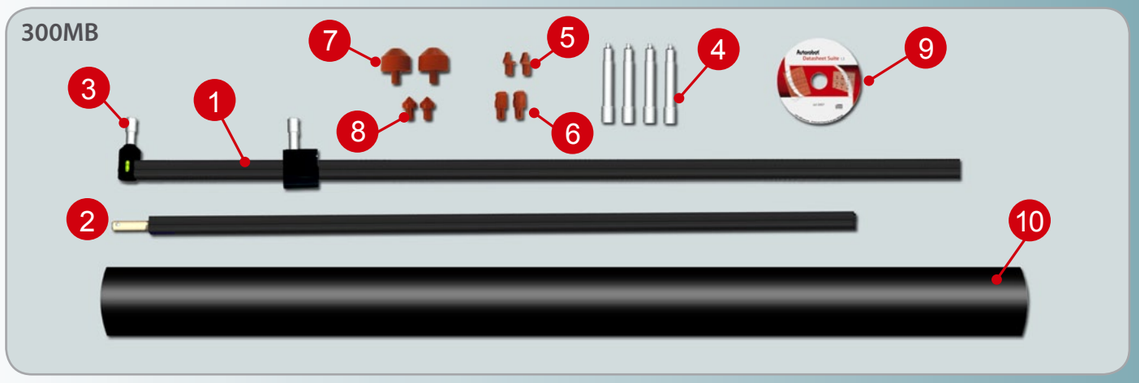
Cali-Tram

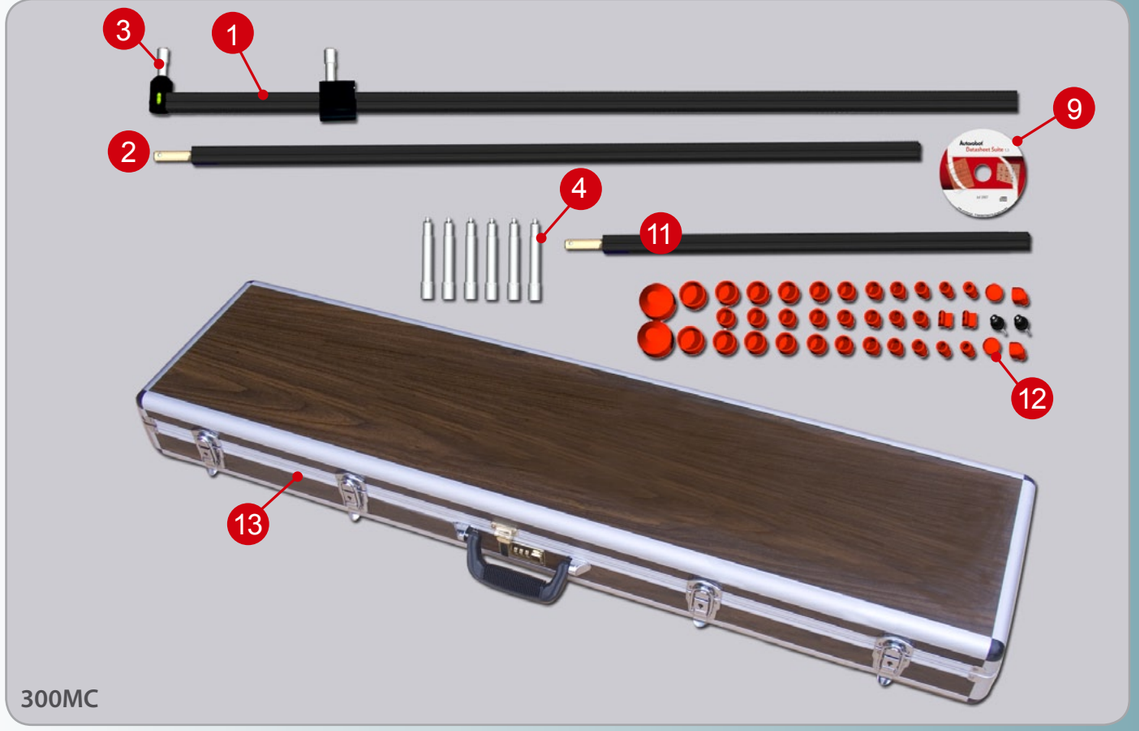
Autorobot®



300MB		Pc
1.	Measuring tram, mechanical, 1,2 m	1
2.	Tram extension, 0,9 m	1
3.	Holder for measuring rod, 50 mm	2
4.	Measuring rod extension, 100 mm	4
5.	L point	2
6.	Measuring angle (90°)	2
7.	Large apex	2
8.	Small apex	2
9.	Autorobot Datasheet Suite cd-rom	1
10.	Plastic container	1

