



ACCURATE

Partnering Quality



PRODUCT PORTFOLIO

Certified Partner For



CERTIFIED
ISO 9001



www.accurategauging.com

Making in India... for the World

Accurate is a pioneer in design, engineering and manufacturing of precision measuring instruments in India. Established in 1963, Accurate has evolved over 6 decades from providing basic measurement systems to being a leading indigenous manufacturer and preferred provider of a diverse range of world-class measuring solutions for the manufacturing industry.

With a state-of-the-art infrastructure developed over the past three decades, Accurate Gauging has accomplished the position of an expert, trusted source in offering sophisticated measuring instruments and services, with special focus on 3D Coordinate Measuring Machines (CMMs).

OUR STRENGTHS

GLOBAL TECHNOLOGY, LOCAL ADVANTAGE

We are proud to 'Make in India' and serve our customers globally by partnering in the pursuit for Quality in manufacturing. We are also passionate about taking up local challenges to provide relevant, cost-effective and indigenous solutions.

Our independent and versatile measurement capabilities, continue to be instrumental in India's progress towards becoming a recognised manufacturing hub.

STATE-OF-THE-ART INFRASTRUCTURE

Accurate is amongst the few notable companies in the world with vertically integrated manufacturing facilities from processing Granites for high-dimensional stability machines, to application software, our processes combine best-in-the-class practices with proven skills. We strive to constantly innovate precision equipment and solutions delivery for several high-in-demand customers.

END-TO-END CAPABILITIES

At Accurate Gauging, we make every component and instrument in-house; from preparing an inspection plan, to designing, engineering and manufacturing a solution. We bring the best value for our customers with years of experience and understanding of complex measurement tasks.

With innovation and intelligence at the fore; along with a strong, driven and talented team, we are known amongst international players and export to advanced countries.

DESIGN

Our dedicated team of engineers are mentored by international experts with decades of experience in advanced design and simulation tools, to create state-of-the-art solutions to address our customers' measurement challenges.





MANUFACTURING

A manufacturing structure allows us to handcraft our own high dimensional-stability granite bases and guideways to the highest precision, as well as make our own key parts, such as air bearings through advanced micro-machining processes.



SYSTEM INTEGRATION

We have proven expertise in integrating various measuring solutions & sensors together with a load-unload system and part-loading fixtures for inline production. We also augment our machines with task specific application softwares to help our customers get the most efficient application.

TURNKEY PROJECTS

We undertake turnkey projects including preparation of the foundation, part load-unload systems and the environmental room for appropriate installation of machines on your shop floor. We help our customers maximise their measuring system capability by supporting fixturing of the parts and load-unload system.

CALIBRATION

Our accredited laboratories under ISO/IEC 17025 provide gauge calibration and part inspection services throughout key industrial centers. Advanced calibration artifacts enable our technicians to maintain traceability of our customers' measuring machines at par with international standards.

THIRD PARTY MEASUREMENT SERVICES

Our trained quality technicians provide you third-party onsite services to monitor incoming or outgoing quality of your machine parts using advanced QMS solutions. Our AUKOM certified CMM programmers can assist in preparing CMM part programs in advance for use on any make of CMM.

TRAINING

Our skill development academy offers training programs for operators and engineers in various areas of quality – MSA, SPC, GD&T as well as equipment specific AUKOM training for CMMs.

QUALITY 4.0

We help you take corrective actions based on Real time data on the shopfloor. Our solutions are industry 4.0 ready . Together with our technology partners we provide advanced capabilities for Edge processing on the machine as well as built traceability in every measurement operation.

Accurate pioneered the manufacture of CMM's in India. A state of art design coupled to high precision mechanical accuracies of our machines provide a perfect solution for application in the Automotive, Railways, Aerospace, Defence, Power, Medical, Education and General engineering industry segment.

SPECTRA

Innovative series with power packed features for 3D measurement of small parts as well as for training purpose. Designed for ease of operation and safety ensuring optimum performance.

