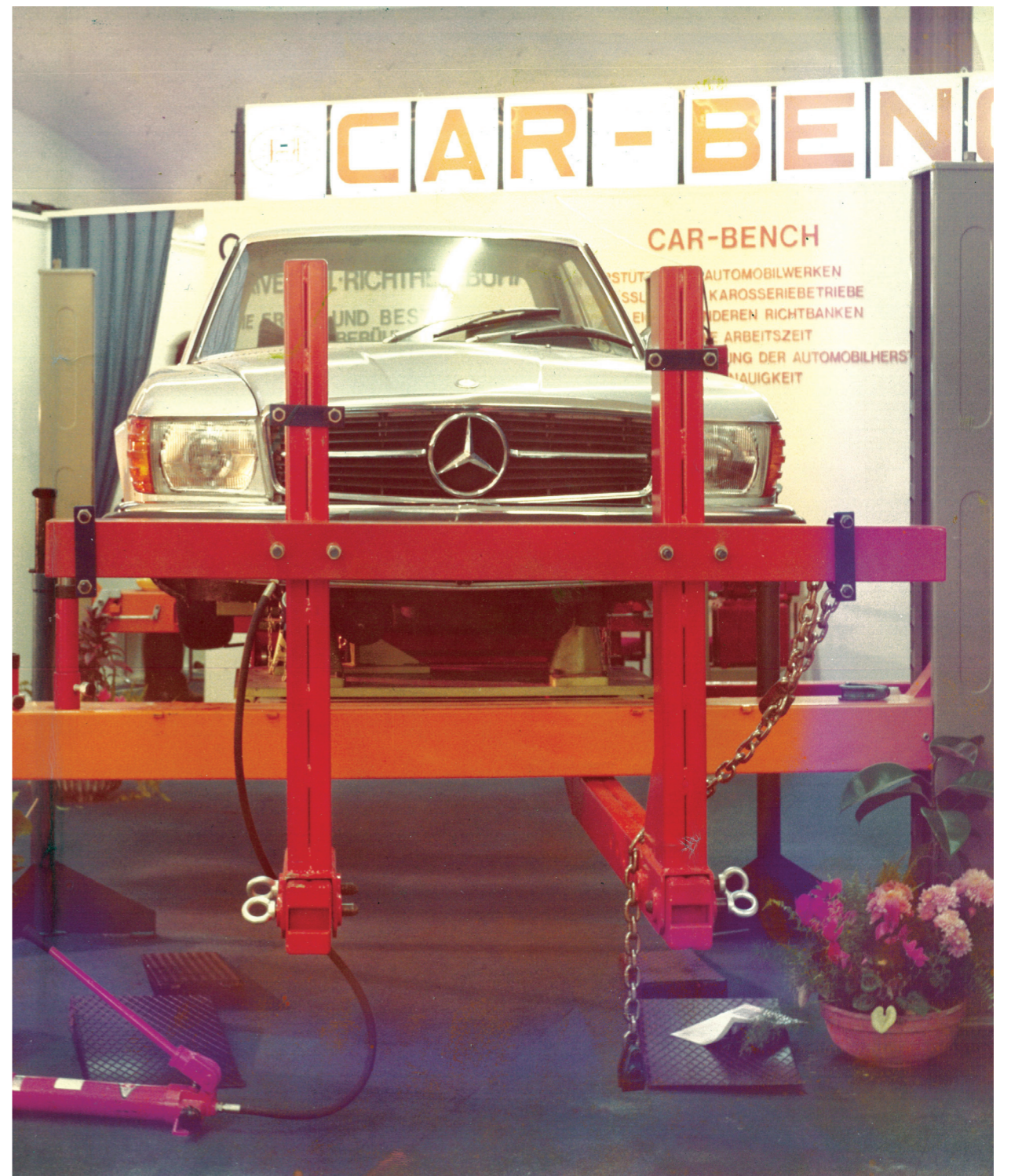
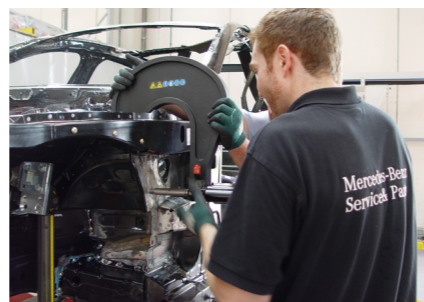
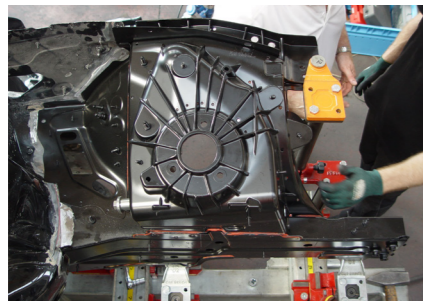
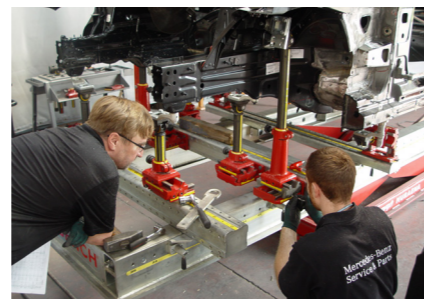
'90s



