

CAR-O-LINER®

bench rack

BENCHRACK™
EFFICIENCY AT ITS BEST

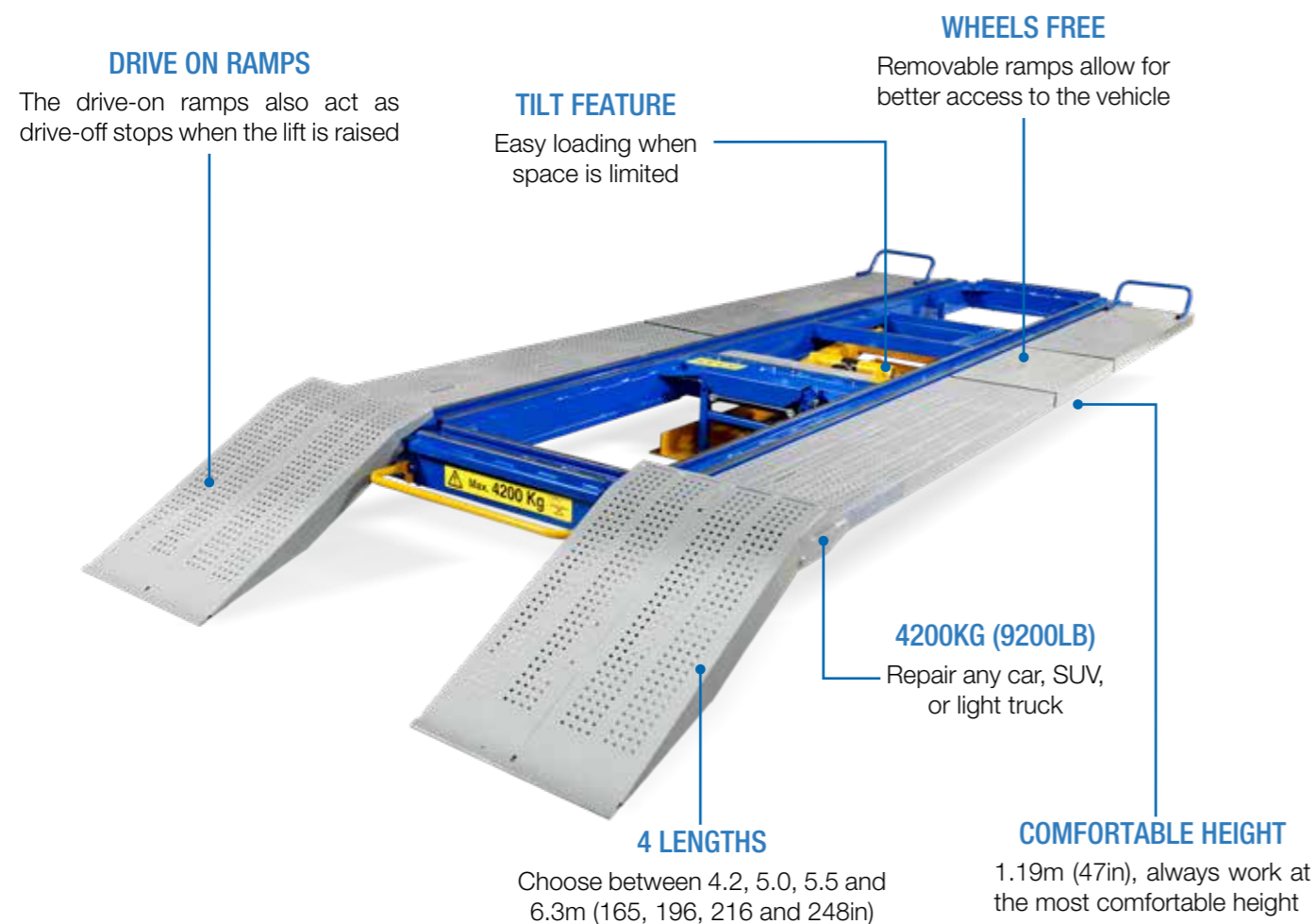
BENCHRACK™

EFFICIENCY AT ITS BEST

The unsurpassable **BenchRack™** combines drive-on convenience with a hydraulic lift and removable ramps. Add to this the tilt feature, which makes loading easier when approach space is limited, and you have the most versatile repair bench on the market. You will be able to

repair each collision damaged vehicle that enters your shop, from slight cosmetic work to full-frame repairs. The **BenchRack™** systems are designed for any type of unibody or full frame vehicle, from small cars to light trucks, vans and SUVs.

