

Techno Gauging Solutions

Manufacture in Chennai

PRODUCTS

- Multi Gauges
- Air Plug Gauges
- Receiver Gauges
- Air Snap Gauges
- SPC Software
- Plain Plug Gauges
- Attribute Gauges
- Special Fixtures
- LVDT Probes
- Crank shaft Fixtures
- Analog Instruments
- Automation Systems
- Setting Ring Masters
- Connecting Rod Fixtures
- Air Electronic Instruments
- Electronic Instruments



Model TG5500



Model TG1100



Model TG5500



Model TG1000



Model TG2020



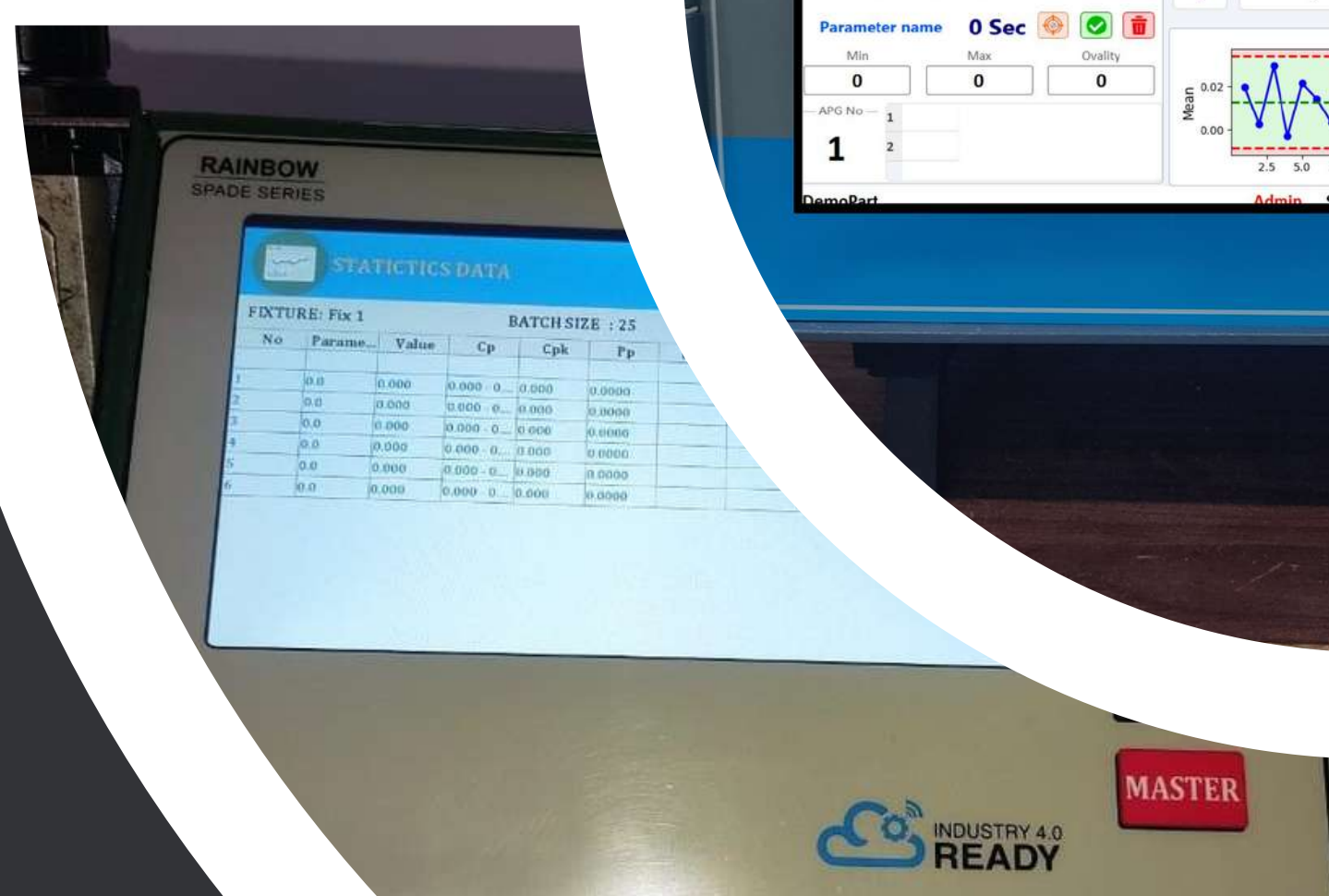
GSM ENGINEERS

Partner's In Manufacturing Of:

- CNC Machining
- Conventional Grinding
- PPG
- Setting Ring Masters



www.technogauges.com



ABOUT US At Techno Gauging Solutions, we are committed to excellence in the field of Gauging Metrology manufacturing. Established in 2025 under the leadership of our strong core team, G. Suresh Babu, He has a 25 years' experience in the metrology V. Sunil Kumar has an 11 Years of experience in gauging field R. Magesh has 11 years of experience in the gauging production's our company brings a fresh perspective to precision measurement technology.	WHO WE ARE Techno Gauging Solutions. specializes in designing, developing, and manufacturing advanced gauging systems for diverse industries. From STD precision instruments to precision customized solutions to make a productivity easier and effective with 100% quality output, we cater to the evolving needs of sectors like automotive, automobile & aerospace, manufacturing, and quality.	OUR MISSION Our mission is to redefine accuracy and reliability in measurement tools. We strive to empower industries by delivering innovative, high-quality & on time gauging solutions that enhance productivity, improve quality control, and ensure compliance with national & international standards.	OUR EXPERTISE With a strong focus on metrology and precision engineering, we manufacture a wide range of products, including: Air Gauges, Attribute gauges, Crank Shaft CD Fixture, Connecting Rod Fixture, Tailor-Made Gauges and calibration instruments Digital and mechanical measurement systems.
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WHY CHOOSE US?

- ✔ **Uncompromising Quality:** Every product undergoes rigorous quality checks to ensure superior performance.
- ✔ **Customer-Centric Approach:** We provide tailor-made solutions designed to meet your specific needs.
- ✔ **Innovative Technology:** Leveraging the latest advancements in metrology, we bring cutting-edge tools to the market.
- ✔ **Expert Team:** Backed by skilled professionals with extensive industry experience.

VISION FOR THE FUTURE

We aim to be a global leader in the gauging metrology sector, consistently setting new bench marks for innovation and excellence. At **Techno Gauging Solutions**, we believe that precision is the foundation of progress, and we are dedicated to helping our clients achieve their goals with unparalleled accuracy.

OUR PRODUCT

ProMetrix



Model TG800

ProMetrix devices provide 7" TFT displays with SPC features. These are mainly 2/4/8/12/16 input channel TFT display devices. Available in inductive probe and air input channel options. Below are some of the features.

FEATURE:

- ✓ 7" Color TFT display for clear viewing and graphical presentations.
- ✓ Grading option 3 colors / A B C (Optional)
- ✓ Auto correction interfacing with CNC machine (Optional)
- ✓ Interface Touch Panel.
- ✓ Relay output (ACCEPT / REWORK / REJECT)
- ✓ ProMetrix unit ensures a friendly interface with clear layout and user-friendly messages, making operation easy for all users.
- ✓ Low Air Pressure Alert. (Optional)
- ✓ Safe shut down Protects.
- ✓ Auto air saving (timer base Optional)
- ✓ SPC Features: Histogram, Run Chart, Pie Chart, Cp, Cpk, Pp, PPK etc.
- ✓ Easy Report Generation: ProMetrix unit simplifies the process of creating reports through its user-friendly interface. Users can effortlessly generate comprehensive reports in CSV format for easy sharing and viewing.
- ✓ RS232 Serial Port.
- ✓ LAN Output to transfer the data through LAN.
- ✓ Accuracy $\pm 1\%$ FSD.
- ✓ Least Count 0.0005mm, 0.001mm, 0.005mm & 0.010mm.
- ✓ Calibration remainder.
- ✓ Password protection.
- ✓ 8GB Data saving facility.
- ✓ Instrument enclosed in Robust and aesthetically designed aluminum housing.
- ✓ Virus free system.

Precision Pro



Model TG7000

The Tricolor bar graph along with the 6 digit 7 segment display is an easy tool for the operate to improve productivity. The user can set it for measurements in comparative mode. The tri-color bar changes color between green, red and yellow depending on the component status- OK, REJECT or REWORK. The tolerance values are superimposed on the bar for operator's assistance. Advanced micro controller-based hardware along with a very simple to understand menu makes it very user friendly.