2K



SPECIALIZED IN TRAINING



Mercedes-Benz Approved Supplier





Muraena Maxi

5.15 m Bench Mercedes-Benz Configuration

This bench combined with a special scissor action lift is mobile and inclinable on both ends. Its dimensions have been optimized to allow the maximum accessibility, both inside and outside the frame during all the repair processes. Its technical specifications enable the end-user to carry out re-alignment operations when repairing passenger cars, light commercials and off-road vehicles, whilst maintaining a comfortable working posture. The frame is manufactured using a special high tensile steel box-section which is milled to ensure a precise positioning of the checking points. It can be fitted with one or more "Muraena" pull posts positioned, even very close to each other. Approach ramps and side runners, made of special steel, allow the loading on board of the vehicle without having to dismantle the basic equipment.



Universal Jig

Universal Jig Evolution D

The unique "Universal Jig - Evolution D" combined with the new technical data sheet 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:

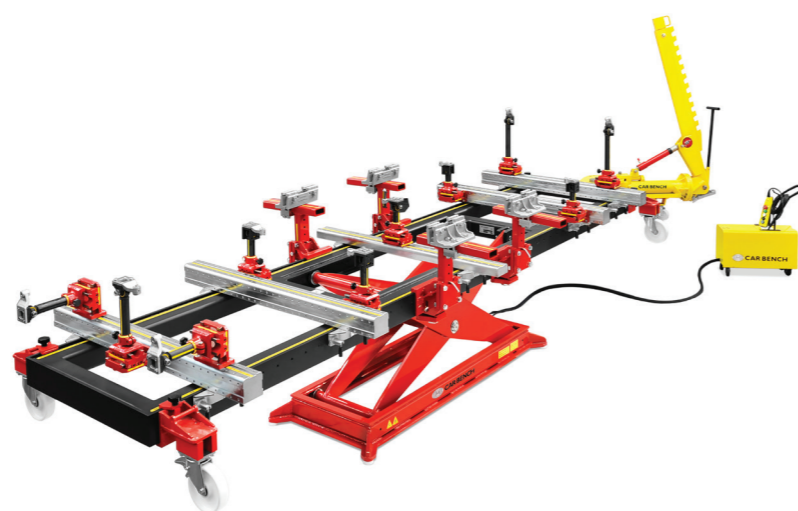
Technical aspects of the UNIVERSAL JIG - EVOLUTION D, which makes it the most flexible system on the market based on the following advantages:

- 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.

Manta

5.15 m or 6 m Mercedes-Benz Bench Configuration

The Manta bench is available in two configurations: a mobile version on wheels, to be used with any two-post lift or with a scissor lift (4.5 or 6.0 Tons). On both models it is possible to mount different series of sill clamps (both universal and specific) and its specific Manta pull post. Naturally both models are predisposed to host on the crossbeams the Universal Jig system and the Electronic measuring instrument Contact Evolution. The bench combined with a special scissor lift is mobile and inclinable on both ends. Its dimensions have been optimized to allow the maximum accessibility, both inside and outside the frame during the entire repair process in order to work in an efficient ergonomics approach. Its technical specifications enable the end-user to carry out re-alignment operations when repairing passenger's cars, light commercial and off-road vehicles while maintaining a comfortable working posture. The frame is manufactured using a high tensile steel which is milled to ensure a precise positioning of the checking points and powder painted. Approach ramps and side runners thanks to their specific design allow the loading on board of vehicle without dismantling the basic equipment.