THE BEST FIT FOR YOUR SHOP



RACK UP YOUR PRODUCTIVITY

AND BODY SHOP PROFITS

A TRULY UNIVERSAL AND VERSATILE ADDITION TO ANY BODYSHOP — THE **BENCHRACK™** SYSTEMS ARE DESIGNED TO HOLD AND LIFT VIRTUALLY ANY TYPE OF UNIBODY OR FULL FRAME VEHICLE, FROM SMALL CARS TO LIGHT TRUCKS, VANS AND SUVs.

EFFICIENCY AT ITS BEST

With **BenchRack™**, you may lift the vehicle when loaded on the ramps or lift the frame on lifting pads leaving the wheels and wheel wells free. All service and repair operations can be performed quickly and effectively using a single setup. You avoid the unnecessary interruptions that arise when moving the car between different work stations for steps such as disassembly, alignment, welding, sanding and filling. Speed up your repair process by using the innovative **Car-O-Tronic® Vision2X3** measuring system.

SIMULTANEOUS, MULTIPLE PULLING CAPABILITIES

Our powerful 10-ton draw aligners, featuring state-of-the-art hydraulics, can pull from almost any angle, 360° around the vehicle. Use one or two as needed and you'll finish your repair work in no time!

SAFETY AND ACCESSIBILITY

BenchRack™ systems increase not only the productivity of your equipment, but also of your technicians. Assisted by the integrated lift, technicians will always work at the most comfortable height. A generous amount of space between the vehicle and bench offers greater accessibility to underbody work. Our special cam locks make it easy to lock **BenchRack™** components onto the bench ensuring secure mounting of the vehicle.

BENCHRACK™ SETS A NEW STANDARD FOR UNIVERSAL REPAIR BENCHES. DESIGNED TO MAKE HIGH QUALITY REPAIRS EASIER.



FEATURES AND BENEFITS

- With the versatile four lengths (4.2, 5.0, 5.5 and 6.3m) you can choose a perfect BenchRack for your shop
- The powerful 10-ton draw aligner pulls from almost any angle, 360° around the vehicle
- The ergonomic design with removable ramps allow better access to the vehicle
- Accurate, realtime measuring when used with the **Car-O-Tronic® Vision2x3** and **Car-O-Data®** database
- The **EVO** universal system allows you to perform effective holding and clamping without specific vehicle fixtures
- Truck clamping provide strong, no-slip safe holding
- Flexible installation (fixed or pit mountings) for all sizes workshops
- Meets OEM requirements/approvals

EVO SYSTEM

DESIGNED TO OPTIMIZE YOUR PERFORMANCE



IT'S THE FIGURES ON THE BOTTOM LINE THAT MATTER. THAT'S WHY EVO IS DESIGNED TO OPTIMIZE YOUR PERFORMANCE.

By adding any of Car-O-Liner's **EVO** systems for anchoring and holding you get a flexible system with fewer components, but multiple possibilities with holding power that far exceeds pulling requirements. Combine the **Mark6™** with the **Car-O-Tronic®** measuring systems and you'll get precise vehicle information with real time control during the entire process.

