

Corporate Profile 2021

Achieve zero internal rejection. Supply direct to line.

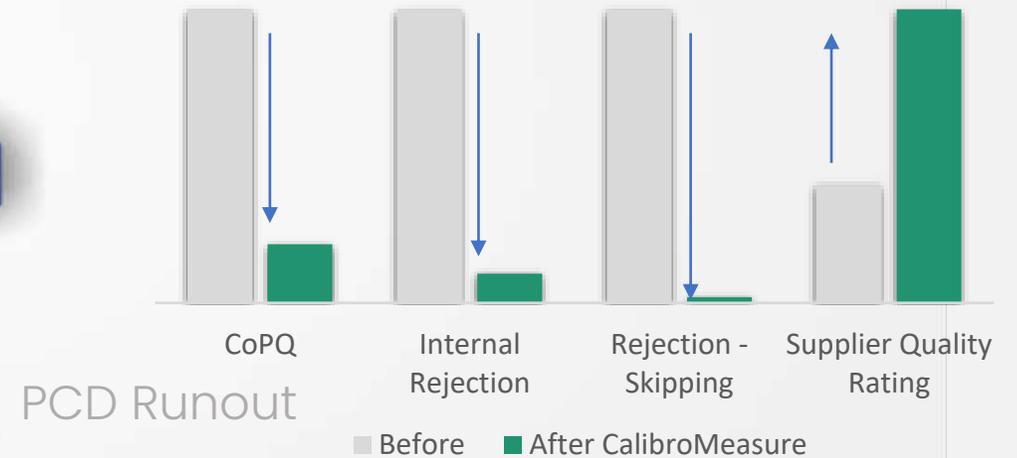
Partners to improve COPQ and COQ through automated dimensional inspection solutions for precision gears & transmission shafts



Unfolding new opportunities...

Span

measurement



PCD Runout

TCE and TTE

www.calibromeasure.com

DOB/MOT

ID & OD

Enabling 100% quantified inspection



80%

of India's
largest Gear
Exporters are
our customers

30%

of Customers
with 5+
Equipment

90%

Customers
with repeat
orders

30 Lac+

Gears inspected
annually

WHAT WE DO?

Create 'quality' culture. Make 'quality' absolutely easy to measure, inspect and improve.

BY 2025...