Measuring System

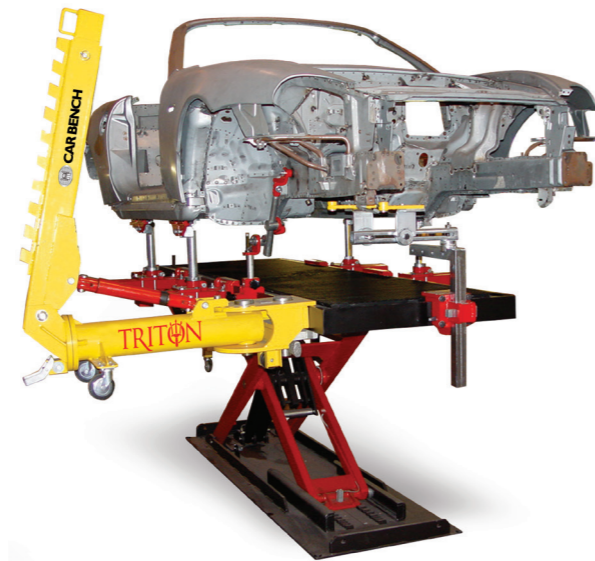
Contact Evolution - Measuring System for diagnosis and repair



Car Bench supplies the automotive industry with the absolute innovative electronic 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. Car Bench in observation of the progress and new technologies developed the hardware by using aluminum and carbon fiber and using the last generation 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 newest operative systems actually commercialized and a modern, performing and intuitive graphic. The specific data base has been developed by Car Bench thanks to the long cooperation with the 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 print out 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.

Quick Pull Bench

Triton Mobile Bench

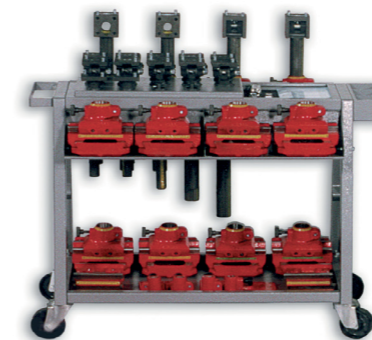


Car Bench has the most advanced Quick Pull & Measuring Bench on the market, with a unique lifting Capacity of 3 Tons and a lifting height up to 1600 mm on sill clamps. The Bench can be mobile on wheels thanks to the double effect in the lifting pistons or placed into a pit to save floor space. Including sill clamps, mobile gear case and a Swivel Pull Post with double rotation attachable 360° around the complete frame. This sturdy Triton pull post is capable of handling pulls up to 10 Ton without any problems. The Triton Bench have a vast line of optional and accessories for multi pulling or downward pulling operations. For those body shops wanting to make something extra with this Quick pull bench, the system is ready to receive a reduced version of the Original Car Bench Universal Jig System. For more floor space try embedding the Triton bench with Car Bench special housing kit and use our complete covering kit to make the Triton bench disappear into the floor. Together with the Car Bench unique computerized measuring system: "Contact EVO" this flexible bench will allow you to carry out every type of quality diagnosis, measuring and structural repairs simultaneously, together with a final print out of the job once finished.

Pack Dima 12



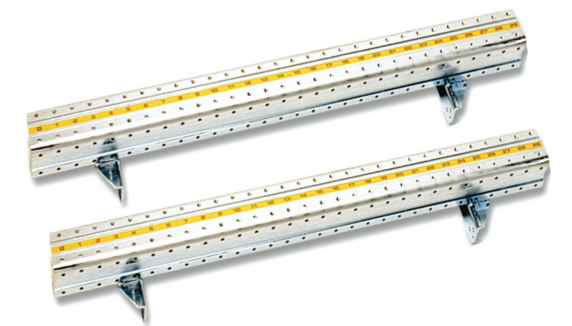
Set of n. 12 universal support groups



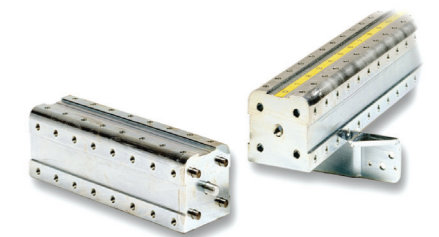
Trolley for supports, rods and parts

Optional Lateral Points Kit

Composed of:



