AccuScan Bench-top Measurement System

The AccuScan bench-top measurement system enables you to quickly and easily setup an off-line part measurement system to check samples and track, manage, and analyze critical product data. This simple low-cost solution is ideal for use in a lab or at a production floor QC station.

Single-Axis and Dual-Axis Diameter & Ovality Measurement

The AccuScan bench-top measurement system can be equipped with Beta LaserMike's compact and highly accurate diameter and ovality gauges, such as the AccuScan 4012 single-axis gauge and AccuScan 5012 dual-axis gauge. AccuScan gauges offer high-speed and submicron accurate measurements on opaque and transparent products, as well as easy integration techniques with flexible communication protocols. All gauges can be equipped with an optional ultra-bright display. Or, you can use the powerful bench-top measurement system with Beta LaserMike's AccuNet software for total control of the off-line part/sample inspection process.

Optional customized bases and part fixtures are available to ensure rapid and accurate mounting of the part. You can easily setup and connect gauges directly to an optional PC either through USB or Ethernet.

4-Axis Measurement

The AccuScan Bench-top measurement system is also available in a 4-axis configuration for multi-axis, off-line part measurement applications. As compared to the dual-axis system, the 4-axis system uses two AccuScan gauges and checks parts in two locations with axes 45° apart. The AccuNet software provides the ovality at each location, as well as the overall ovality of the part.

Model	OD Range	Gate Size	Accuracy
AccuScan 4012 Single-Axis	0.1–12 mm (0.004–0.47 in.)	16 mm (0.63 in.)	±0.0005 mm[1] (±0.000020 in.)
AccuScan 5012 Dual-Axis	0.1–12 mm (0.004–0.47 in.)	16 mm (0.63 in.)	±0.0005 mm[1] (±0.000020 in.)

Highly Flexible Communications

- AccuScan 4012: Ethernet IP, RS-232, DeviceNet, Profinet, Profibus[2], and Analog/Digital[2]
- AccuScan 5012: Ethernet IP, RS-232, DeviceNet, Profibus, CanOpen, and Analog/Digital[2]

[1]±0.02% of product size [2]Optional connections

Applications Versatility

The AccuScan bench-top measurement system is used in the wide range of industrial applications, including:

- Discrete parts
- Wire
- Cable
- Fiber Optics
- Tubes such as medical, automotive, and heat-shrink

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www.betalasermike.com

Economical and User-Friendly Off-Line Part Measurement System

Optional ultra-bright display to easily view measurement data

AccuScan 4012 shown with wire sample in V-block for off-line sample/part inspection

AccuScan 4012 shown with tube sample in V-block

4-axis measurement system with two 5012 AccuScan gauges

BETA LaserMike
Measured by Commitment

AccuNet Software

Working in synchronization with the AccuScan gauges, Beta LaserMike's AccuNet software enables you to efficiently generate trend charts, perform SPC functions, and log critical product measurement data. This user-friendly software also allows you to store multiple part recipes and includes simple run menus and color-coded displays for intuitive access to functions and display of data. Color trend displays give you an "at-a-glance" indication of part variation. Data is collected and logged into Microsoft® Excel for further analysis.

Specifications

Computer System & Hardware Requirements

- IBM PC or compatible, 2.0 GHz processor
- Operating System - Microsoft® Windows XP or Vista
- Monitor - 19" widescreen monitor
  - Check with your BLM specialist for industrial PC options
- RAM - 1 GB
- Hard Drive - 80 GB
- Input Options:
  - USB: Using single or multi-port USB-to-DB9 serial convertor
  - Ethernet: Using 5-port Ethernet switch
- Optional:
  - Microsoft® Excel or Office

Gauges

- AccuScan 4012 gauge
- AccuScan 5000 series gauges

AccuNet Features and Benefits:

- Centralized location for data acquisition and logging
- Menu-driven Windows™ interface makes operation simple and minimizes set-up time
- Data-logging capabilities into Microsoft® Excel
- Recipe storage provides effortless gauge configuration for any number of product types
- Color trend displays give an "at-a-glance" indication of part variation

About Beta LaserMike

Beta LaserMike provides integrated process control solutions using a wide range of non-contact measurement technologies designed to improve product quality and reduce manufacturing costs. These solutions provide in-process dimensional monitoring, control, and sample/part inspection of products such as wire and cable, fiber optics, metals, rubber and plastic, flat rolled goods, tube and pipe, and other manufactured goods. Our solutions offer a number of advantages over contact and other non-contact gauging systems.

Our technologies and highly recognizable brands include AccuScan for laser scanning diameter measurement, UltraScan for ultrasonic wall and eccentricity measurement, CenterScan for eccentricity measurement, LayScan for lay length measurement, LaserSpeed for non-contact length and speed measurement, BenchMike for off-line sample inspection, and DataPro for process control.

Every system is backed by Beta LaserMike's world-class service and support organization. With offices around the globe, we're committed to serving your unique measurement application needs.

For more information, contact a Beta LaserMike representative near you.

BETA LaserMike

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