300MC		Pc
1.	Measuring tram, mechanical, 1,2 m	1
2.	Tram extension, 0,9 m	1
3.	Holder for measuring rod, 50 mm	2
4.	Measuring rod extension, 100 mm	6
9.	Autorobot Datasheet Suite cd-rom	1
11.	Tram extension, 0,5 m	1
12.	Measuring instrument set	1
13.	Carry case	1

Cali-Measure



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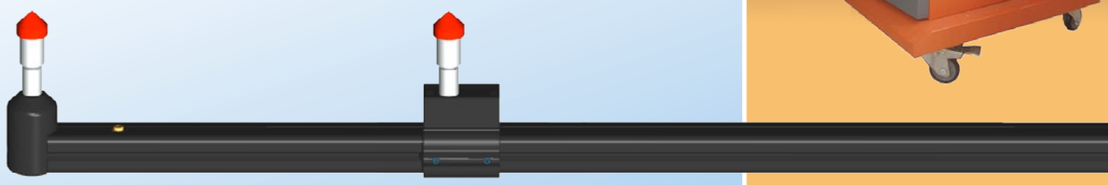
Autorobot®

Cali-Tram / Cali-Measure
Mechanical measuring tram



Technology from FINLAND

Autorobot®

MECHANICAL 2D MEASURING

Mechanical 2D measuring tram

Mechanical measuring tram for exact verification of vehicle chassis and body condition, for repair and damage documentation. Mechanical measuring gauge makes repair quick and economical.

Applicable everywhere

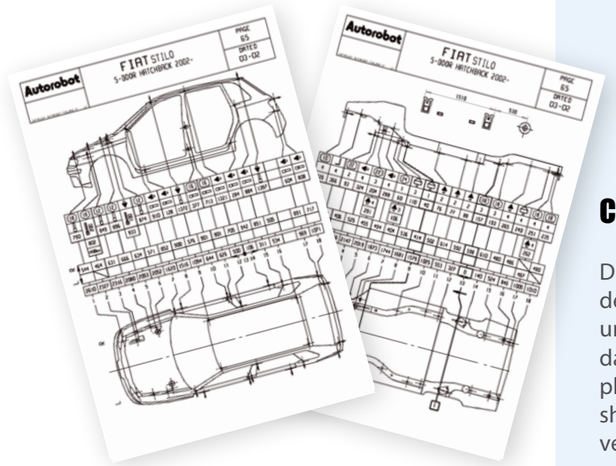
2D measuring of the car can be done for example on the body shop yard or on a post lift when estimating the vehicle's repair cost, or during straightening work when the car is mounted in a frame bench of any kind, or when the car has been brought in an inspector's office to be certified for roadworthiness.

Areas of use

Mechanical measuring tram is suitable for measuring passenger vehicles, cross country vehicles and vans, and it's most essential purpose is to serve body shop diagnostics and structural vehicle repair. Easily portable with the carry case or plastic container, it is easy to move around.

Damage estimation and use

Measuring with mechanical measuring tram makes vehicle straightening work quicker and ensures the quality of your work. Measuring tram's technique is supported by Autorobot's own, very comprehensive vehicle data files (approximately 60 reference points per vehicle). New measuring software instructs with photos (newest datasheets) to find the right measuring points.

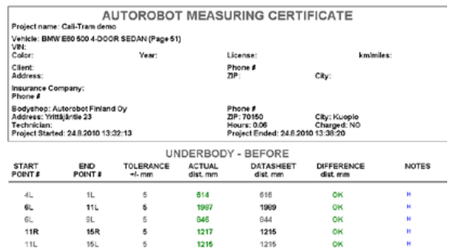


The measurements are taken between the measuring targets. The results are entered in the computer into the measuring software that saves the measured values in the database and shows the differences compared to car manufacture's values. The saved measuring values can be printed in separate reports before of after the chassis and upper body repair.