Feature

- Proven design with all granite construction for stable performance, Wrap around air bearing construction for high acceleration and stability.
- Zero hysteresis belt drive for smooth repeatable movement
- X & Z axes guide ways made hollow reducing mass to achieve high acceleration
- In built Y axis for better homogeneity of material
- High resolution reader Head for better accuracy



Technical Specifications

Model	Spectra
Measuring range X axis	500 - 800mm
Y axis	600 - 1500mm
Z axis	400 - 600 mm
Mode of operation	CNC
Max. Workpiece weight (kg)	250-500
Accuracy MPE_E (as per ISO 10360 - 2 in μm)	$2.2 + L / 350$ $1.9 + L / 350^*$
Resolution (in μm)	0.5 / 0.1
Guideway	Air bearings on all axes
Linear Velocity	400 mm/s
Volumetric Velocity	700 mm/s
Measuring table (Material)	Granite
Probing option	TP 20, TP200, SP 25M, Laser scanner
Probe heads	MH20, MH20i, MH8, MH, PH10, PH20

* Custom built range.

* Enhanced accuracies in Spectra Models

CORDIMESUR



Feature

- All granite guide ways ensuring uniform thermal stability
- Pre-loaded air bearings to ensure proper gripping
- In built Y axis for better homogeneity of material
- Toothed belt drive inducing zero hysteresis
- High resolution read head for better accuracy

Technical Specifications

Model	Cordimesur	
Measuring range (mm)	X axis	1000
	Y axis	1500-2500
	Z axis	800
Mode of operation	CNC	
Clearance under bridge (mm)	750	
Max. Workpiece weight (kg)	800	
Accuracy MPE_E (as per ISO 10360-2 in μm)	2.5 + L / 350 1.9 + L / 350*	
Resolution (in μm)	0.5 / 0.1	
Guideway	Air bearings on all axes	
Linear Velocity	400 mm/s	
Volumetric Velocity (3D)	692mm/s	
Measuring table (Material)	Granite	
Probing option	TP 20, TP200, SP 25M, Revo, Laser scanner	
Probe heads	MH8, MH, PH10, PH20, SP80	

* Custom built range.

* Enhanced accuracies in Cordimesur Models

MEGA

Large measuring range bridge type CMM. Using special techniques for machining and grinding of the granite guides, we are able to achieve accelerations similar to lighter construction machines with further benefit of naturally stabilised material.



Technical Specifications

Model	Mega		
Measuring range (mm)	X axis	1200	1500-1700
	Y axis	1500-2500	2500-4200
	Z axis	1000	1200-1500
Mode of operation	CNC		
Clearance under bridge (mm)	950		1600
Max. Workpiece Weight (kg)	1000		4000
Accuracy @PE ₀ (as per ISO 10360 - 2 in μm)	2.5 + L / 350		3.5 + L / 350
	2.2 + L / 350*		3.0 + L / 350
Resolution (in μm)	0.5 / 0.1		
Guideway	Air bearings on all axes		
Linear Velocity	350 mm/s		300 mm/s
Volumetric Velocity (3D)	600 mm/s		520 mm/s
Measuring table (Material)	Granite		
Probing option	TP 20, TP200, SP 25M, Rev0, Laser scanner		
Probe heads	MH8, MH, PH10, PH20, SP0		

* Custom built range.

* Enhanced accuracies in Mega Models

ACCORD



Gantry CMM

- For inspection of large components with high accuracy performance
- Open Access Structure enable easy inspection of large scale parts
- High precision Air Bearings in all axes
- Zero hysteresis drive in all axes
- Can be interfaced with rail system for loading and unloading of large components



Technical Specifications

Model	Accord
Measuring range (mm)	X axis 2000 - 3000 mm
	Y axis 3000 - 8000 mm
	Z axis 1500 - 2000 mm
Mode of operation	CNC
Accuracy MPE_E (As per ISO 10360-2)	$5 + L/200^*$
Resolution	0.1 μ m
Linear Velocity	250 mm/s
Volumetric Velocity (3D)	430 mm/s

* Custom built range.

* Enhanced accuracies with high accuracy probing options.

