

A technician with a beard and safety glasses is operating a CAR-O-LINER machine. The technician is wearing a grey work shirt and is focused on adjusting a component of the machine. The machine is blue and has a yellow label that reads "Max. 3,000 Kg" and "6,600 lbs". The background shows a factory environment with various equipment and a blue flag.

**CAR-O-LINER®**

**CAR-O-TRONIC®**  
POWERFUL AND ACCURATE

# CAR-O-TRONIC®

POWERFUL AND ACCURATE

PRESENTED IN THREE DIFFERENT VERSIONS\* CAR-O-TRONIC® IS THE FASTEST, MOST ACCURATE AND EASIEST TO USE 3D MEASURING SYSTEM ON THE MARKET.

THE SENSOR-EQUIPPED MEASURING SLIDE WITH BUILT-IN VERSATILE REMOTE CONTROL<sup>1</sup> DELIVERS DATA IN REAL-TIME.

\*Car-O-Tronic® Vision2 X1, X2 and X3



# ADVANCED SYSTEM

## FOR UPPER AND LOWER BODY MEASURING

The built-in, versatile remote control<sup>1</sup> allows the operator to manage the entire measuring process without the need to be at the computer.

The unit is easy-to-use, one button to enter the commands and measurements of the vehicle and another button to browse through the system menu.

The photo-based and user friendly software **Vision2** together with **Car-O-Data**<sup>®</sup>, the world's most comprehensive vehicle database, allows you to work accurately and faster.

<sup>1</sup> Remote control features vary according to hardware version chosen.

### MEASURING SLIDE WITH REMOTE CONTROL



#### ATTACHMENT POINT

Fast and easy mounting of the tube and adapters

#### SMART LED

Shines green or red to indicate the correct measure point

#### EJECT AND RELOAD!

Change battery packs easily

#### REMOTE CONTROL

Measurements in one push of a button

#### HERE AND THERE!

Ergonomic grip for easy transport

#### MOVEMENT FREEDOM

Three rotating axis. Easily slide from one point to another over the bridge

#### RUBBER "BUMPER ZONES"

Protects the Measuring Slide as well as vehicles

# VISION2

## PROCESS ORIENTATED SOFTWARE INTERFACE

COMBINE THE MOST ADVANCED ELECTRONIC MEASURING SYSTEM ON THE MARKET WITH VISION2

**Car-O-Tronic®** communicates wirelessly with the **Vision2** software. Choose between **Car-O-Tronic® Vision2 - X1, X2** or **X3** according to your body shop needs.

**Vision2** guides the entire repair process and performs automatic centering, measuring and documentation. Its user-friendly interface is so easy-to-use that technicians can measure damaged vehicles 20% faster. The photo-based and easy-to-learn **Vision2** presents an intuitive workflow. It is integrated with **Car-O-Data®**, the world's largest vehicle database with over 16,500 measured vehicles. Continuous updates via internet ensure that your database will always be up-to-date. All these features working together contribute to reduced cycle times and more efficient diagnosis.

### VISION 2 - X1: FEATURES AND BENEFITS

- System for lower-body measuring

### VISION 2 - X2: FEATURES AND BENEFITS

- System for lower and upper body measuring
- Includes High Measurement Point (HMP) adapter

### VISION 2 - X3: FEATURES AND BENEFITS

- Upper body point-to-point measuring on vehicles, including full frames, light trucks and SUV's
- Suspension diagnosis check, to find bent suspension parts during the repair process
- Surface damage diagnosis
- The worldwide VIN decoding system integrates seamlessly with the world's largest vehicle dimension database
- Multimedia support for the EVO universal system for anchoring, fixturing and holding