Quality control

Measuring data files include the measurements of car body as well, so the quality of the entire vehicle body can be easily checked. The measuring information including photos of the measuring targets (newest datasheets) makes the use of mechanical measuring tram very easy.

Mechanical measuring tram can perform several special functions: symmetry measuring, cross measuring, distance and width measuring etc. which help the body shop to accomplish a wide variety of jobs in minimum time.



AUTOROBOT MEASURING CERTIFICATE

Project name: Call-Trans demo
Vehicle: BMW E60 520 4-DOOR SEDAN (Page 51)
VIN:
Color: Year: License: km/miles:
Client: Phone #
Address: ZIP: City:
Insurance Company:
Phone #
Bodyshop: Autorobot Finland Oy Phone #
Address: Yrittäjäntie 23 ZIP: 70150 City: Kuopio
Technician: Hours: 0.06 Charged: NO
Project Started: 24.8.2010 13:32:13 Project Ended: 24.8.2010 13:38:20

UNDERBODY - BEFORE

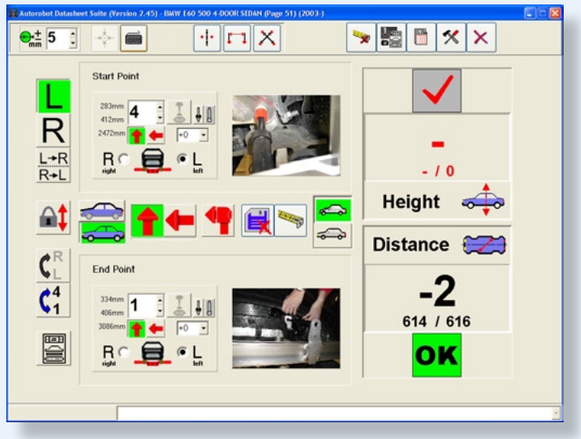
START POINT #	END POINT #	TOLERANCE +/- mm	ACTUAL dist. mm	DATASHEET dist. mm	DIFFERENCE dist. mm	NOTES
4L	1L	5	614	616	OK	"
6L	11L	5	1997	1969	OK	"
6L	8L	5	646	644	OK	"
11R	15R	5	1217	1215	OK	"
11L	15L	5	1215	1215	OK	"

Versatile measuring reports serve as certificates on professionally accomplished repairs. This is very important for the customer, insurance companies and vehicle inspection offices.

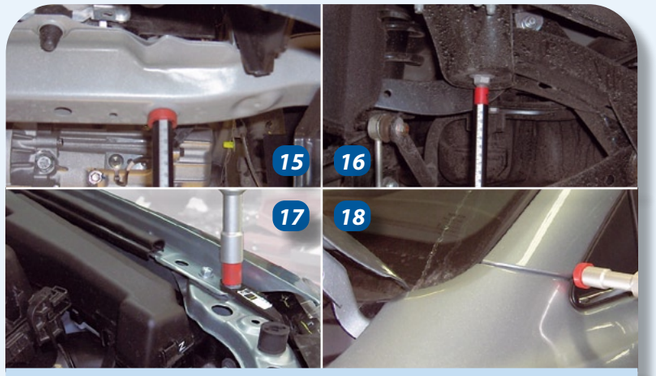
Autorobot®
MECHANICAL 2D MEASURING

Consistent quality control

During their long existence the Autorobot datasheets have developed very clear and easily conceivable, containing unique information on chassis and body measures. The data files consist of drawings and numerical information plus actual photographs on measuring points. Datasheets show also which measuring tool should be used for the vehicle point in question.



Measuring software uses large numbers, so the measuring process can easily be followed even at a distance. Measuring window indicates both reference value and actual value plus the existing difference. Results outside the accepted tolerance appear with a clear red arrow.



Detailed photographs on measuring points (newest datasheets) help the user to identify the datasheet points in practice. Details can be enlargened and printed out for review. Abundant data updates on new vehicles are available upon annual subscriptions via internet and on CD-ROMS.