SAVE STRUCTURAL REPAIR TIME WITH EVO

TRANSFORM HOURS INTO EARNINGS

A leading body shop focuses on craftsmanship, equipment and design when it comes to aligning and repairing modern vehicles. That's why Car-O-Liner offers **EVO** - a universal system for anchoring, measuring and holding. **EVO** is based on modern modularity, a system in three parts with few components where each component can be assembled with the others in a multitude of configurations. **EVO** can handle every imaginable anchoring and fixturing situation. The **EVO** systems work superbly on their own, but to derive maximum benefit it can be integrated with the **Car-O-Tronic®** electronic measuring system and **Vision2X3** software package. You'll have the best solution for rapid results and premium quality from diagnosis and repair to final check and documentation.

EVO 1 OPTIMIZES YOUR PERFORMANCE

It's the figures on the bottom line that matter. That's why **EVO** is designed to optimize your performance. **EVO 1 Basic Anchoring System** contains an optimal number of components offering a wide variety of configurations. A system made for easy and speedy holding and anchoring, without extra fixtures.

EVO 1 INCLUDES

- Three towers
- Multipurpose clamp
- Track plates
- Adapter with bushings
- Chain holder
- Torque bar

EVO 2 KEEPS YOU RUNNING BY OPTIMIZING YOUR PROCESS

EVO 2 Extended Anchoring, an evolution of **EVO 1**, allows you to more easily tackle advanced repairs by providing additional equipment for anchoring, holding and side support.

EVO 2 INCLUDES

- Two extra towers and track plates
- Special tools for rear axle bracket
- Torque bar extensions and adjustable holders

MAXIMUM PROFIT WITH EVO 3

EVO 3 is made for building a fixture to hold new body parts in place when welding and bonding. When combined with **EVO 1** and **EVO 2**, and supported by the **Car-O-Tronic® Vision2X3** electronic measuring system, the equipment works on all vehicle models.

EVO 3 INCLUDES

- Adjustable fixture heads
- Lockable universal joints
- Lock handle
- All-purpose mini clamp for frame rails
- Inner fenders and strut towers

HANDLE EVERY ANCHORING, HOLDING AND FIXTURING WITH EVO SYSTEM.

PRECISE INFORMATION

REAL-TIME MEASURING PROCESS WITH CAR-O-TRONIC®



CAR-O-TRONIC® VISION2 X3

Car-O-Tronic® is the fastest, most accurate and easiest to use 3D measuring system on the market. The sensor-equipped Measuring Slide allows the operator to manage the entire measuring process without the need to be at the computer, delivering data in real-time. The most advanced system for upper and lower body measuring.

ACCELERATE YOUR BODY SHOP RESULTS BY COMBINING MARK6™ AND CAR-O-TRONIC® VISION2X3, YOU'LL HAVE THE BEST SOLUTION FOR RAPID, ACCURATE AND PREMIUM QUALITY REPAIRS.

THE MOST EFFICIENT AND ACCURATE DAMAGE REPAIR SYSTEM

Car-O-Tronic® communicates wirelessly with the **Vision2X3** software, this photo-based and user friendly platform together with **Car-O-Data®**, the world's largest vehicle database with over 16,500 measured vehicles, allows you to work fast and accurately.

Vision2X3 presents an intuitive workflow that guides the entire repair process and performs automatic centering, measuring and documentation. Its user-friendly and easy-to-learn interface allows technicians to measure damaged vehicles 20% faster. All these features working together contributes to reduced cycle times and more efficient diagnosis.

Combine **Mark6™** with **Car-O-Tronic® Vision2X3** and **Car-O-Data®** to ensure that the vehicle has returned to the OEM standard conditions. Reinforce the trust in your

body shop with quality repair and generate more business.

DECREASE CYCLE TIMES - INCREASE REPAIR QUALITY AND PROFITS

With our comprehensive measuring data you will see an immediate improvement in the level of quality your technicians put into every diagnosis, which in turn gives shorter cycle times and raises your workshop's bottom line.

THE VAST MAJORITY OF VEHICLES ON THE ROAD TODAY CAN BE FOUND IN CAR-O-LINER'S DATABASE.

With crucial measurement references available at your fingertips, this is guaranteed to be a profitable addition to your business. New and updated vehicles models are continuously measured by our international team of experienced engineers supported by virtually every major vehicle manufacturer around the world.