## WHICH MEASURING SYSTEM SUITS YOU BEST?



# PERFORM 20% FASTER

WITH CAR-O-TRONIC® AND VISION2 SOFTWARE

	CAR-O-TRONIC VISION2 X1	CAR-O-TRONIC VISION2 X2	CAR-O-TRONIC VISION2 X3	BENEFITS
<b>HARDWARE FEATURES</b>				
Click in batteries	X	X	X	No downtime, just click on the other charged battery
Plug in slot/measuring adapters	X	X	X	More accurate measurements
Wireless	X	X	X	Cable free
Smart LED	X	X	X	Measuring point location assistant
HMP (high measurement point) accessory		X	X	Quick upper body diagnosis
Built-in remote control			X	Measuring procedure from a distance
Endless rotation			X	Continuous 360 degree movement
<b>SOFTWARE FEATURES</b>				
Work order form	X	X	X	Keep a repaired vehicle database
Complete vehicle index list	X	X	X	Structured vehicle search reference
Vehicle damage analysis	X	X	X	Graphic representation to diagnose vehicle damage
ASP (automatic search point)	X	X	X	Reduces incorrect measuring point choices
Measuring during pulling	X	X	X	Real time repair monitoring (3 times/Sec)
Absolute and comparative measuring mode	X	X	X	Enhances diagnosis of points on the vehicle
Documentation as printouts	X	X	X	Comprehensive printouts as hardcopy documentation
Guide and instruction manual	X	X	X	Assists in the learning process
Backup	X	X	X	Keep a safety repair database
VisionWeb support	X	X	X	Online troubleshooting
Upper body measuring mode		X	X	Allows repair of upper body damages
Info center	X	X	X	Software information database
Repair info	X	X	X	Complete information on each work order
Online updates	X	X	X	Up-to-date information
Auto screen resolution adjustment	X	X	X	Resolution sets automatically, user friendly
Import/export of work order	X	X	X	Supports several systems
handEye	X	X	X	Smartphone/tablet application
Vehicle and measuring points photo database	X	X	X	Quick vehicle and measuring point identification
Chassis drawings	X	X	X	Clearly identify damage
Automatic centering	X	X	X	Quality, process control
EVO 1, 2, 3 support (holding and anchoring)			X	Multimedia step-by-step set-up information
Ball joint measuring			X	Quick wheel suspension diagnosis
Suspension check			X	Reduction of re-work, saves time
Surface damage diagnosis			X	Surface repair estimation
VIN Decoding			X	Fast vehicle identification
Animated setup/clamping information			X	Detailed clamping and set-up information
Point to point data, unibody and full frame			X	Fast diagnosis to save time

# CAR-O-DATA®

THE WORLD'S LARGEST VEHICLE DATABASE

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 VEHICLE MODELS ARE CONTINUOUSLY MEASURED BY OUR INTERNATIONAL TEAM OF EXPERIENCED ENGINEERS SUPPORTED BY VIRTUALLY EVERY MAJOR VEHICLE MANUFACTURER AROUND THE WORLD.

Covering nearly all new and updated vehicles – presently more than 8,000 models for **Car-O-Tronic®** and over 16,500 models in total – **Car-O-Data®** consistently provides access to current and reliable measurement data.

With Car-O-Liner data service, **Car-O-Data®** you receive immediate through the Internet, up-to-date information about new and updated vehicles that are continuously measured by our team in cooperation with automotive manufacturers around the world.

## 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.

## CAR-O-DATA INDEX

The **Car-O-Data®** Index – accessible from the Info Center menu – lets you update your vehicle database instantaneously over the Internet. Every day new interim data sheets and reference data for numerous new and old vehicle makes and models become available for downloading.

## SUBSCRIPTION TO CAR-O-DATA® AVAILABLE

One-year exclusive access to **Car-O-Data®** may be purchased. Download the database via the internet or receive it on DVD.

## CAR-O-DATA™ FEATURES AND BENEFITS

- World's largest measurement database with over 16,500 vehicles
- Data for approximately 300 new vehicles per year
- Photographed measuring points
- New vehicle information released continuously on-line
- Updates four times per year via DVD
- 14-day trial subscription
- Lower body measuring points
- Upper body measuring points<sup>2</sup>
- Point-to-point measurements for light trucks and SUVs<sup>3</sup>
- Clamp position displayed
- VIN number search function<sup>3</sup>
- Holding and anchoring information
- 

<sup>2</sup> Available for Vision2 X2 & X3

<sup>3</sup> Available for Vision2 X3

A CAR-O-DATA® SUBSCRIPTION GIVES YOU THE IMMEDIATE AVAILABILITY OF NEW VEHICLE DATA THROUGH THE CAR-O-LINER VISIONWEB (CAR-O-LINER'S CUSTOMER SUPPORT WEB) DIRECT ACCESS TO SUPPORT, TECHNICAL INFORMATION, FORUMS AND THE LATEST VEHICLE DATA, INCLUDING DIMENSIONS AND VEHICLE SETUP.