FEATURE:

- ✓ Red digits 0.36".
- ✓ 2.8" TFT color display.
- ✓ Up to 10500 records can be stored internally with timestamps and programs and a second option up to 5 lakh records can be stored with SPC.
- ✓ Metric/Inch measurement unit.
- ✓ Static /Dynamic reading.
- ✓ RS232 Serial Port.
- ✓ The tri-color bar changes color between green, red and yellow depending on the component status- ACCEPT / REJECT / REWORK.
- ✓ Bar graph ranges from 10,25, 100, 250 and 500.
- ✓ Accuracy $\pm 1\%$ FSD.
- ✓ Least Count 0.0005mm, 0.001mm, 0.005mm & 0.010mm.
- ✓ Built-in air saver feature (Optional).
- ✓ Auto correction (Optional).
- ✓ SPC Features: Min, Max, Range, Avg, Cp, Cpk, Pp, PPK, Std Deviation, Mean etc.

Gauge Max



Model TG5500

FEATURE:

- ✓ Up to 10 programs can be done.
- ✓ Reading with bar graph.
- ✓ Least Count 0.0005mm, 0.001mm, 0.005mm & 0.010mm.
- ✓ Accuracy $\pm 1\%$ FSD.
- ✓ Total part count.
- ✓ Run chart with CP CPK Back End.
- ✓ Auto / Manual Air Saving.
- ✓ Scanner Option to scan QR / Barcode on the component.
- ✓ Data will be saved in Excel Data Formate.
- ✓ Relay output.
- ✓ RGY output (optional)
- ✓ Lan output (Optional)
- ✓ RS232 output.
- ✓ Punching machine output (Optional)
- ✓ Rejection bin sensor output (Optional)
- ✓ Air Saving with timer / Sensor.
- ✓ Cycle completion (Optional)

Nangage



Model TG1100

FEATURE:

- ✓ 1.0" Tricolor digit display.
- ✓ 16X2 Big font alphanumeric LCD display for settings and configuration.
- ✓ Data savings (optional)
- ✓ Program can be saved 10
- ✓ Least Count 0.0005mm, 0.001mm, 0.005mm & 0.010mm.
- ✓ Accuracy $\pm 1\%$ FSD.
- ✓ Air Saving timer/sensor any one (optional)
- ✓ Relay output (optional)
- ✓ RS232 output

Airsure



Model TG1000

FEATURE:

- ✓ 0.56" Tricolor digit display.
- ✓ 16X2 Big font alphanumeric LCD display for settings and configuration.
- ✓ RS232 Serial Port.
- ✓ Accuracy $\pm 1\%$ FSD.
- ✓ Least Count 0.0005mm, 0.001mm, 0.005mm & 0.010mm.
- ✓ Up to 21500 records internal storage with time stamp and program.
- ✓ Number for four channel units.
- ✓ Relay output (ACCEPT / REWORK / REJECT)
- ✓ Metric/Inch measurement unit.
- ✓ Built-in air saver feature (Optional)
- ✓ Auto correction (Optional)
- ✓ Rejection BIN interlock feature (Optional)
- ✓ Up to 16 manually selectable program settings.
- ✓ Grading option 3 colors / A B C (Optional) Io expansion required

Air Gauges

Air Plug Gauges

- ✓ With High and Low setting ring masters.
- ✓ Standard 2 Jet Air Plug Gauge.
- ✓ Type: Through Bore / Blind Bore / Super Blind Bore.
- ✓ Special 3/4 Jet Air Plug Gauge.
- ✓ Special 2, 3, 4, 5 Level Air Plug Gauge.
- ✓ Suitable for $\pm 0.040\text{mm}$ unit provided with 2.07/1.0/1.6/0.6 mm Air Jet.
- ✓ Suitable for $\pm 0.020\text{mm}$ unit provided with 2.07/1.0/1.6/0.6 mm Air Jet.
- ✓ Accessories: Extension to check deeper hole.
- ✓ Depth Collar and Bench Mounted Fixtures.
- ✓ Non-standard special Air Plug Gauge tailor made.
- ✓ Manufacturing range: 3mm to 200mm.