FEATURES AND BENEFITS

- Sensors in each joint deliver real-time data three times/second
- Contains information on **EVO** anchoring and holding systems
- Precise measurements for all under and upper body locations
- Photo-based images offer easy identification
- Info center for online software and data updates, news, support and interactive training
- Wireless, no targets, sensors or lasers
- Approved and required by many vehicle manufacturers
- Compatible with the **Car-O-Data®**, measurement database

“HOLD ON TO MORE BUSINESS”

PRODUCT INFORMATION

AND TECHNICAL DATA

STANDARD COMPONENTS

BENCHRACK 5500 STANDARD

ITEM	PART. NO.	QTY.
B83 Base frame BR5500 w Lift	34640	1
B323 Ramp kit BR5500	31934	1
D16 Draw Aligner	30346	1
B61 Bench Parts BR std.	30948	1
B633 Pillar jack kit	34014	1
EVO1 Basic	35413	1
D164 Cylinder & pump for D16	44450	1
Power unit, Hydraulic oil. See select 3	-	-

BENCHRACK 5500 STANDARD

ITEM	PART. NO.	QTY.
B83 Base frame BR5500 w Lift	34640	1
B323 Ramp kit BR5500	31934	1
D16 Draw Aligner	30346	1
B61 Bench Parts BR std.	30948	1
B633 Pillar jack kit	34014	1
EVO1 Basic	35413	1
EVO2 Extension	35419	1
EVO3-1 Additional Kit	35420	1
D164 Cylinder & pump for D16	44450	1
Power unit, Hydraulic oil. See Select 3	-	-

OPTIONAL ACCESSORIES

BASE FRAME

ITEM	PART. NO.	QTY.
B81 Base frame BR4200 w Lift	34573	1
B16 Base frame BR5000 w Lift	34639	1
B83 Base frame BR5500 w Lift	34640	1
B84 Base frame BR6300 w Lift	33907	1

RAMPS

ITEM	PART. NO.	QTY.
B322 Ramp kit BR4200	31927	1
B320 Ramp kit BR5000	30984	1
B323 Ramp kit BR5500	31934	1

OPTIONAL ACCESSORIES

Ramps CONT.

ITEM	PART. NO.	QTY.
B328 Ramp kit BR5500 Wide	33989	1
B325 Ramp kit BR6300 Wide	33990	1

POWER UNIT

ITEM	PART. NO.	QTY.
T611 Power unit, 400V 3ph 50Hz + T655 Hydraulic oil	35879	1
T612 Power unit, 200V 3ph 50Hz + T655 Hydraulic oil	35880	1
T613 Power unit, 220V 3ph 50Hz + T655 Hydraulic oil	35881	1
T614 Power unit, 110V 1ph 60Hz + T655 Hydraulic oil	35882	1
T615 Power unit, 220V 1ph 60Hz + T655 Hydraulic oil	35883	1

D16 DRAW ALIGNER

PART. NO. 30346

D164 CYLINDER & PUMP FOR D16

PART. NO. 44450

DRAW ALIGNER ACCESSORIES

ITEM	PART. NO.	QTY.
D90 Down pull for D16	30412	1
T35 Chain kit 10 ton	35889	1

B61 BENCH PARTS BR STD.

PART. NO. 30948

ITEM	QTY.
B39BR	4
B626	8
B106	4
B23	1
B46	1

OPTIONAL ACCESSORIES

BENCH PARTS

ITEM	PART. NO.	QTY.
B633 Pillar jack kit	34014	1
T62 Air-Jack K22	30600	1
B57 Roll Stop / Loading Trolley	30872	1

EVO SYSTEMS

ITEM	P. NO.	QTY.
EVO1 Basic	35413	1
EVO2 Extension	35419	1
EVO 3 Universal Fixture	35719	1
EVO3-1 Additional Kit	35420	1

B73 BASIC TRUCK CLAMPING

PART. NO. 35890

ITEM	QTY.
B250	2
B260	2
B213	2
B250-E1	4
B250-E2	4
B260-E4	4
B260-E5	4
B156-A2	2
B156-A5	2
B156-A6	2
B156-A10	2
B156-A14	2
B250-H1	2
B250-H4	4
B250-G1	2
Nut	4
Spacer	4
B156-B3	2
B156-B5	2
B156-B6	2
B156-B10	2
B156-B11	2

OPTIONAL ACCESSORIES

B73 Basic truck clamping CONT.