Set of n. 2 special three sided cross beams ready to receive lateral extensions



Special set of n. 2 three sided extensions, length: 400 mm completed with attachment kits on cross beam



Support, top section composed of n. 2 high neck vertical sliders



Mig Mag Inverter

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 and steel, with manual/synergic control panel with stored synergic program. Comes complete with many functions adjustable from control panel such as: arc length, short or pulsed arc, welding process selection, 2 times /4 times, spot time, pause time, inductance, push-pull force, burn-back, soft start, etc., as well as three important functions particularly useful for an optimal welding of aluminium (3 levels, automatic hot start, automatic crater filler). With work return lead (3m - 25 mm²) and clamp, wire feed rollers for \varnothing 0,6/0,8 mm iron wires and \varnothing 0,8/1,0 mm aluminium wires. Total weight: 21,5 Kg including push pull torch.

Plasma Cutter

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 13 Kg, 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.

Alu Kit

Alu Cosmetic Repair with Spotter Machine



Car Bench Alu Cosmetic Repair Kit with Spotter machine system is equipped with a portable welding cart and all accessories necessary for aluminium dent pulling. The aluminium Weld Station includes a Single-phase capacitor discharge power source for welding rivets of max. \varnothing 8 mm on all kind of sheet metal (aluminium, iron, stainless steel). Comes with gun, double earth cable and accessories bag (wrench, \varnothing 4,5 and 6 mm stud holders, synthetic steel wool). The kit also includes a set of n. 7 special aluminium hammers supplied in a practical plastic suitcase.

Riveter

Pneumatic Hydraulic Rivet Tool - Taurus 4



Working range: Sets blind rivets up to 6.4 mm \varnothing all materials and up to 8 mm \varnothing alu (max. mandrel dia. 4.5 mm).
 Technical data:
 Weight: 2.0 kg
 Operating air pressure: 5-7 bar
 Air hose connection: 6 mm \varnothing (1/4")
 Air consumption: approx. 4.8 ltr. per rivet
 Traction power: 20,000 N at 5 bar
 Stroke: 19 mm

Spot Welder

Smart Spot Welder



Car Bench Smart Spot Welder features a new medium frequency trans-gun capable of delivering over 14,000 A with over 1,000 lbs (700 dAN) of squeeze pressure. Designed to handle all new ultra high strength steels including Boron, etc. The operator can choose between two different modes auto and manual for the two-sided spot welding. At the press of a button it measures the thickness of the metals automatically using the latest optical technology. Based on the thickness and resistance feedback information it delivers the correct weld power every time, regardless of type of metal or thickness.

Steel Kit

Steel Cosmetic Repair with Spotter Machine



The steel kit is the ideal partner for the repair of all the small damages which happens daily and which needs to be repaired with quality. It is a reliable, fast and easy system which reduces the repair times to the minimum, considering that the preparation of the panels are reduced to the minimum. The paint is very marginally removed. The unique flexibility of the mobile foot of the bar makes the reparation possible in any area of the vehicle and thanks to the suction cups it can be used also on the vertical panels. Due to its robustness it is possible to do also middle-big repairs and always just by 1 worker. Last thing to notice is that the kit is equipped with a specific spot generator for steel which guarantees the highest performances also in the most difficult surfaces.

Tool Trolley

Dedicated Aluminium Tool Kit for Mercedes-Benz



Complete Tool Trolley with n. 7 sliding drawers on ball bearings, load capacity 800 Kg. Including: welding wire, welding protection helmet, pneumatic bodysaw, vario rivet drill, drill bit kit, full set of hammers, dolly kit, panel removing set, penetration test fluid, full set of vice clamps, temporary fastener set (4.1mm - 6.0mm - 6.35mm), special drill bit kit, miller kit for aluminium (cylindric, ball, conical shape), cartridge piston, thermo strip, pneumatic grinder, sliding hammer. A complete kit studied for all Mercedes-Benz approved body shops.