We will bring technology driven 'quality improvement' in 500+ Companies



Our Journey

2010
Productise
Quality

PIONEER in
'solutions' for
gear quality
inspection

2012
Ever
evolving

Continuous
INNOVATION in
line with
evolution of
transmission
technology

2016
Break-
through

100% BETTER
REPEATABILITY
than CMM;
Cycle time
reduced from
30 m to 30 s

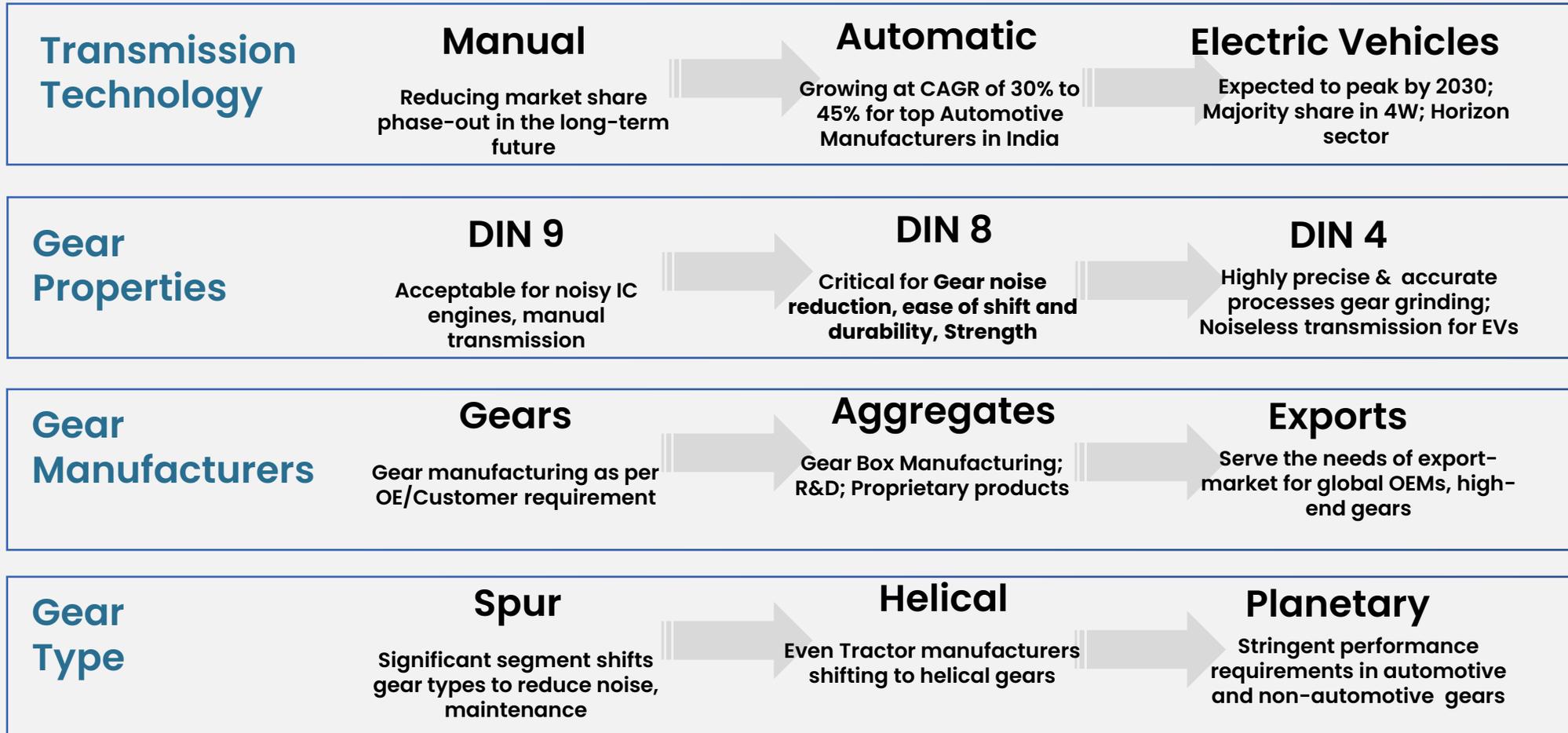
2017
High
Precision

REPEATABILITY
less than ± 3
micron for
TCE/ TTE – the
only Indian
product

2020
INDUSTRY
4.0

INDUSTRY 4.0
Machines,
advanced
software for
analysis –
with MES

Towards 100% quantified inspection..



100% inspection – No more 'Optional'



Your benefits: Upgrade to 100% automated, quantified and software driven inspection

- Eliminate human judgement and dependency
- Eligible for export opportunities
- High reputation among clients
- Total confidence with process conformance; zero errors
- Complete traceability
- Significantly lower costs and wastage
- Headcount optimization
- Process and quality improvement with exact analysis of each parameter

Pioneering fully- automated Inspection

Most Advanced Features

- Measures DIN 4
- Multiple gears, multiple parameters on a single machine
- Remote diagnostics, Data logging, IoT
- Fully-Automated, error free
- Robot Cell Integration

