



VISIMASTER™
Quiet, Precise, Intelligent & Fast



Scan to
know more

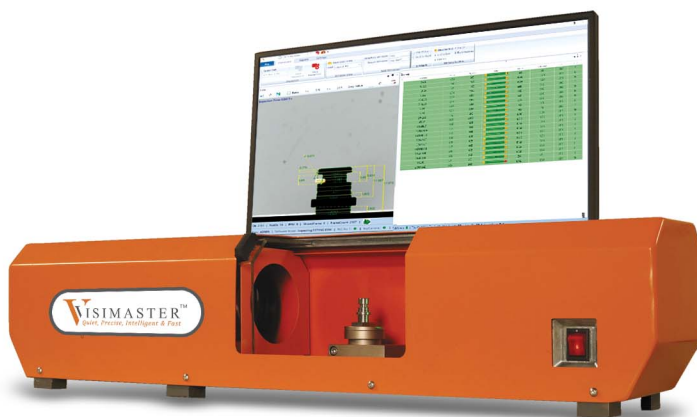
**VARAD AUTOMATION & ROBOTICS
PRIVATE LIMITED**



VERTICAL VISIGAUGE

TYPES OF MACHINE

- ☉ One Click
- ☉ Auto Focus



HORIZONTAL VISIGAUGE

TYPES OF MACHINE

- ☉ One Click
- ☉ With Rotary
- ☉ With Air Gauge

SPECIFICATIONS

Model	3624-20	4530-20	5335-20	6543-20	9060-20
FOV Width	24	30	35	43	60
FOV Length	36	45	53	65	90
Repeatability	1 μm^*	1 μm^*	1.5 μm^*	2 μm^*	3 μm^*
Data Report & Backup	.xls Through USB	.xls Through USB	.xls Through USB	.xls Through USB	.xls Through USB
Dimensions (L x W x H)	940 x 170 x 210 mm	400 x 250 x 850 mm	940 x 170 x 210 mm	1040 x 270 x 320 mm	550 x 350 x 990 mm

WHAT CAN BE INSPECTED



WHAT CAN BE INSPECTED



- ☑ Stamping Parts
- ☑ Plastic & Rubber Parts
- ☑ Turned Precision Parts
- ☑ Small Plastic Parts
- ☑ Fasteners

PRODUCT FEATURES

- ☑ One click measurement with high precision.
- ☑ Automatic and manual saving of data with Batch Wise Report and SPC Report.
- ☑ One unique instrument to inspect more than 25 dimensions in a fraction of second.
- ☑ Repeatability starts from 1 μm^* .
- ☑ Easy operation, Simple and user friendly teaching.
- ☑ Prompt online support.
- ☑ Less maintenance to zero maintenance.
- ☑ High Expertise on Software Development.

* Repeatability will be measured on OD of Master Part.

Highly Precise and Reliable



NANO GLASS DISC

ADD ON'S

- ☉ Bowl Feeder ☉ Packaging Machine

SPECIFICATIONS

Camera	Position	Operation
1 st	Top	OD, ID Inspection
2 nd	Side	Side Dimension Inspection
Other Specifications:		
	Model	Size
FOV L x D:	NGD3428	30 mm x 20 mm
	NGD4235	40 mm x 30 mm
Dimensions (L x W x H):	1000 x 600 x 900 mm	
Weight:	100 Kg Approx.	

WHAT CAN BE INSPECTED



- ☑ Bolts, O Rings, Washers, Gears, Brass Inserts

PRODUCT FEATURES

- ☑ Detailed Dimensional Inspection.
- ☑ Repeatability starts from 5 µm.
- ☑ Inspection Speed up to 300 PPM.
- ☑ Manual as well as Auto Feeding System.
- ☑ Automatic and Manual saving of data with Batch Wise Report and SPC Report.



