

Join the revolution

CNCtize your quality inspection

Make your
existing
inspection
fixture
SMART

Digitize
Automate
Be industry 4.0 ready
Deskill
Traceable
Intelligent



Ideal for gears, shafts, splines, transmission components, precision machined components etc.

Human-powered automated digital data capture and analysis

Do It Yourself -
Easy plug and play installation

Works for a variety of makes of quality inspection fixtures

Even unskilled operators can perform error free inspections

Requires no change in existing inspection methodology



CNCtize transforms your
existing attribute based
Manual / Dial / DRO
inspections to interactive,
quantified, digital and
traceable measurements

Benefits

CN Ctize is powered by CMGM patented Continuous Monitoring and Guide Module and an Artificial Intelligence Software



Ensures zero rejection skipping
to customer OR to next stage

Eliminates operator errors
caused by manual recording

Reduces the load on standard room gear tester

equipment as well as machine and operator waiting time especially for gear parameters like PCD Run Out

Provides remote access & data export
for real time support in improving
quality and compliance

Enables traceability by attaching
QR/Barcode scanner
to store part part wise data



The most dangerous kind of waste is the waste we do not recognize.

- Shigeo Shingo

Inventor of Poka-Yoke, Mistake Proofing, SMED, JIT and Jidoka.

Why CNCtize?



Fixture with dial / DRO readout



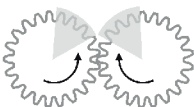
Time consuming,
prone to clerical
errors



For borderline readings
OK Gears marked as NG/
NG Gears passed as OK



Dial limits decision
to Ok/NG



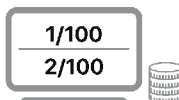
No guarantee
of complete cycle



No assurance
of component inspection
by operator
(accountability)



**Requires very costly
machines** to measure
critical component
parameters



Only sampling possible
for critical parameters
inspections due to
high cycle time of GMM



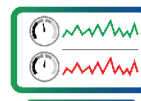
Fixture with CNCtize



Saves time with
automatic
reading capture



Error-free Ok/NG
decisions given
by CNCtize



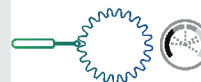
100% exact
quantified values



Artificial Intelligence (AI)
powered monitoring for
complete cycle



100% Traceability
for each component,
process, operator wise



High-accuracy
measurement without
the need for additional
investments



100% inspection
for critical parameters
possible due to
very low cycle time

CNCtize contains

Digital LVDT Probe + Data Recording Module + 10.5" Touch screen IPC + CMGM Proprietary Software

Key Features



**Industry 4.0
Ready**



**Powered by
Artificial
Intelligence**



**Advanced
Computing
Capabilities**



Button free
operations

Audio visual
signal for Ok/NG
decision

Accuracy of 1 μ ,
repeatability $\pm 1 \mu$

Graphical display
with analog and
digital values

Automated error tooth
detection reduces
rework time by 70%

Export data to
MS Excel or take prints
by attaching a printer

Calibration reminder
for all measurable
parameters

Auto zeroing
eliminates dial
setting & its errors

SQC analysis
possible for exercising
process controls

100% Data recording,
for reconciliation
and control

User management
separate login for
operators, managers

Flexible solution
can be easily re-purposed
for other applications

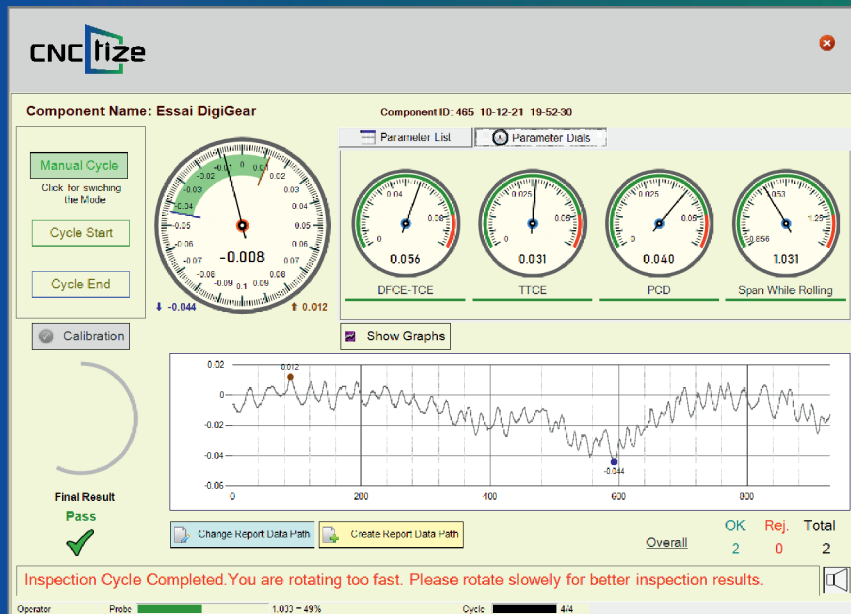


Almost all quality improvement comes via simplification of design, manufacturing... layout, processes, and procedures.