ATAL



Features

- Designed for use in Modern shop floor for Inline or near line measurement solution.
- Elevated Bridge
- All Granite construction
- Small foot print.
- Light weight and Stable Mechanical construction of Machine.
- Designed to work with Robotic/ automatic load unload systems.
- Linear motion Guides in all axes, ensures longer life.
- Thermally inherent Scale for shop floor environment
- Automatic Temperature compensation.
- Touch trigger/ Continuous scanning/ Laser probing options/5 axis Probing
- Plug & Play Installation.
- Easy to relocate on shop floor
- Industry 4.0 ready: OEE, Alerts, SPC display.

Technical Specifications

Model	Arminax	
Measuring range (mm)	X axis	500 mm
	Y axis	500 mm
	Z axis	400 mm
Mode of operation	CNC	
Accuracy MPE_e μm per ISO 10360-2)	2.2 + L/300 μm	
	2.4 + L/300 μm	

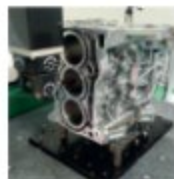
Compatible with Scanning and Touch Trigger probing systems

ENDURO



Features

- Designed for use in Modern shop floor.
- Industry 4.0 ready: OEE, Alerts, SPC display. IPC can be added feature.
- Touch trigger/ Continuous scanning/ Laser probing options.
- Designed to work with Robotic/ PLC integration of automatic load unload systems, Flexible 3 Way Accessibility.
- Linear motion (LM) Guides in ALL 3 axes.
- Extra 200 MM provision in Z axis for part holding fixtures.
- Max part weight 200 Kgs.
- Automatic Temperature compensation.
- First ever 5 Axis Probing Shop Floor CMM.
- Flexible change racks for automated changing of scanning and touch-trigger modules.
- Inline or near line measurement solution.
- Robust scale for shop floor Environment.
- Plug & Play Installation.
- Small foot print



Technical Specifications

Model	Armmax	
Measuring range (mm)	X axis	700 mm
	Y axis	600 mm
	Z axis	500 mm
Mode of operation	CNC	
Accuracy MPE_E (As per ISO 10360-2)	2.5 + L/300 μm	
Resolution	0.1 μm	
Guideway	Linear Guide ways	

Compatible with Scanning and Touch Trigger probing systems



SEAGULL



Feature

- Shop floor environment operation
- Available in single or double machine configuration
- High precision linear guide ways in all axis
- New generation composite material in Y axis reducing droop of arm
- Advance spring balance system for Z axis counter balancing



Technical Specifications

Model	Seagull
Measuring range (mm)	X axis 2000 - 10000 mm
	Y axis 1200 - 3500 mm
	Z axis 1600 - 2500 mm
Mode of operation	Motorised / CNC
Accuracy MPE_z * (As per ISO 10360.2) Single Arm	$25 + L / 50 \mu m \leq 75 \mu m$
Resolution	0.5 μm
Guideway	Linear Guideways
Max. 3D Pos. Speed	700 mm/sec

* Custom built range.

* Enhanced accuracies with high accuracy probing options.

ACCUFLEX

Portable articulated arms CMM, ideal for quick and accurate inspection of parts within its range on shop floor environment. Accuflex EXPLORER to measure large volume in Range 5m to 9m High accuracy Accuflex Plus models

Wide Range

1800mm 2500mm 3200mm 4000mm 5000mm 7000mm 9000mm

Feature

- Portable articulated Arm
- 6 axis or 7 axis configuration
- Counter balance System
- Preset for interchangeable probes
- Certification as per ISO 10360-2/ B89.4.22
- Flexibility for use of Touch Trigger Probe, Floating Probe, Laser Scanner & Laser Forks
- Ideal CMM for reverse engineering & tube



Applications

Automotive Sector: Part Inspection, Alignment, Tool Building & Certification

Aerospace Sector: Part Inspection, Tooling & Mold Certification, Alignment

Mold & Die Sector: Prototype Scanning, Mold and Die Inspection

Metal Fabrication Sector: Periodic Part Inspection, First article inspection



Technical Specifications

Model	Accuflex plus			
Measuring range (mm)	1800	2500	3200	4000
Point Repeatability (mm)	0.012	0.016	0.020	0.024
Volumetric Accuracy (mm)	0.020	0.026	0.036	0.046