GLASS DISC

ADD ON'S

- ☉ Packaging Machine ☉ Batch Wise Ejection

SPECIFICATIONS

Camera	Position	Operations
1 st	Top	OD, ID Inspection
2 nd	Side	Side Dimension Inspection
3 rd	Taper	Internal Thread Present/ Absent
4 th	Top	Top Surface Defects
5 th	Bottom	Bottom Surface Defects
6 th	Top	Outer 360° Surface Defects
Dimensions (L x W x H):	1500 x 1800 x 2110 mm	
Weight:	600 Kg Approx.	

WHAT CAN BE INSPECTED



- ☑ Turned Precision Parts ☑ O Rings, Washers

PRODUCT FEATURES

- ☑ Detailed Dimensional & Surface Defects Inspection.
- ☑ Repeatability starts from 5 µm.
- ☑ Inspection Speed up to 500 PPM.
- ☑ Manual as well as Auto loading systems.
- ☑ Quantity wise separate OK Ejections
- ☑ Can check OCR & Internal Thread Present/ Absent

We can customise for every requirement.



LINEAR PICK & PLACE MACHINE

ADD ON'S

⊙ Air Gauge ⊙ Auto Feeding Unit

SPECIFICATIONS

Station	Unit Type	Operations
1 st	Air Gauge	ID Inspection
2 nd	Camera (Side)	Side Dimension Inspection
3 rd	Camera with Rotating Base (Side)	360° Surface Inspection
Dimensions (L x W x H)	1400 x 1100 x 2200 mm	Weight: 500 Kg Approx.

WHAT CAN BE INSPECTED



☑ Turned Precision Parts ☑ Parts with Multiple Sides

PRODUCT FEATURES

- ☑ Can integrate Air Gauge & LASER Sensor for specific requirements.
- ☑ Parts with 360 Degree Visual Defects can be inspected.
- ☑ GD&T Parameters like parallelity, straightness can be inspected.
- ☑ Automatic / Manual saving of data with Batch Wise Report and SPC Report.



CONVEYORISED INSPECTION MACHINE

ADD ON'S

⊙ Packaging Machine ⊙ Bowl Feeder

SPECIFICATIONS

Camera	Position	Size	Operations
1 st	Side	Upto 30mm	Side Dimension Inspection
2 nd	Side	Upto 88 mm	Side Dimension Inspection
Dimensions (L x W x H)	1900 x 1400 x 2100 mm		
Weight: 400 Kg Approx.			

WHAT CAN BE INSPECTED



☑ Dowel Pins, Small Studs, Small Shafts, Precision Parts

PRODUCT FEATURES

- ☑ High Accuracy Dimensional Inspection.
- ☑ Repeatability starts from 1µm.
- ☑ Inspection Speed up to 300 PPM.
- ☑ Automatic / Manual saving of data with Batch Wise Report and SPC Report.
- ☑ Auto Feeding System.

Our machines are compatible for almost each part.



ADD ON'S

⊗ Bar Code ⊗ Scanner & Printer ⊗ Packaging Machine

MACHINE FOR METAL PARTS

OPERATIONS

ID, OD Measurement	360 deg. Defects on Outer Surface
Height/Thickness	360 deg. Defect on Inner Surface
Top Flat Surface	Bottom Flat Surface

MACHINE FOR RUBBER PARTS

OPERATIONS

ID, OD, Flash	Inner 360 deg. Surface
Bend	Outer 360 deg. Surface
Top Flat Surface	Bottom Flat Surface

Scratch, Dent, Damage, Cracks, Chip Off, Erosion, Short Mold, Peel Off, Nick, Short Fill, Flow Mark, Foreign Contamination, Roundness

WHAT CAN BE INSPECTED



☑ Turned Precision Parts ☑ Sintered Parts

WHAT CAN BE INSPECTED



☑ Rubber O Rings, ☑ Rubber Gas Seals

PRODUCT FEATURES

- ☑ Can integrate Bar Code, Scanner & Printer; equipped with part Flipping Mechanism.
- ☑ 360° Visual Defects can be checked.
- ☑ Automatic and Manual saving of data with Batch Wise Report and SPC Report.
- ☑ Detailed Dimensional & Surface Defects Inspection.
- ☑ Repeatability starts from 5 µm.
- ☑ Inspection Speed up to 500 PPM.
- ☑ Manual as well as Auto loading systems.
- ☑ Quantity wise separate OK Ejections.