## VISION WEB FEATURES AND BENEFITS

- Personal login access to Car-O-Liner's VisionWeb internet site
- Free updates on your measuring equipment software
- Support for data sheets
- Immediate **Car-O-Data®** updates via Internet, no waiting for the next DVD release

# THE DATA YOU NEED

ANY VEHICLE, ANY TIME

## EASY TAB STRUCTURE

All steps are guided through the tabs

## ACCESSORIES

Special measuring adaptors

## WORKFLOW PROCESS

Don't miss any step with the intuitive workflow

The screenshot displays the Car-O-Soft Visions2.X3 (v1.19.0.25) interface. At the top, there is a menu bar (File, Settings, Help) and a toolbar with icons for Home, Workorder, and navigation. Below the toolbar is a workflow bar with steps: 'new workorder', 'Select make', 'Select subgroup', 'Select data sheet', and 'Additional info'. The main area features a table with columns: Make, Subgroup, Model, Body code, Type, Year, Wheel..., No., and Issue. The table lists several Volvo V70 models. Below the table, there are tabs for 'Vehicle', 'Setup', 'Measuring accessories', and 'EVO'. The 'Setup' tab is active, showing a car image and a list of vehicle details: Make (Volvo), Model (V70 II), Bodycode (-), Type (Station Wagon/Four Wheel Drive), Year (2008-), Data sheet no (22-041), and Wheelbase (2016). The 'EVO' tab is also visible, showing 'EVO | P2P'. A search bar at the bottom indicates 'Search for: "" - total results: 109'.

## SETUP INFORMATION

Showing the clamping points

## EVO SYSTEM

An detailed guided setup process

## VEHICLE IDENTIFICATION

Thousands of detailed images

## VEHICLE INFORMATION

Model, body code, wheel base, year and more

# PRODUCT INFORMATION

## AND TECHNICAL DATA

### STANDARD COMPONENTS

#### BATTERY CHARGER

PART NO. 33493

#### PC CABINET

Steel cabinet with wheels for PC<sup>3</sup> and Car-O-Tronic holder  
3 PC and printer are not included

PART NO. 36481

#### ADAPTERS AND MEASURING PARTS

PART NO. 46731

ITEM	PART. NO.	QTY.
Angle Stud	30223	1
Meas. Gauge	30256	1
Meas. Gauge	30257	1
Angle Meas.	30764	1
Adaptor	30227	2
Adaptor D8	30200	1
Adaptor D10	30208	1
Adaptor D12	30209	1
Adaptor D14	30210	1
Adaptor D15	30205	1
Adaptor D16	30211	1
Adaptor D17	30206	1
Adaptor D18	30212	2
Adaptor D19	30741	1
Adaptor D20	30213	1
Adaptor D21	30742	1
Adaptor D22	30214	1
Adaptor D24	30215	1
Adaptor D25	30207	1
Adaptor D26	30216	1
Adaptor D28	30217	1
Stud D25	30198	1
Stud D35	30199	1
Stud D60	30241	1
Bushing	34020	1
Bushing 06	30202	1
Bushing 08	30222	1

### STANDARD COMPONENTS

ITEM	PART. NO.	QTY.
Bushing 09	30228	1
Bushing 10	30223	1
Bushing 12	30231	1
Bushing 13	30204	1
Bushing 14	30203	1
Bushing 15	30225	1
Bushing 18	30220	1
Allen Screwdriver	30467	1
Meas. Tube L25	31260	1
Meas. Tube L60	31261	1
Meas. Tube L100	31271	1
Meas. Tube L180	31262	1
Meas. Tube L270	31263	1
Meas. Tube L360	31264	1
Meas. Tube L600	31268	1
Meas. Bridge Support	34730	2
Screw MC6S 5x6	31418	7

#### CAR-O-DATA<sup>4</sup>

The vast majority of vehicles on the road today can be found in Car-O-Liner's database. Your **Car-O-Tronic** is delivered with a 14-day trial **Car-O-Data Vision2** subscription. **Car-O-Data** is available with different subscription periods and database.