EVISCAN

The Blue Structured Light Optical Scanner



Optima+ M



Quadro+



Fine Precision

Feature

- Non-contact data capturing capability
- Full field measurement with deviation thermal colour plot
- High speed data processing.
- Universal scanning range
- Faster measurement and analysis
- Easy integration with Robots and Cobots
- Compact and Portable design

Technical Specifications

	Optima+ M	Quadro +	Fine Precision
Light source type	Blue LED	Blue LED	Blue LED
Number and type of cameras	2 x 7 Mpix	2 x 12 & 2 x 9 Mpix	2 x 8.9 Mpix
Scanning accuracy according to DE VDI/VDE2634 Part 2, 4.1 F	up to 0.009 mm	up to 0.007 mm	up to 0.006 mm
Scanning time	1.2 second	1.2 second	1 second
Measuring range	320x190x120mm	Inner:220x160x90mm Outer:450x225x180mm	120 x 60 x 32 mm
Points density	117 pt/mm ²	Inner: 351 pt/mm ² Outer: 88 pt/mm ²	1 233 pt/mm ²
Computer connection	USB 3.0		
Export formats	stl, ply, obj, asc, bin		
Hardware requirements	Windows 10 (64 bit), 32 GB RAM, CPU i7		
Software	evXscan 3D Suite		

ACCU TRACK 3D



Features

- Flexible & Mobile 3D Tracking and Measuring System
- Easy to Install & Start-Up
- Plug & Play Measurement Software
- No Regular Calibration Required
- Software Tool for on-Site Probe Calibration Correction



OPTIME



Features

- Fast, accurate and flexible.
- Optical measurement systems based on stereo vision and Photogrammetry with high-resolution digital cameras.
- Designed for surface Scanning and Reverse Engineering.
- From Object to CAD model. Million points are acquired in few seconds. Possible to use "passive" mode for edge, holes and slots detection.



Models : Small range for scanning area upto 1000mm

Large Range for scanning area upto 2500mm

Options : Tripod or Robotic Mounted

Technical Specifications

Technical Data	Optime
Camera Resolution	5 Mpixel
Nominal Working Distance	800-1000mm (customizable)
Nominal Working Area	700 X 1000mm (customizable)
Points Cloud	5 Msample
Accuracy	0.02-0.1mm
Dimensions	505 X 220 X 105 mm
Weight	4.5 kg
Operating System	Windows 10 or 11

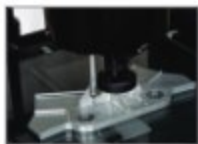
Applications: Composite, Plastic, Automobile & Aerospace

AIM



Feature

- Multisensor Measuring Machine
- High Intrinsic Mechanical Accuracy
- Modular and replaceable Sensor System
- Precision Drives and Sensors
- State of Art Image Processing Technology
- Multisensor Technology Includes Touch Trigger, Laser and Camera
- Light Source White LED
- User Friendly CAD based Software



Technical Specifications

Model	AIM
Measuring range (mm)	X axis 300-500 mm
	Y axis 300-500 mm
	Z axis 200-300 mm
Mode of operation	CNC
Accuracy (MPE _e *) (% per ISO 10360-2)	1.9 + L/250 mm
Resolution	0.1 µm
Guideway	CNC
(Max. 3D Pos. Speed)	200 mm/sec

VERTICAL PROFILE PROJECTOR

Screen diameter: 300 mm
Measuring Traverse: 200 mm x 100 mm
Measuring accuracy: $3 + L/100$ microns
Work piece load capacity: 20 kg
Max. Diameter: 150mm
Standard: 10x Tele centric lens
With fibre optic cables
Overlay Charts



HORIZONTAL PROFILE PROJECTOR

Screen diameter: 400 mm
Measuring Traverse: 250 mm x 150 mm
Measuring accuracy: $3 + L/100$ microns
Work piece load capacity: 40 kg
Max. Diameter: 175mm
Standard: 10x Tele centric lens
With fibre optic cables
Overlay Charts
Set of V Block with clamps
Tilting Support



VIDEO MEASURING MACHINE

Designed to facilitate fast and accurate measurement of mechanical parts, plastic injection moulding parts, electronic devices, dies and moulds.