- Tom Peters

Management Consultant best known for his work 'In Search of Excellence'

Gain from deep and granular process insights



Quality and trend reports

Process compliance notifications
Control plan drawings
Reconciliation and records

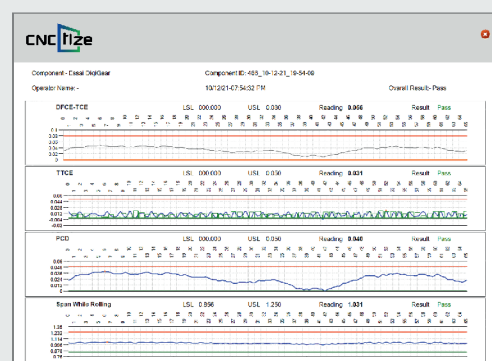
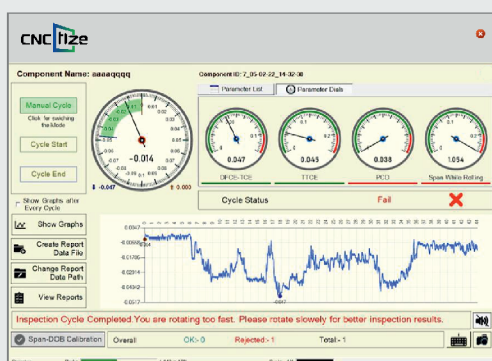
Batchwise pass/fail
Critical parameter wise pass/fail
Process accuracy and compliance

Operator Log reports

Operator log
Average time to inspect
Operator productivity & efficiency
Process compliance

Change in master gears
Calibration Cycle time deviations
Compulsory mastering frequency

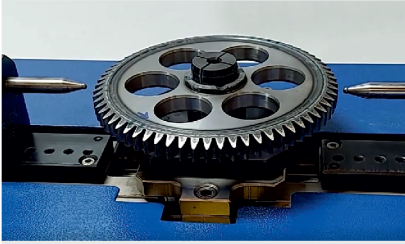
and many more...



**CNCtize has a library of hundreds of pre defined reports;
additional reports can be developed as per your specific needs.**

5 Years of disruptive innovation in quality inspections of precision machined components

Automated inspection and DOB grading



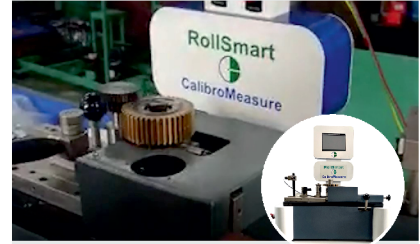
Gear inspection for GPD and GPDN gear variants with automated DOB grading

Critical inspection of high precision internal gears & splines

Photos are confidential;
Get in touch to know more.

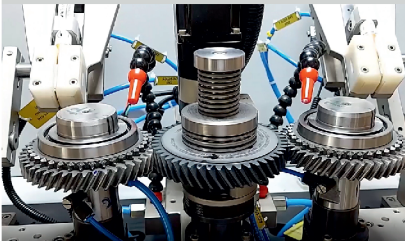
PCD runout inspection of internal gears and splines with respect to non-holding datum

50% Manpower saving in final inspection



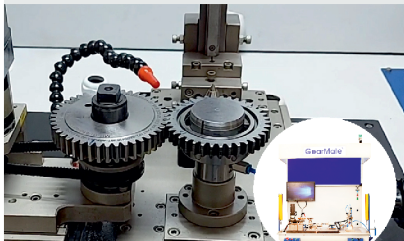
Simultaneous gear rolling inspection on 2 RollSmart by 1 person

Simultaneous inspection of 2 gears with 1 master



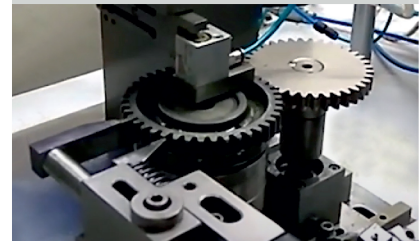
Multiple inspections and double throughput

Common inspection equipment for gears and shafts



Multiple gear and shaft inspections with integrated laser marking

Fully automatic SPAN inspection



Quantified and flexible SPAN inspection with data recording

80%

of India's largest Gear Exporters are our customers

30%

of Customers with 5+ equipment

35 Lac+

Gears inspected annually on our equipment



If you are looking to develop quality culture and inspection processes with quantified, digital and future-ready measurements, we are keen to partner with you!

Industry leaders are CNCtizing their gear inspection

CNC  MRT

CNC  DOB

CNC  PCD RUNOUT

CNC  ?????

Tell us the inspection fixture that you want to CNCtize.
We will be happy to partner you with a new solution.

**Explore a new dimension
in quality inspection with us ►**



G-39/7/2, MIDC, Waluj,
Aurangabad,
Maharashtra, India

☎ +91 9822 032 062
✉ connect@calibromasure.com
🌐 www.calibromasure.in