

The background features a large, stylized orange graphic element resembling a 'V' or a chevron shape, positioned on the left side.

VI SIMASTER

**VARAD AUTOMATION & ROBOTICS
PRIVATE LIMITED**

ABOUT US

VARAD AUTOMATION AND ROBOTICS PVT. LTD., operating under the brand name of **VISIMASTER**, is one of the leading manufactures in India. Carrying out progressive research in the cutting-edge technology of machine vision system, we specialize in providing vision inspection machines, optical auto-sorting machines, vision-based special purpose machines and fixtures.



MACHINES



VISION GAUGE



OPTICAL INSPECTION AND
SORTING MACHINE FOR
AUTO COMPONENTS



OPTICAL INSPECTION AND
SORTING MACHINE FOR
O-RINGS



GRAVITY-FED
OPTICAL INSPECTION AND
SORTING MACHINE



OPTICAL INSPECTION AND
SORTING MACHINE FOR
FASTENERS

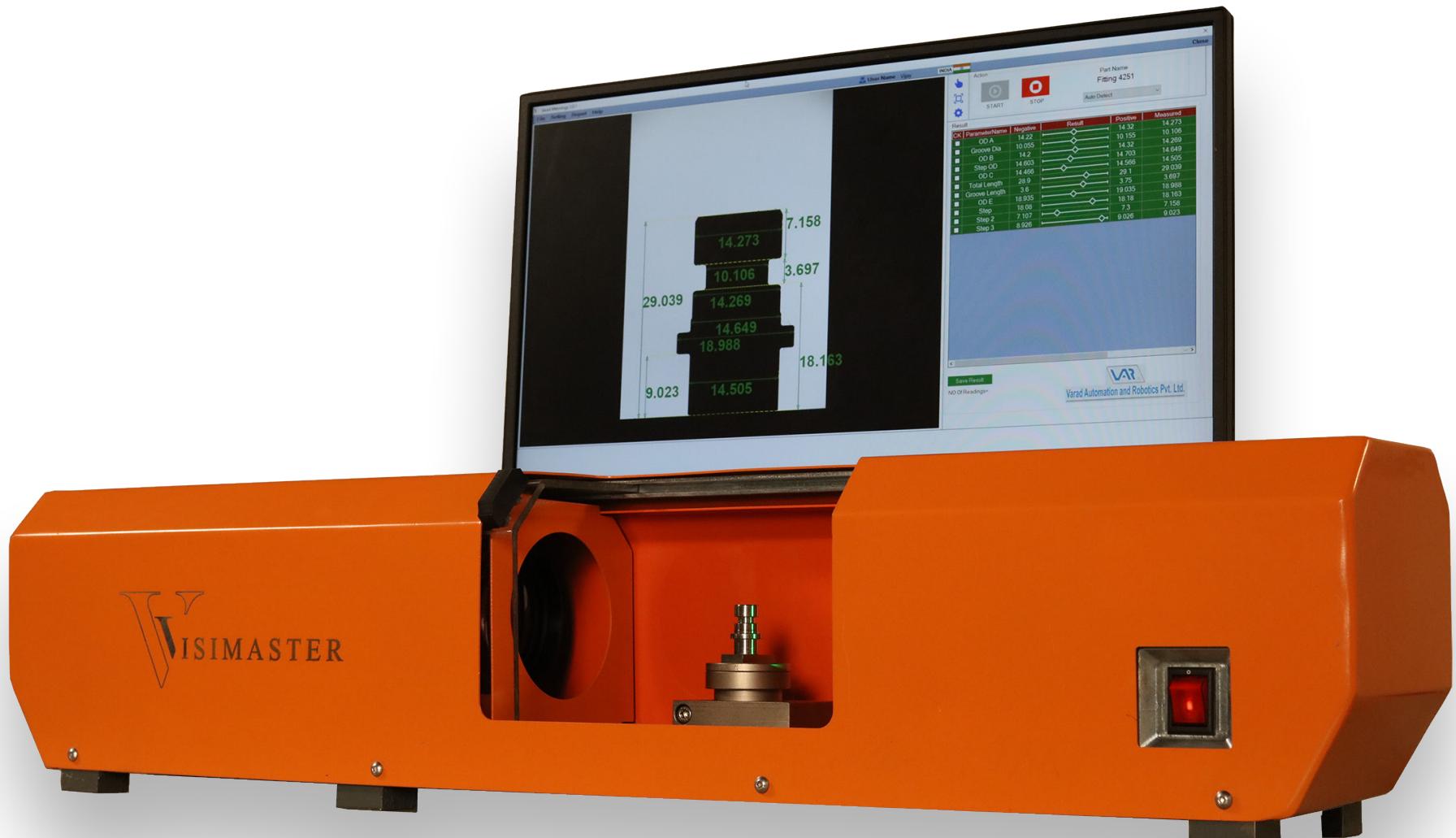


VISION BASED
SPECIAL PURPOSE
MACHINE CAN INSPECT
VARIOUS OBJECTS

VISION GAUGE

VISION GAUGE CAN INSPECT -

1. precision machine parts
2. turned components
3. precision brass components
4. precision automotive components





TECHNICAL SPECIFICATIONS VISION GAUGE

Model No.	VISION GAUGE -01	Model No.	VISION GAUGE -02	Model No.	VISION GAUGE -03
Applicable Components	Precision turned components, Automobile parts, Fasteners, plastic component, Rubber parts, Electronic parts	Applicable Components	Precision turned components, Automobile parts, Fasteners, plastic component, Rubber parts, Electronic parts	Applicable Components	Automobile parts, Fasteners, plastic component, Rubber parts, Electronic parts
Diameter of Component	25mm	Diameter of Component	40mm	Diameter of Component	70mm
Height of Component	30mm	Height of Component	50mm	Height of Component	80mm
Sorting Accuracy	$\pm 3 \mu\text{m}$	Sorting Accuracy	$\pm 3 \mu\text{m}$	Sorting Accuracy	$\pm 5 \mu\text{m}$
No. of Cameras	1 CMOS	No. of Cameras	1 CMOS	No. of Cameras	1 CMOS
