

Gear Rolling Automation

Get accurate quantified & flexible in-process rolling OR
double the throughput for final rolling inspection
with 50% savings in manpower costs

Watch video
for in-process



For all gear manufacturers,
RollSmart is the only In-process
Roll tester that leaves no option
for the operator but to inspect at
desired frequency, monitor
multiple hobbing/grinding
machines for performance, and
record the trend of TCE at just 8
paisa per gear !!



Warning Pop up when the process
is using wide tolerance band

Ensure maximum life
of master

Pop up of Abnormal fluctuations in
DFCE by 20 μ (settable)

Real time process
trend plotted

Data of number of missed
inspections

Manual Roll Tester



RollSmart - Inprocess



Impossible to calculate TTE



Quantified TTC, TTE readings!

Skilled operator required



Rolling skills not required
– Auto rolling!

Human dependent decision



Ok/ Not Ok decided by RollSmart!

Cumbersome setting



Setting time- within a minute!

No assurance of inspection frequency being followed



Missed opportunities recorded and data ready for analysis!

Inspection data not recorded for CpCpk



Auto recording of inspection data, thus easy CpCpk!

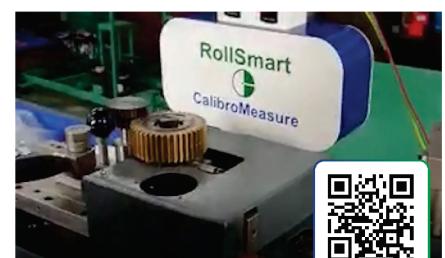
Difficult to monitor process trend



Real Time process trend available on the screen!

	RollSmart 25	RollSmart 70
Parameters	TTE (Fi), TCE (Fi)	TTE (Fi), TCE (Fi)
Gear CD range	45 mm to 120 mm	90 mm to 160 mm
Length of shaft	Up to 250 mm	Up to 350 mm
Gear OD(for shaft)	10 mm to 85 mm	10 mm to 125 mm
Repeatability	$\pm 3\mu$	$\pm 3\mu$
Setting time	Within 1 min	Within 1 min

50% Manpower saving in final inspection



Simultaneous gear rolling inspection on 2 RollSmart by 1 person

Different model of RollSmart available for final inspection!

 **CalibroMeasure**
Equipments Pvt Ltd
No.1 in Gear Inspection Automation

 **CNCtize**

A new revolution in quality inspections

 **GearMate®**

For drastic manpower reduction in final inspection

 **MeasureMate®**

Most flexible and advanced multi-gauging solution platform