- In-process Gear Inspection
- Final Gear Inspection



Range of
Standard
Gear
Inspection
Systems



Tailor-made
Projects built
as per Client
requirements

Key Customers



Gears Inspected on our Machines are used by leading OEMS



Mercedes-Benz



SSANGYONG





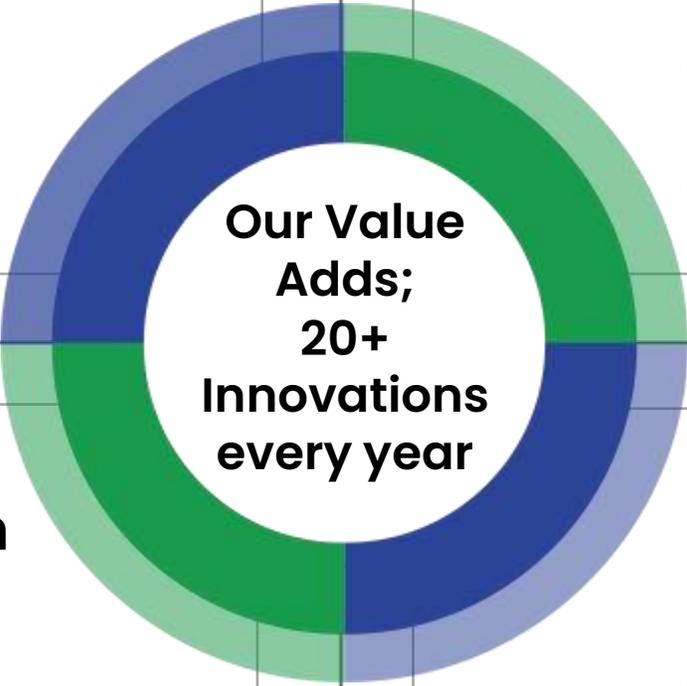
Ready to
accept your
Challenges!

Automating the non-automated in inspection

Total Automation – including pick and place, QR/Bar Code integration, Data logging, Analysis and more...

Capturing quality for 'difficult to measure' parameters

Quantify and capture subjective parameters such as jerky rolling; adding new parameters every 6 months



**Our Value Adds;
20+
Innovations
every year**

Root-cause identification for quality improvement

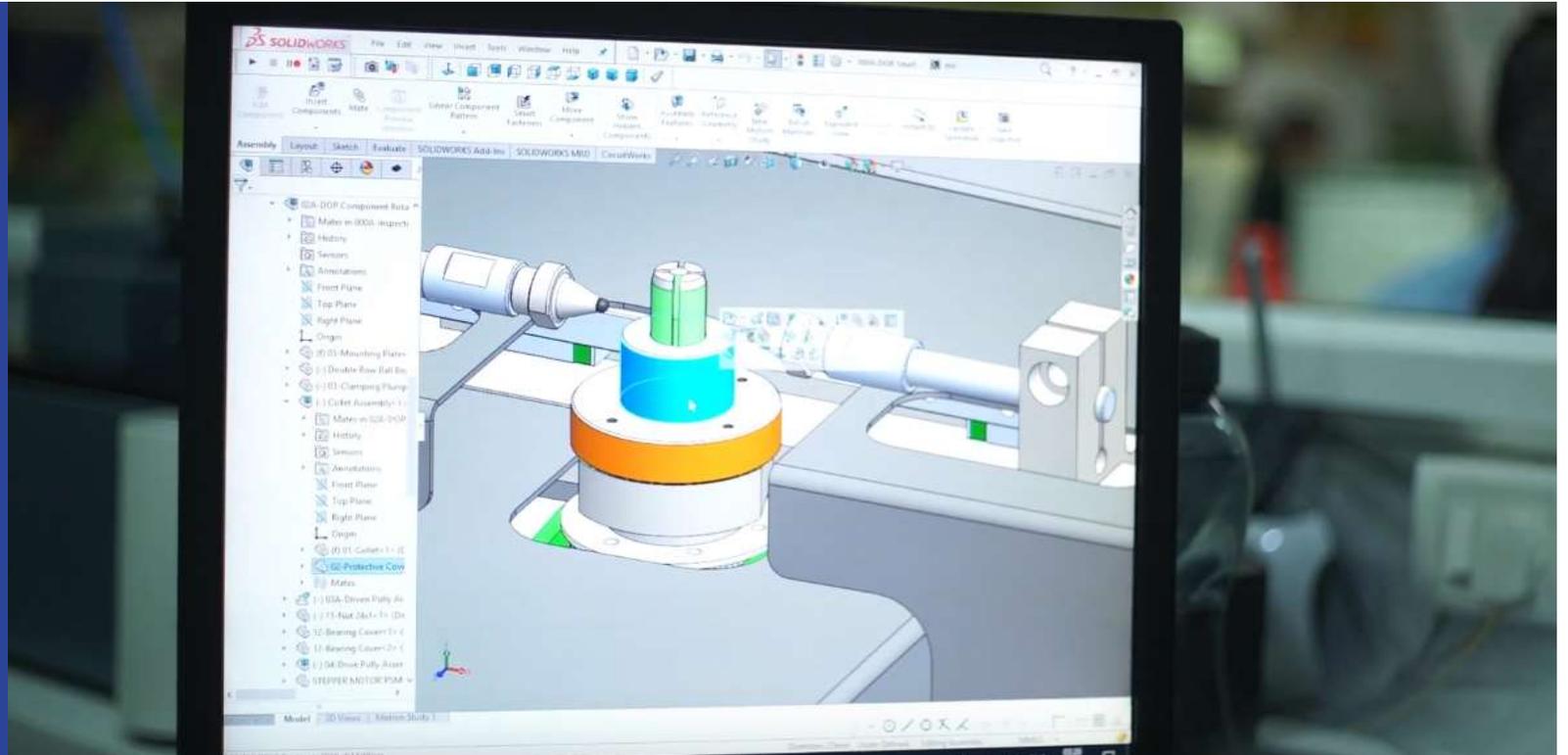
Graphical representation of abnormalities for process quality control and prediction of root causes