Fume Extractor

Welding fumes filtering unit

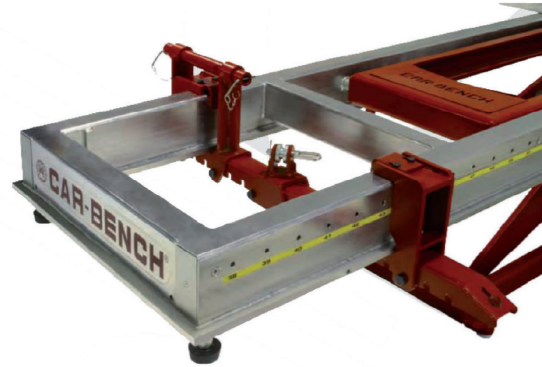


Car Bench Fume Extractor is a Trolley mounted unit for extracting and filtering harmful welding fumes through a 3 m, 6' Flame Retardant Flexible Hose. A set of n. 4 in line filters in which the last one have active carbons and a 1.5HP fan mounted underneath the product. The extracted, filtered and deodorized fumes are returned to the atmosphere from the opening underneath the machine. This welding fume extractor is available in different versions, with three phase motors, mono-phase motors 230 V, or with the features required to comply with the electrical standards of the working environment. The Car Bench Fume Extractors are portable, quiet and extremely efficient.



Downward Pull

Flexible multi pulling system



Car Bench Downward Pulling System with multi pulling features, the easiest way to carry out down pulling operations to lower the underbody to its original level, able to resist up to 3 Tons. For frames 180x100mm. This Car Bench downward pulling system is very sturdy and yet very easy to install on the frame before and after any pulling operation. Many different accessories can be used on this repair system.

Lift

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 1200 mm (3 Ft 11 inches) 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.

Spray Booth

CB Beta



Car Bench introduce CB-BETA spray booth, projected to satisfy the coachbuilder requirements. The full opening type front door provided with 3 shutters and side service door, is placed inside a structure fully composed of panels out of double vinyl coated sheet metal equipped with thermo acoustic insulation. By means of an automatic drying-painting by-pass, temperature on coming out of air in drying phase increases, making the already warmed air recycle. The fully redesigned power board, is equipped with an easier interface which make the working functions easy, also thanks to the chance of adjusting both temperature and working phases. In case of no chance of carrying out concrete works, or if there is no intention of doing that, metal base can be supplied as optional.

Dust Extraction Unit

Complies with zone 22 requirements



Mobile unit with ATEX certification for extracting and filtering potentially explosive dusts. The total absence of an electric power supply makes the application safe in environments subject to risk: extraction is achieved by the VENTURI system, which works only with compressed air. The machine can work with 1 pneumatic orbital dry sanding tool.

Mixing Room

Kleen Box

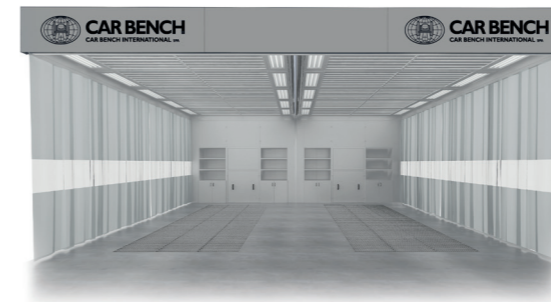


Mixing room designed for housing of tools necessary for the preparation of paints ensuring the highest level of quality in an environment free from dust and perfectly ventilated. With system for delayed lighting combined with ventilation, in order to ensure an environment free of solvents.

NOTE: Dimensions can vary based on needs and specific dimensions of the building.

Preparation Area

CB Prepkleen



Car Bench preparation zones have been designed in order to increase body-shops production, optimize the available room and make car preparation easier; consequently, small repairs will be carried out in a very short time. What is guaranteed is both over spray disappearance and removal of sanded powders, which otherwise would be dispersed into the atmosphere. Air flow keeps steady with all kind of filters, a very important point in order to get a result up to your work. What mark our projects are both practicability and comfort; for such a reason the preparation zone can be equipped with a great range of lockers and box rooms for all tools, and consumption materials which are necessary to carry out car repairs in the best way. On request, you can also be supplied with a metal base equipped with a pneumatic climbing ramp.



via Dorsale, 22 | 54100 Massa (Ms) Italy | **t** +39 0585 251261 | **f** +39 0585 250071
e commerciale.italia@carbench.it | commercial.dpt@carbench.it

www.carbenchinternational.com