Air Ring Gauges & Setting Plug Masters

- ✓ Air Ring Gauge with Double Ended Setting Plug Master.
- ✓ Standard 2 Jet hand held Air Ring Gauges.
- ✓ Type: Central, Offset diameter & Special corner jet.
- ✓ Special 3/4 Jet Air Ring Gauges.
- ✓ Special 2,3,4 & 5 Level Air Ring Gauge Example: For engine cylinder block component.
- ✓ Suitable for $\pm 0.040\text{mm}$ unit provided with 2.07/1.0/1.6/0.6 mm Air Jet.
- ✓ Suitable for $\pm 0.020\text{mm}$ unit provided with 2.07/1.0/1.6/0.6 mm Air Jet.
- ✓ Accessories: Pedestal and Bench Mounted.
- ✓ Manufacturing range: 4mm to 150mm.



Air Caliper Gauge

- ✓ Air Snap Gauge with High and Low Setting Disc Master
- ✓ Standard 2 Jet hand held Air Snap Gauge
- ✓ Type: Central and Offset diameter
- ✓ Special 2 and 3 Level Air Snap Gauge
- ✓ Suitable for $\pm 0.040\text{mm}$ unit provided with 2.07/1.0/1.6/0.6 mm Air Jet
- ✓ Suitable for $\pm 0.020\text{mm}$ unit provided with 2.07/1.0/1.6/0.6 mm Air Jet
- ✓ Manufacturing range: 10 mm to 100 mm



Connecting Rod Fixture

Connecting Rod Multi-gauging fixture to check with PC Base Instrument (Complete SPC)

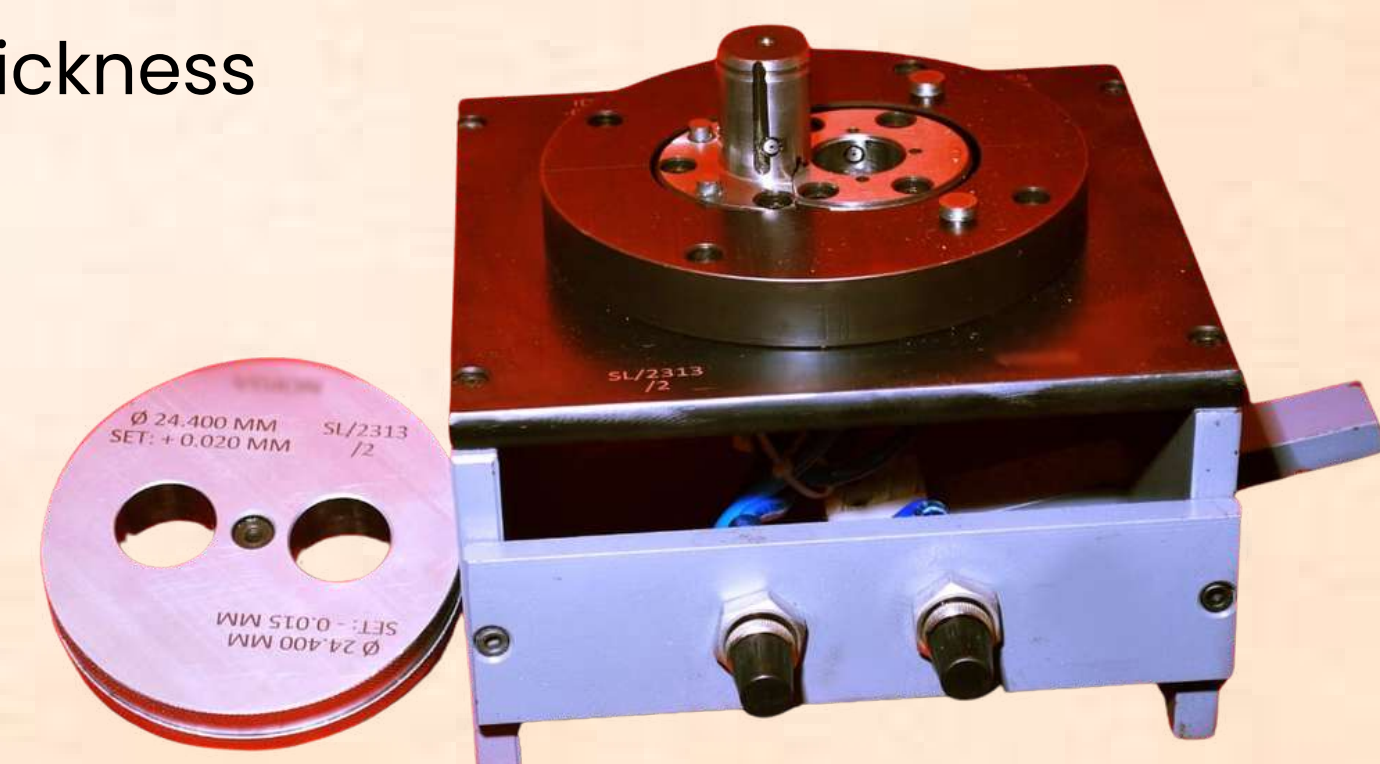
- ✓ Big End Internal Diameter
- ✓ Small End Internal Diameter
- ✓ Centre Distance
- ✓ Bend
- ✓ Twist
- ✓ Wall Thickness

