SA 830 D³

TECHNICAL DATA

Working place	Can be used with wheel alignment platforms and pits
Width dimension	Approx. 600 mm per side in addition to outer rail dimensions
Power supply	Input voltage 100 to 240 V AC (10A) Input frequency 50 to 60 Hz Output 0.5 KW
Measurable vehicles	Cars and light trucks up to 3.5 t; wheelbases from 180 cm to 340 cm with standard plates on the rear axle, up to 480 cm with larger plates (optional) on the rear axle
Measurement values	Individual toe, total toe, camber, geometrical axis, axle offset, wheel setback, castor, KPI. Real-time camber and castor angle settings in lifted state even with reference system measured section interrupted; toe adjustment possible even with wheel turned
Run out compensation	Rolling run out, no longer necessary to jack-up the vehicle

STANDARD EQUIPMENT

- Movable cabinet
- PC with Windows XP operating system
- 19” LCD monitor
- Printer
- Data base and program
- 2 measuring sensors
- 4 board
- Steering wheel clamp and Brake lock

ACCESSORIES

Standard jaws kit with spoiler adjustment

Lift bracket in ground type

“Pro” mechanical plate

Lift bracket above floor type

LWB board

Sicam S.r.l. Società Unipersonale
A Bosch Group Company

Via della Costituzione, 49 - 42015 Correggio (RE) Italy
Tel. +39 0522 643.311 - Telefax +39 0522 637.760
e-mail: sales@sicam.it - http://www.sicam.it

SA 830 D³

SA 830 D³, 3D technology Wheel Aligner.
Simple measuring plates/ targets, which are mounted on the wheels, serve as sensors’ reference.
Sensors can be directly positioned on the central part of the lift or on the ground (when working in the pit).
Sensors are equipped with 2 cameras that allow a constant auto-calibration.
SA 830 D³ is the only stereoscopic wheel aligner: 2 cameras per wheel (8 cameras in total) grant for high performances.
The high reading frequency of the cameras allow to perform rolling run out driving the car.
SA 830 D³, 3D technology Wheel Aligner, easy and fast way to make a complete check of your car in a few minutes.

SA 830 D³

1 A single operation for rolling run out (also driving the car) and sensor initialization.

2 Two cameras are sighting every wheel.

3 Movable system; sensors and cabinet can bee easily displaced.

4 Two cameras reference system; avoid fixed assembling and calibration of the sensors.

5 Complete vehicle measurement in only seven minutes.

6 Shape and positioning of the sensors enable the use in small place and without needs of huge space in front of the working area.

7 Biggest target boards (optional) allow the measurement of light truck with wheel base up to 480 mm.

SICAM

TECHNICAL CHARACTERISTICS

- 3D Technology
- 10 measuring camera
- Windows XP operating system
- 19” LCD monitor
- Up to 30° maximum steering
- Rolling run out compensation (30°+30°)
- Data base with more than 35.000 vehicle and 65 car manufacturer
- Updatable data base
- 3 working mod : program assisted program, quick program, user defined program


Rolling run out

Adjustement with instruction


Printout

MEASURING SYSTEM

SA 830 D³ is a 3D measuring system based on the triangulation’s principle.
Simple measuring plates/targets are mounted on each, single wheel.
During run out compensation routine the pattern of point on the target are determined In order to determinate the pattern of point on the plates sensors’ positioning, it is necessary to perform the run out compensation, always. Every wheels are sighted by two cameras. Considering both cameras’ angle and distances the 3D measuring system can easily calculate both the distance of the measuring points and the wheel angles one. 3D measuring system combined with cameras’ stereoscopic technology is the easiest way for quick and reliable measuring operations.