ITEM	QTY.
M20 Nut	2
Washer	2
Screw M20x220	4
Screw M20x320	2

B730 TRUCK CLAMPING

PART. NO. 35891

ITEM	QTY.
B250	2
B260	2
B213	2
B250-E1	8
B250-E2	8
B260-E4	4
B260-E5	4
B156-A2	2
B156-A3	2
B156-A5	2
B156-A6	2
B156-A10	2
B156-A14	2
B250-H1	4
B250-H3	2
B250-H4	2
B250-H6	4
B250-G1	4
B250-G2	2
B156-C1	2
Nut	4
Spacer	4
B156-B1	2
B156-B3	2
B156-B5	2
B156-B6	2
B156-B10	2
B156-B11	2
M20 Nut	2
Washer	2

PRODUCT INFORMATION

AND TECHNICAL DATA

OPTIONAL ACCESSORIES

B730 Truck clamping CONT.

ITEM	QTY.
Screw M20x220	4
Screw M20x320	4

B340BR BENCH MOUNTING

PART. NO. 35892

T10 UNIVERSAL PULLING HOOK

PART. NO. 34638

ITEM	QTY.
T10-1	1
T10-2	1
T10-3	1
T10-4	1
T10-5	1
T10-20	1

T11 ACCESSORIES FOR T10

PART. NO. 30541

ITEM	QTY.
T11-1	1
T11-2	1
T11-3	1
T10-5	1
T11-5	1

T70 PULL CLAMP KIT

PART. NO. 32000

ITEM	QTY.
T71	1
T72	1
T73	1
T815	1

OPTIONAL ACCESSORIES

TRANSPORT, TROLLEYS AND HOLDERS

ITEM	PART. NO.	QTY.
T67 Transport wagon	34318	1
T61 Winch cpl.	30970	1
T43 Roller trolley	32081	4
T48 Support stand	30669	2
T53 Multi-pad metal	30941	4
T63 Holder for multi-pad metal	30682	4

HYDRAULIC ACCESSORIES

ITEM	P. NO.	QTY.
T250 Cable protection	31040	1
T251 Cable protection 45°	33286	1

TECHNICAL DATA

LIFTING PLATFORM	
Length	4200, 5000, 5500, 6300mm (165, 196, 216, 248in)
Width	1170mm (46in)
Max. length with draw aligner	Bench length + 1120mm (44in)
Max. width with draw aligner	2295mm (90in)
Width (with ramps attached)	2020mm standard ramps 2240mm wide ramps (78,52 88in)
Min. height	400mm (15,75in)
Max. height (floor to top of platform)	1190mm (46,85in)
Work area size with draw aligner on both sides	3415mm ² (5293in ²)
Total weight, lift and work platform	950 - 1300kg (2094 - 2866lb)
In-ground capability	Yes
Tilt feature	Yes
Loading angle	Bench 2,6° Driving ramps 12°
Lift capacity (max. vehicle weight)	4200kg (9259lb)
Lift capacity (in-ground max. vehicle weight)	4200kg (9259lb)
HYDRAULICS	
Pulling force (per draw aligner)	10 tons
Hydraulic pressure (max)	700 bar
POWER UNIT	
Hydraulic pressure	210 bar
Air connection pressure	max 10 bar
Sound level	Below 70 dB(A)
Electrical cable length	4m (157in)
Hydraulic hose length	7m (275in)
Cable to control box	10m (394in)
Power	3 Ph, 50 Hz, 200/230/400 V 1 Ph, 60 Hz, 110/220 V

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 Middle East.

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

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CAR-O-LINER®

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