

Metrology Division

Concept Machine Tool Sales, Inc. Product Spotlight



AMETEK

CHATILLON TCD225 Series
Digital Force Tester



The CHATILLON TCD225 Series is an *advanced force testing system* optimized for production, quality control and engineering applications. It consists of a powerful, yet easy-to-use console; a rugged frame with high performance, closed loop motion control; and an intelligent load sensing system with measuring accuracies better than 0.1% full scale.

Features

Advanced Yet Simple to Use Test Setups

- Limit Testing (load, distance, time)
- Break Testing
- Cyclic & Loop Testing
- Multi-Stage / User Defined Testing
- Height Measurement

Advanced Operator Control Console

- Simple Operation with Menus, Templates & Prompts
- Secure Access
- Tabular and Graphical Results
- Embedded SPC
- Ergonomic Design, Position for User Comfort
- Large, Color Display
- No Computer Required

PID Closed-Loop Motion Control

- Precision Position Accuracy
- Speed Accuracy Better than 1%

1000Hz Data Sampling and USB Output

- Save Data to Flash Drive
- Export Data Directly to Excel or OLE2 Formats

Large Working Area

- Ideal for Large and Small Samples
- T-Slot Table Design Supports Custom Fixturing

Barcode Automatic Operation

1 Year Warranty

Accuscan™ 5000 Series In-Process Diameter Measurement Advantage

The Accuscan 5000 sensor head is, of course, the foundation on which you can build your application-specific system. And no matter how you configure it, you'll always have these outstanding performance characteristics:

- High accuracy, low drift measurements
- Rugged case construction sealed to NEMA4 and IP65 standards providing continuous operation
- Accurate measurement regardless of where the product is positioned within the measuring gage

Features

- High scan rate of 2400 scans / second for better process monitoring
- Ultra-bright integrated display and operator interface
- Robust, field proven design for reliable operation under harsh
- High-performance optics with standard per facet calibration for the highest achievable accuracy
- Integrated air purge for extended operation
- Flexible communication for easy integration anywhere



ELEKTRA Optima 600 Height Master



Standard Features

Optima 600 - Ball Probe of diameter 10 mm x length 55 mm, Setting Master, Adaptor, Operation Manual, Plastic Cover.

Specifications	Optima 350	Optima 600	Optima 1000
Measuring Range	350 mm	600 mm	1000 mm
Expandable Range	710 mm	950 mm	1350 mm
Resolution	0.0005 mm	0.0005 mm	0.0005 mm
Repeatability			
On planes	0.003 mm	0.003 mm	0.003 mm
On bores	0.004 mm	0.004 mm	0.004 mm
Accuracy	0.004 mm	0.005 mm	0.012mm
Squareness	0.007 mm	0.007 mm	0.015 mm
Battery back up time	8 hrs. (rechargeable battery)		
Display	Graphic LCD		
Weight	24 kg approx.	28 kg approx.	40 kg approx.

SALIENT FEATURES

- Motorized movement of the probe
- RS 232 Serial port & parallel - printer port
- Air bearings (with in-built air pump)
- mm/inch conversion
- Date and time settings
- User-friendly console with audio/visual indications

MEASUREMENT FEATURES

- One dimensional measurements
- Auto/Manual squareness measurement
- Flatness and run-out measuring function
- 3 Reference points
- Switching over between any two reference points
- Measurement of groove width, edge & center distance
- Measurement of inside & outside diameters, with center distance and difference between center distances.

DMS 680 Universal Measuring System - Gage Inspection

- Plain Plug Gage
- Plain Ring Gage
- Thread Plug Gage
- Workshop Slip Gage
- Snap Gage
- Pipe Thread Plug and Ring Gage
- Bore Gage
- External Micrometer
- Internal Micrometer
- Comparators
- Electronic Probe
- Lever Type Comparator
- Spline Gage with Involute Profile and Tooth Gage

**Large Range (0-27")
Top Accuracy
0.00001" Resolution**



For the inspection of hard-solid gage, reference gage, master and different gages including plug gage, ring gage, thread plug gage, thread ring gage, gage block, snap gage, pipe thread gage, spline gage, external micrometer, internal micrometer, dial indicator and electronic probe.

LCD Zoom Microscopes

Features

LCD Monitor

- Viewable 8"
- Native resolution 800x600
- Dot pitch: 0.297mm
- Contrast 300:1
- Viewing Angle: about 150 degrees
- Response Time: < 25ms
- Brightness: 250cd/m²
- Video Output: BNC (PAL / NTSC)

Optics

- Total magnification: 3.3X - 147X
- Zoom body: 0.7 - 4.5X, with detents
- Zoom ratio: 1:6.5
- Optional objective lens: 0.3X, 0.5X, 0.75X, 1X, 1.5X, 2X
- 3D attachment: 35 degree for 0.75X objectives lens

Accessories

- LED ring light: DC 12V, 0.5mA
- LED ring light with adjustable brightness
- Optional illuminator is available
- Laser pointer: DC5V
- Body size: 76mm, suitable for all microscope stands, boom stands and flexible arm stands
- Power supply: 85-265V, 50/60Hz

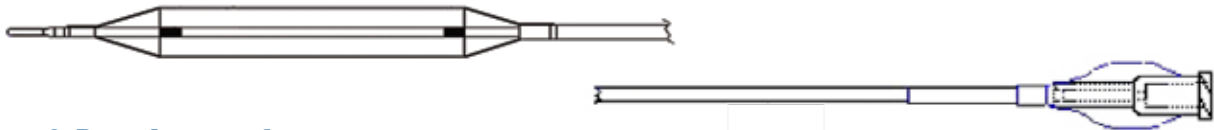
FOCUS
Precision Instruments



Compact and light weight, low power consumption, 16MS high definition color, Intelligent screen image setting, high contrast and brightness.

Complete Equipment Line for Balloon Catheter Production

- Vertically-integrated offering targeted at balloon catheter production
- Balloon catheter production equipment
- Tubing extrusion specifically designed for balloons
- Balloon catheter design and development



Design & Development

With over 2,000 balloon designs in a wide range of materials in their balloon development database, they love the experience and expertise to design and develop your next balloon catheter. Using Interface Associates designed balloon forming and production equipment, their extruded tubing specifically designed for balloon forming and in-house machines shop for tooling and dies, they offer a full range of design and development services from rapid prototyping to full production capability.

Production Equipment

If you are looking for the world's best balloon catheter production equipment Interface Associates offers a complete range of production and test products. Starting with the state-of-the-art balloon forming equipment, their products will help you increase yields, improve quality and extend the range of balloons and catheters that can be produced. For example, Interface Associates specialize in balloon forming equipment that will produce the longest and largest balloons required to deliver the latest technology.

Materials Lab

The quality of any product starts with materials. Interface Associates offers a full range of materials analysis including Differential Scanning Calorimetry (DSC), Dynamic Mechanical Analysis (DMA) and Tensile Testing (UTM), for evaluating and testing the materials used for their extrusion and balloon catheter products. This provides them with the ability to fully exploit material strengths in their design process, as well as improve lot-to-lot consistency in production.



Balloon Forming



Trimming - Square Cutting



Marker Band Swaging



Welding



Conversion Bond - Tipping



Hypo Tube Jacketing -
Tube Necking



Testing & Inspection



Fluting - Wrapping

CONTACT US FOR ADDITIONAL DETAILS OR QUOTATION

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