CNC model has 3D video measuring capability with motorized X, Y & Z movement and motorized zoom lens Z axis measurement and auto focus are standard features



MEASURING SOFTWARE

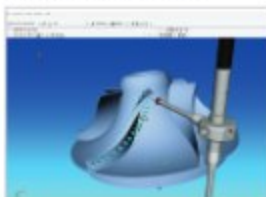
Software for reliable measurement in three dimensions, simple to use and easily upgraded. The software packages are available for wide range of measuring applications. The software options for Geometrical Measurement, CAD Comparison and Reverse Engineering Applications.

An advanced measuring system is completely integrated with a powerful CAD engine.

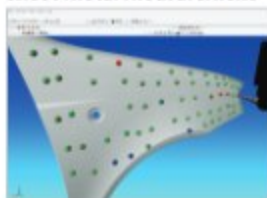
Prismatic Part Measurement



Air Foil Measurement



Sheet Metal Measurement



CAD Comparison



- Import of native CAD formats.
- Group management.
- Extracting geometrical elements from CAD.
- Inspection Path programming
- Alignment on free forms.
- Measuring surface edges in real time.
- Measuring and creating profiles.
- Optimisation of an existing reference.
- Graphical outputs
- Implementation of the native DMIS language
- Total solution for both prismatic and free form measurement
- Geometrical engine supporting neutral IGES format or native CAD interfaces.
- Powerful solution for single and dual arm CMM
- Integrated with articulated arms
- CNC controller and measuring instruments
- Offline graphical programming tools with simulation on the program
- Complete GD & T, geometric dimension and tolerances, as per ASME Y14.5 M 1994
- I⁺ compliant & PTB Certified algorithm
- Gear and Turbine Blade Measurement
- Complete compensation of the CMM errors
- Textual, Graphical and statistical output



MODULAR FIXTURING

Modular Fixturing for Child Parts/ Sub Assemblies

- Quick configuration and construction of a fixture.
- The ability to reuse the fixture elements in future projects.
- The fixtures can be supplied with software packages for design & validation.
- Prototype & initial sample inspection.
- Production control in connection with CMM.
- Prototype welding.

AccuFix system for small and medium parts support on 3D Coordinate Measuring Machines.



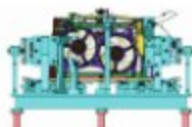
FIXTURES FOR SHEET METALS, TRIMS, UNDERBODY AND GLASS



Raster Plate
on Air Bearing

Front End Module
Checking Fixture

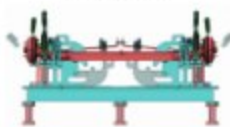
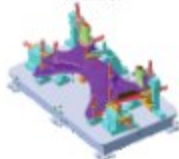
Tailgate Glass



Complete Assy. Cross
Member

Assembly Twist Beam
Checking Fixture

Assembly Front Glass
Aperture Checking Fixture



Assembly Front Wiper
Functioning Checking Fixture

Assembly Fuel Filler Neck
Checking Fixture

Assembly Strut Checking
Fixture



CALIBRATION MASTERS

Check Master

- Step Gauge in range 300/450/600/1000 mm.
- Measuring steps of 10 mm.
- Measurement Uncertainty of calibration (1+1.5 X 10⁻⁶L) Microns.
- Optional swiveling stand for positioning step gauge in CMM calibration.
- Optional software Cal-Check 1.0 for CMM calibration.