4 Check all options with our distributors

#### VISION 2 SOFTWARE<sup>5</sup>

Presented in three different versions (X1, X2, X3), **Vision2** guides the entire repair process and performs automatic centering, measuring and documentation.

5 Check the correct version due the chosen hardware.

SOFTWARE	PART. NO.
Vision2 X1	46688
Vision2 X2	46691
Vision2 X3	46695



## OPTIONAL ACCESSORIES

## OPTIONAL ACCESSORIES

**MEASURING BRIDGE<sup>6</sup>**

6 Check the different length size

MEASURING SLIDE SIZE	PART. NO.
M74 (05 meters)	39634
M75 (05 meters)	39635
M79 (05 meters)	39636

**HMP<sup>7</sup>**

Upper-body measuring is made simple and accurate with the High-Measuring Point Adapter.

7 Available only for Car-O-Tronic Vision2 **X2** and **X3**

PART. NO. 36568

**CAR-O-TRONIC VISION2 X3 KIT MB**

PART NO. 41541

ITEM	PART. NO.
Car-O-Data Complete 1 year DVD	39525
M75 COT Measuring bridge 5m	39635

**CAR-O-TRONIC VISION2 X3 KIT VW**

PART NO. 41317

ITEM	PART. NO.
Measuring parts M62	31259
Car-O-Tronic Vision <b>X3/VW</b>	41317
M90 Measuring slide COT Vision	34572
SW 21 Car-O-Data DVD Update	35604
M81 PC cabinet Car-O-Tronic	36481
M74 COT Measuring bridge 4m	39634

**CAR-O-TRONIC VISION2 KIT VW**

PART NO. 41318

INCLUDED PARTS	PART. NO.
Measuring parts M62	31259
Battery charger II M741	33493
Car-O-Tronic Vision2 <b>X2/VW+4m</b>	41318
M78 M. slide COT Classic + HMP	36424
M81 PC cabinet Car-O-Tronic	36481
M74 COT Measuring bridge 4m	39634

## TECHNICAL DATA

	CAR-O-TRONIC M21 + VISION2 X1	CAR-O-TRONIC M22 + VISION2 X2	CAR-O-TRONIC M23 + VISION2 X3
Supply voltage	Input: AC 100 - 240 V, 800 mA 50 - 60Hz Output: DC 15 V 2.2 mA	Input: AC 100 - 240 V, 800 mA 50 - 60Hz Output: DC 15 V 2.2 mA	Input: AC 100-240 V, 800 mA 50-60 Hz Output: DC 15 V 2.2 mA
Display resolution	± 0.5 mm	± 0.5 mm	± 0.5 mm
Working area (LxWxH):	5,720 x 1,840 x 900 mm	6,720 x 2,120 x 1,985 mm	6,720 x 2,120 x 1,985 mm
Battery working time	6 - 8 hours	6 - 8 hours	6 - 8 hours
Battery recharging time	2-3 hours (80%) 6 hours (100%)	2-3 hours (80%) 6 hours (100%)	2-3 hours (80%) 6 hours (100%)
Weight measuring slide	18 kg	18 kg	18 kg
Wireless communication	Bluetooth, Class 1	Bluetooth, Class 1	Bluetooth, Class 1
Output power and frequency	Max +6dBm   2.4 GHz	Max +6dBm   2.4 GHz	Max +6dBm   2.4 GHz
Quality certificate, Car-O-Liner AB	ISO9001   ISO14001	ISO9001   ISO14001	ISO9001   ISO14001
Calibration	Individual calibration with full traceability to international/national standards of length		



# 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 and by 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 customers with product information, training, support or data subscription/renewal.

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## FIND A DISTRIBUTOR NEAR YOU

Rely on our professional service teams in over 70 countries to define which Car-O-Liner product suits you best.

Please visit our website: [www.car-o-liner.com](http://www.car-o-liner.com)

# CAR-O-LINER®

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[www.car-o-liner.com](http://www.car-o-liner.com)



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