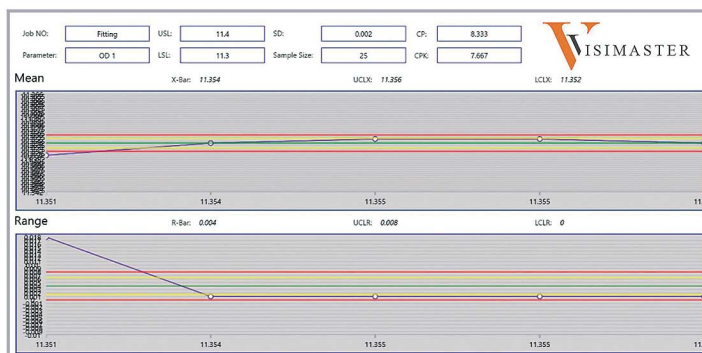
We can customise for every requirement.

REPORT FORMATS

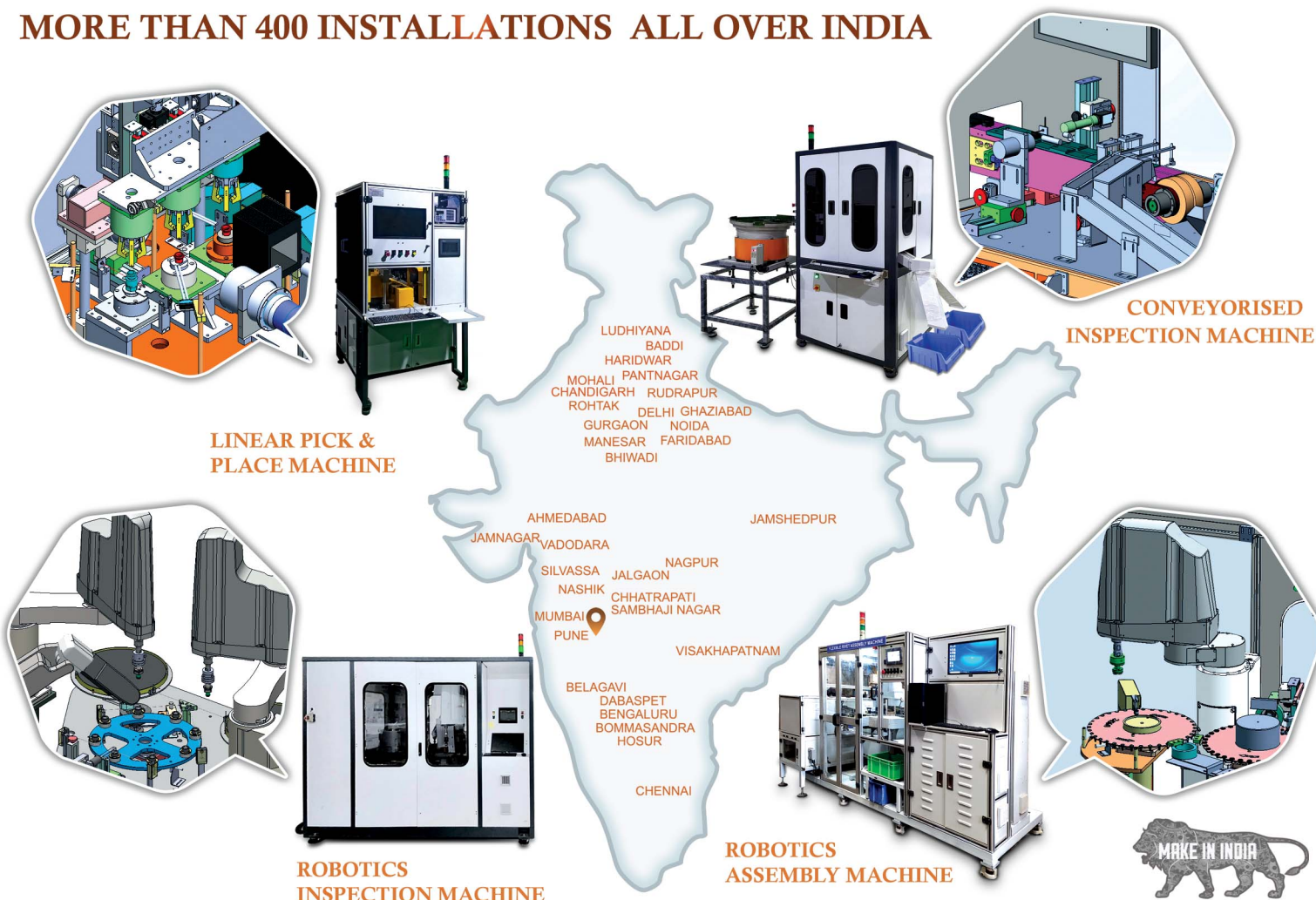
1. PDI/ INPROCESS INSPECTION REPORT

Inspection Report							Report Generated By Visimaster
Company Name	Customer Name			Report Number		Fork Bolt	
Part Number	Fork Bolt			Batch Size		0	
Revision Number	0			Inspector Name		admin	
Lot No	Production			Operator Name			
Production Shift	Inspection Shift			Machine No			
Parameters	Collar width	Groove OD	OD 1	OD 2	Shape	Step Length	Total Length
Mean	4	22.5	17	29.42	1	21	30.8
Negative	3.9	22.5	16.93	29.4	0.8	21	30.7
Positive	4	22.7	16.97	29.6	1	21.5	30.9
2022-12-20 12:13:29	3.966	22.532	16.946	29.422	0.931	21.055	30.813
2022-12-20 12:13:35	3.964	22.534	16.949	29.425	0.919	21.061	30.81
2022-12-20 12:13:40	3.969	22.535	16.946	29.425	0.921	21.075	30.816
2022-12-20 12:13:49	3.967	22.532	16.948	29.425	0.931	21.065	30.821
2022-12-20 12:13:54	3.972	22.533	16.948	29.425	0.93	21.072	30.804
2022-12-20 12:14:00	3.965	22.533	16.946	29.423	0.925	21.063	30.821
2022-12-20 12:14:05	3.968	22.532	16.947	29.423	0.93	21.072	30.819
2022-12-20 12:14:10	3.968	22.534	16.946	29.421	0.929	21.067	30.817

2. SPC REPORT



MORE THAN 400 INSTALLATIONS ALL OVER INDIA



BENEFITS

- EFFICIENCY:** Better Human-Machine Collaboration
- ACCURACY:** Journey Towards Zero PPM
- EASE OF WORK:** One Machine Army
- VALIDATION:** Critical Inspection
- PROFITABILITY:** Efficient Return on Investment
- REDUCED ERRORS:** Zero Error
- BUSINESS REPUTATION:** Zero Supply of Defective Products
- HAPPY CUSTOMERS:** Zero Complaints
- HIGHLIGHT YOUR BUSINESS:** Increase Your Presence with Quality Products

VARAD AUTOMATION & ROBOTICS PRIVATE LIMITED

Plot No. 169, Sector 7, PCNTDA, Bhosari, Pune 411026, Maharashtra, India +91 8669962225, +91 9130047182

sales.a@varadautomation.com, sales@varadautomation.com www.varadautomation.com