Segmented Ball

- Comply with ISO 10360 - 2 to verify 66% of maximum extension of CMM Measuring volume
- Verification of Bridge type & Horizontal Dual Arm CMM
- Solution for CMM with axis length between 3 m & 15 m
- Reference can be assembled & disassembled without losing



Quick Check Tetrahedron

- For rapid geometric accuracy checking of CMM
- The expanded uncertainty $U = 0.20\mu\text{m} + 0.50\mu\text{m} * L / \text{m}$.
- Available for different sizes of CMM with Tactile and multisensor and for tomography System



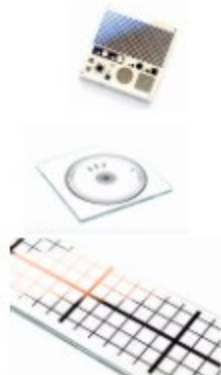
Reticules for Calibration

Calibration gratings, photomasks, Test Target and Collimators for the following applications.

Aerospatial, Microscopy, Optical Vision, Optoelectronics, Electronic industry, Biomedic and Lifescience, Sports and Defence, Metrology, Geodesic, High resolutions display units, Optic systems

Features:

- Pattern Accuracy: $\pm 0.001 \text{ mm}$
- Minimum Pattern dimensions: 0.002 mm
- The target produced on a variety of substrate (glass/ quartz/ steel/ Opal etc.) with different possible surface treatment



METROLOGY & QUALITY CONTROL EQUIPMENTS

EduCell
FOR MQC LAB

For Engineering & Technical Institutes

Feature

- Precision Measuring Instruments and 3D CMM
- Support for the college capital measuring equipment of for next 5 years
- Free training to college instructors for Precision measuring Instruments and 3D CMM
- Calibration of instruments by our NABL certified lab
- MSBTE Training Program
- Industrial Visits & Placement Support



FLOATING CARRIAGE MICROMETER



MEASURING PIN SET



DIAL CALIBRATION TESTER



3 WIRE MEASURING SET



STEEL GAUGE BLOCKS



DIAL SNAP GAUGE



CARBIDE GAUGE BLOCKS



ADJUSTABLE SNAP GAUGE

AIR GAUGES

E TYPE

Null balance Pressure Indication



Range	Least Range
+/- 0.010 mm	0.00025 mm
+/- 0.020 mm	0.0005 mm
+/- 0.040 mm	0.001 mm

C TYPE

Differential back pressure sensing



Range	Least Range
+/- 0.020 mm	0.0005 mm
+/- 0.040 mm	0.001 mm
+/- 0.060 mm	0.002 mm
+/- 0.080 mm	0.005 mm

AIR / ELECTRONIC COLUMN GAUGE

- Measures ID & OD diameter, straightness, Squareness and Taper
- 4 Rows 3 Color bar, Graphic Color LCD
- Resolution 0.1/2/4/10/40 μm
- Various measuring modes & histogram.
- (+, -, average, max-mm)
- RS232c communication >1/0 interface



DIGITAL DISPLAY UNIT

- 16 channel color TFT LCD type & touch panel.
- Various measuring modes & histogram.
(+, -, average, max-mm)
- High resolution | High reliability.
- RS232C output, I/O interface.
- SD memory (option)



MULTI-CHANNEL DISPLAY UNIT

- 1-32ch electronic Display Unit
- Measures height, thickness, inside/outside diameter, flatness,
- Various calculation modes (+, -, x, /, avg, max, mm M-m)
- High resolution & reliability
- PLC interface
- RS232c communication
- I/O interface
- EEPROM parameter backup



WIRELESS MECHANICAL BORE GAUGE

- Wireless (Bluetooth) portable bore gauge.
- Realtime value checking by 2" color TFT LCD.
- $1\mu\text{m}$ resolution
- $\pm 0.3\mu\text{m}$ repeatability.
- Built-in Li-polymer rechargeable battery.
- Strong at contamination.



CUSTOM GAUGING SOLUTIONS

- Accurate offers custom design & built solutions for measurement of high volume parts in production.
- Combining various sensor options like LVDT, Eddy current, Optical sensors and Camera, our solutions provide precision with through put.