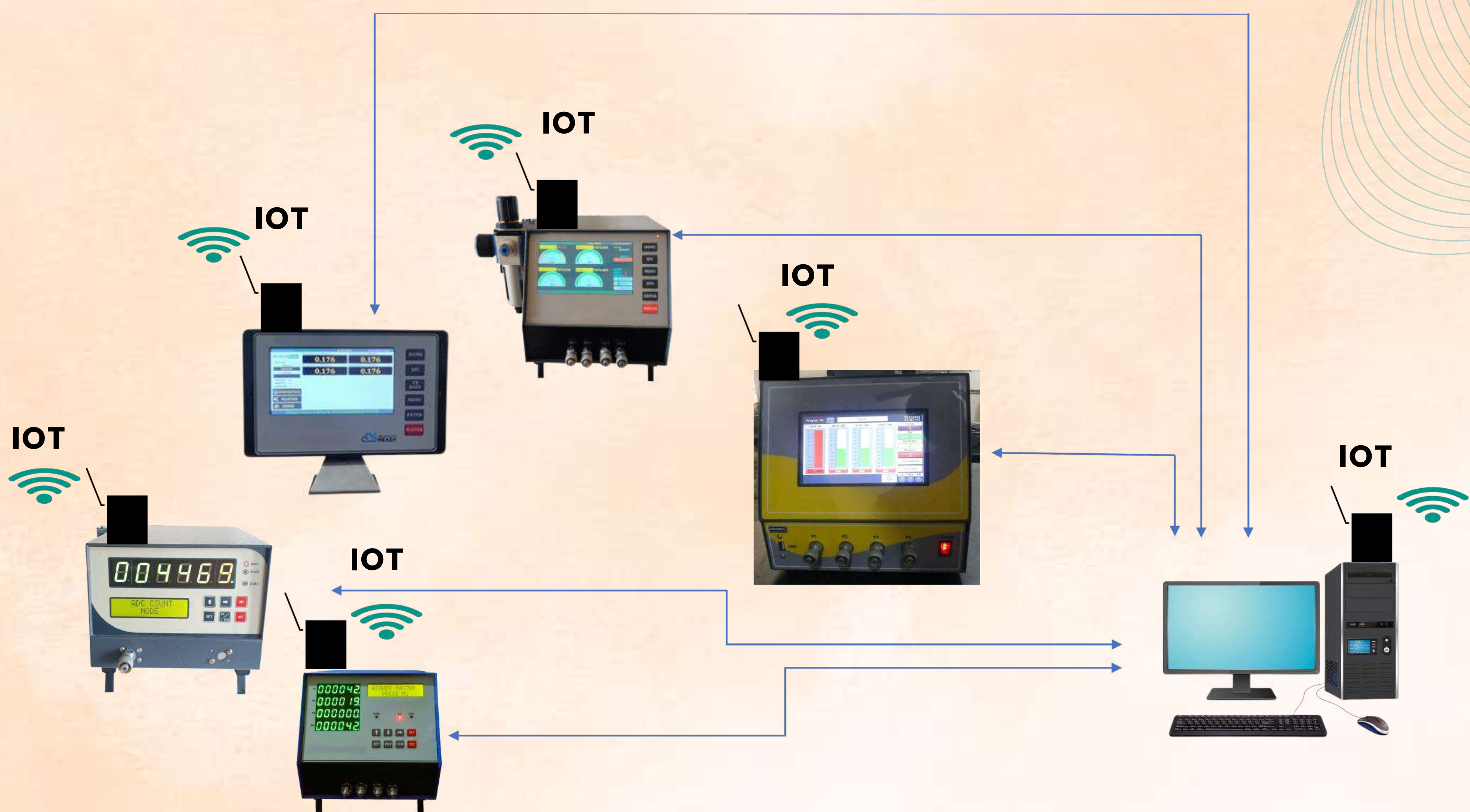


Crank Shaft Fixture

Crank Shaft Multi-gauging fixture to check

- ✓ Centre Distance
- ✓ Internal Diameter
- ✓ Outer Diameter
- ✓ Wall Thickness





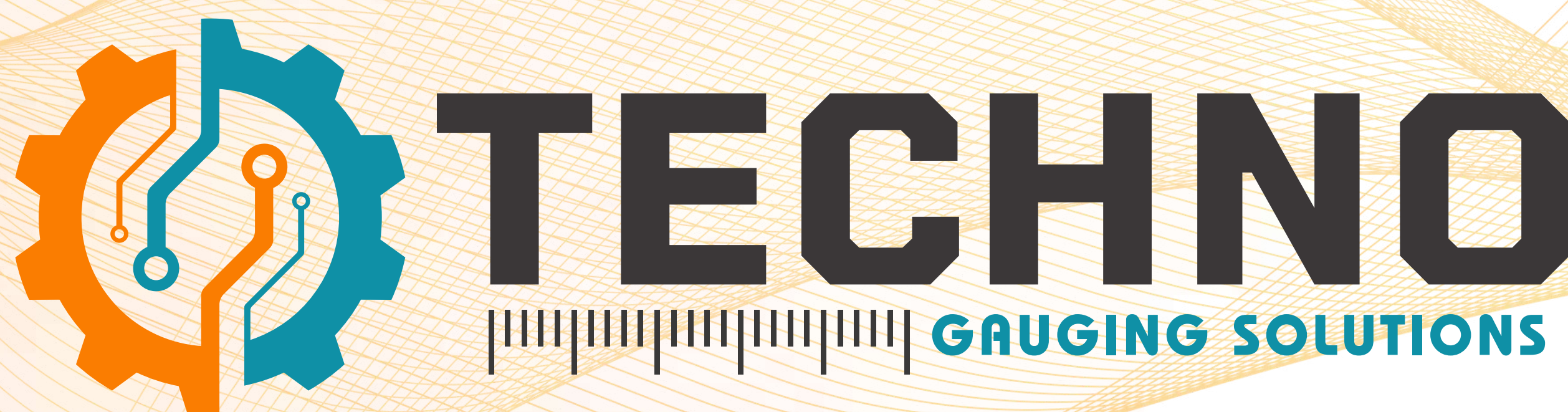
Real Time SPC

Our real-time SPC solution shouldn't slow down your production line. Our solutions are plant-floor friendly and provide fast setups, fast data collection, and even faster data analysis. Plus, we help you expose process improvement opportunities you never knew existed, so you can save even more time and resources.

Real-time statistical process control (SPC) can benefit automobile and aerospace production by:

- ✓ **Improving quality** : Real-time SPC software can help identify and correct problems in the production process, which can improve product quality.
- ✓ **Reducing waste** : Real-time SPC can help reduce waste areas like scrap, rework, and under-performing machinery.
Increasing efficiency : Real-time SPC can help improve manufacturing efficiency and lower overall production costs.
- ✓ **Maintaining compliance** : Real-time SPC software can help maintain compliance with industry and regulatory standards.
- ✓ **Predicting maintenance** : Advanced real-time SPC software can analyze real-time equipment data to predict when maintenance is needed.

Other benefits of SPC include: Reducing defects, boosting customer satisfaction, achieving cost reduction/control, preventing over-tampering, and Getting extensive analytics and reporting



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