Adding intelligence to your processes

Quantifying to catch the defect in gear quality issues or meet customer requirement

Design: In-depth and continuously improving to address even unforeseen needs

- Design verification audit
- FMEA of the design
- Mathematical assessment of life of components
- Document storage, versioning and archive as per global standards



Mechatronics capabilities: Unique value embedded in hardware + software

- Dedicated Mechatronics Team
- Programming planning, & Validation with updates
- Critical programming trials
- Monkey jumping to identify bugs
- Online resolving of issues



Project Management: Transparent process; prompt response; on-time delivery

- Daily capacity & project road maps monitoring
- Project progress mailed to customer
- Conference calls with customer for clarity in technicalities
- Periodic checks for manufacturing guideline customer specs & design audit actions



Customer Support: Only company in our league with 24X7 Telephonic Support

- Dedicated and experienced team of Factory Trained Engineers
- Remote Maintenance and Hardware/Software Upgrades
- Operator Training
- 24X7 Telephonic support (India's first)
- AMCs



Why Calibromeasure?

**99.99%
Automation
Success Rate**



- Automation for automotive, non-automotive gears
- Solutions to inspect Over 15+ Parameters in gears

**Industry's
best
Experts**



- 'Lean' philosophy embedded in every process that we follow and every product we deliver

**Future
Ready Gear
Inspection**



- Industry 4.0, SPC, Traceability, Controls, Ergonomics and lean – we are flexible and future ready

Final Gear Inspection



GearMate

Achieve drastic manpower reduction in final inspection, achieving zero PPM rejection

High repeatability $\pm 3\mu$ and accuracy within 1μ

Inspect any CTQ parameters along with TCE/TTE inspection

In-Process Gear Inspection



RollSmart



DoBSmart

**Monitor process trend
in real-time for in-
process gear
inspection**

Quantified TTC, TTE
readings!

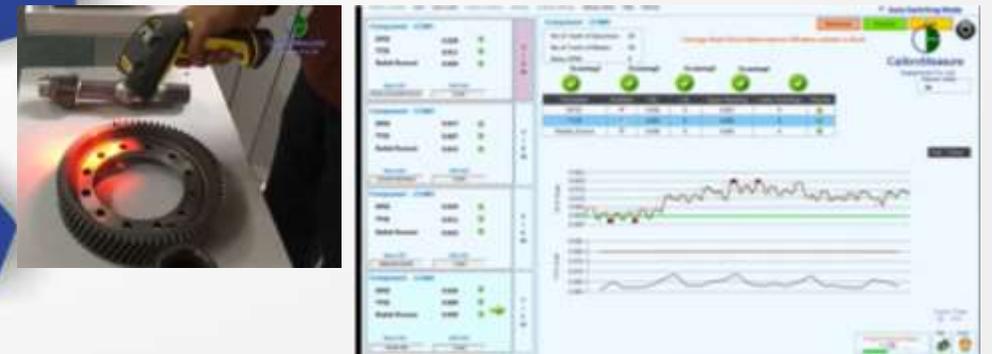
Rolling skills not required –
Auto rolling!

Ok/ Not Ok decided by
Machine!

Setting time- within a
minute!

Project: Automated Inspection solution for highly precise EV Gears

- Repeatability of ± 1 Micron
- 3 Stations
- TCE & TTE Runout
- Simultaneous inspection of gears



Connect with us



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