Applications

- Connecting Rod
- Gear Housing
- Armament Shell
- Crank Shaft
- Gears
- Ammunition Cartridge
- Cylinder head
- Bearings
- Cylinder Block
- Piston



Gear Box Housing Shim Selection



Crankcase Measuring Machine



Brake Disc Measuring Machine



Auto Gauging System for Rail wheel axle



Camshaft Measuring Machine



Crankshaft Measurement with True Roundness and Harmonic Analysis



Auto Gauging, Sorting and Packing Systems MWM Caps



Auto Gauging, System for Barrel Bore



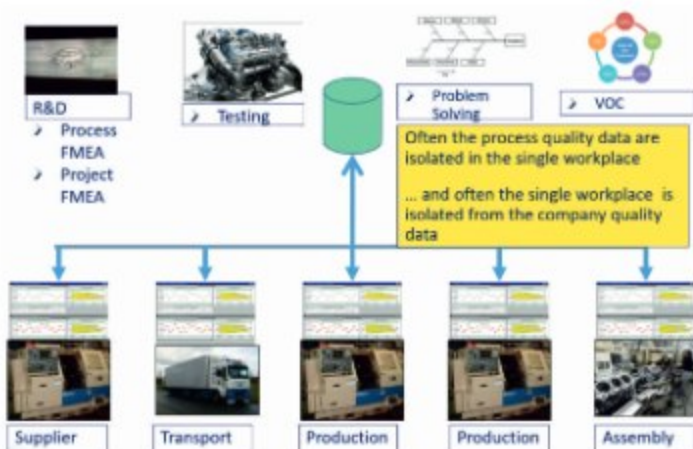
Auto Gauging, System for Measuring Gear Play in Synchromesh Gear Box



Features

- Web-based Digital Quality 4.0 Platform.
- Tablet/Desktop based measured data collection.
- Digital interface to devices like Vernier, Laser based gadgets.
- Wireless transmission of measurement data from devices.
- Eliminate manual intervention, hence eliminate errors and omissions.
- Condition based monitoring to initiate actions in real time.
- Customised Reports/ dashboards and SMS/Email Alerts

Connection of Real-time Data



THIRD PARTY INSPECTION SERVICES

- Firewall at Final Inspection Stage to insulate the defectives
- Receipt, In process Pre-dispatch Inspection, Dock Audit.
- Segregation of Inspected Parts and Containment Actions.
- Rework and Re-Inspection after rework.
- Root Cause Analysis for defects observed at Customer end in the vendor supplies.
- 8 D reports on defect elimination.
- PPAP at the vendors.
- Product / Process audits: In house or at your Supplier End.
- Remote Vendor Quality Management.
- Provide Smart Metrology solutions (SMS) for all shop floor needs.
- Provide Guidance and Consultation for all types of Quality Management needs.
- CMM & Operations.



SMART METROLOGY SOLUTION (SMS)

Designed to Integrate Real Time Intelligence in Manufacturing for Industry 4.0

Manufacturing is experiencing a digital revolution. With the technologies driving Industry 4.0- IIoT, AI, and cloud at the forefront – manufacturing has reached a critical tipping point.

Accurate SMS is a true Quality 4.0 solution platform developed ground-up with the needs and requirements of the manufacturing processes in mind. A very robust and scalable platform, it has digital Interface to field devices and other industrial assets to generate rich visualization and analytics.

Feature

PAPERLESS Q 4.0

- Wireless Interface with Instruments
- Eliminate Manual Errors and Omission
- E Capture
- Paperless Digital Platform Accessible anytime

DATA ANALYTICS AND ALERTS

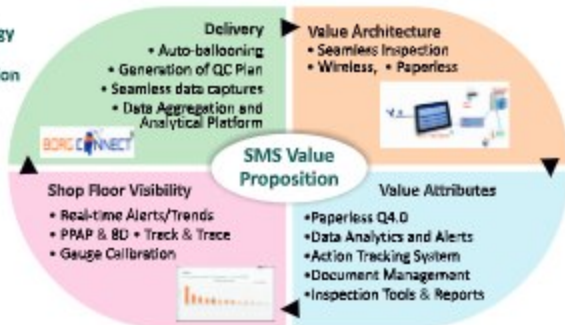
- E Alerts and Dashboards
- On Board Analytics for real Time Information
- Condition based monitoring

ACTION TRACKING SYSTEM

- IOT Gateway and server management
- Manage Corrective action Plans
- Responsibility Assignment and escalation
- Real time Status / Closure and tracking



Smart Metrology Solution (SMS) Value Proposition



TRAINING & CONSULTANCY

- Training as well as services in the area of dimensional measurement for Measurement System Analysis
- Evaluation of Measurement uncertainties.
- Consultancy services for NABL accreditation
- Setting up in-house calibration activity, etc.
- Understanding Fundamental
- Hands on Operation
- Understanding GD & T
- Correlation establishment on various CMM Makes



Training session for Customers

CMM OPERATOR TRAINING AND CERTIFICATION

Certified Partner For



- The objective of the training program from "AusbildungKoordinatenmesstechnik e. V - Aukom" is to ensure up to date, comparable, controllable and certificate training in coordinate metrology in accordance with its capabilities.
- The training develops, promotes and spreads the good measurement practices in CMM and furthers the Globalization of cooperation in coordinate Metrology Training.
- The program is meant for production Metrologists to improve their CMM knowledge for improving the reliability of measurement result and make it easier for right decisions.
- It also help in cutting down time and cost for delivering globally comparable measurement results.

Cross-Vendor Device-Independent & Tailored Training Coordinate Metrology



ACCREDITED CALIBRATION SERVICES



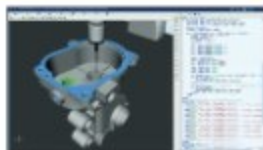
Accurate provides services in the areas of Gauge calibration and part inspection from its various locations in India. These facilities are accredited by NABL.

All calibration laboratories are well equipped to cater to Quality Management Systems as laid down by ISO 9000/QS 9000, TS 16949 etc. for gauge calibration and comply to ISO/IEC 17025 Quality standards.

Accurate is operating a network of NABL accredited calibration laboratories at Pune, Coimbatore, Chennai, Bangalore, Gurgaon, Nasik and Pantnagar for Instruments and Gauges in Linear Dimensional measurements and provides Gauge Management for OEM's and their suppliers using Database Management solutions

OFFLINE CMM PROGRAMMING SERVICES

Offline programming services in DMIS format to suit various software that are compatible with other CMM makes.



Feature

- Availability of different popular CMM software for offline programming
- Virtual DMIS, Rational DMIS, Arcocad, Polyworks, Power Inspect etc.
- Native DMIS programming
- Native CAD Import option for programming
- Catia V4/V5, Unigraphics, ProE, Solid work, IGES, STEP
- Powerful Workstation with Nvidia Quadro graphics to handle big size CAD model for programming
- Well Documentation for generation of tabulated Report as per customised requirement
- Pre plan of offline programming during manufacturing of part to get

CRIBWISE

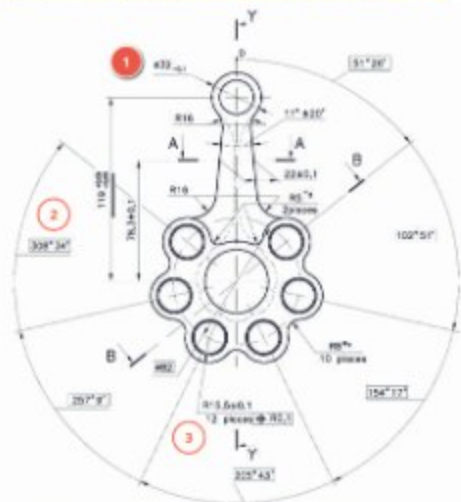
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Speed-up Quality Control tasks from Drawing Ballooning and QC Plan Creation through Inspection Data Collection, Analysis and Reporting to prevent defects.

Features

- PDF Drawing Auto-Ballooning
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- First Article Inspection, As9102
- CMM Data Import
- Incoming / Receiving/
- In-Process / Final Inspection
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- SPC (Process Control)
- Factory Defect Risk Monitoring
- Traceability
- NCRs, CAPAs, SCARs
- Gage Calibration

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