Vision system	High Quality CMOS camera /Lens / light	Vision system	High Quality CMOS camera /Lens / light	Vision system	High Quality CMOS camera /Lens / light
Mainframe	Industrial computer	Mainframe	Industrial computer	Mainframe	Industrial computer
Software	Visimaster 3.1	Software	Visimaster 3.1	Software	Visimaster 3.1

OPTICAL INSPECTION AND SORTING MACHINE FOR AUTO COMPONENT

OPTICAL INSPECTION AND SORTING
MACHINE FOR AUTO COMPONENT
CAN INSPECT -

- 1. Washers
- 2. Bushes
- 3. Dowels
- 4. Collars
- 5. Various nuts
- 6. Inserts
- 7. Stamped parts
- 8. Fasteners
- 9. Plastic components
- 10. Metal clips
- 11. Grub screws





TECHNICAL SPECIFICATIONS

VMS-17052

Model No.	VMS-17052		
Applicable Components	Automobile parts, Fasteners, plastic component, Rubber parts, Electronic parts		
Diameter of Component	25mm OR 100 mm OR 40 mm		
Height of Component	35mm OR 25 mm OR 48 mm		
Width of Component	25mm / 40mm same colour in one machine(call b4 putting)		
Sorting Accuracy	$\pm 10 \mu\text{m}$		
No. of Cameras	2 CMOS (Upto 6 cameras)		
Vision system	High Quality CMOS camera /Lens / light		
Mainframe	Industrial computer, servo motor		
Software	Visimaster 3.1		
		Input	Bowl / Rotary / Conveyor feeder
		Out put	Sorting bins (Good/NG)
		Speed	100-1000 pcs/min
		Power	AC 220 – 240V / 50Hz
		Size(LxWxH)	2100 x 900 x 900
		Weight (Approx.)	400Kg

OPTICAL INSPECTION AND SORTING MACHINE FOR O-RINGS

OPTICAL INSPECTION AND SORTING
MACHINE FOR O-RINGS CAN INSPECT -

1. Rubber O-rings



GRAVITY-FED OPTICAL INSPECTION AND SORTING MACHINE

GRAVITY-FED OPTICAL INSPECTION
AND SORTING MACHINE

CAN INSPECT -

1. Studs
2. Various pins
3. Small components



OPTICAL INSPECTION AND SORTING MACHINE FOR FASTENERS

OPTICAL INSPECTION AND SORTING
MACHINE FOR FASTENERS

CAN INSPECT -

1. Special Fasteners
2. Rivets
3. Screws
4. Bolts
5. Shoulder Bolts



VISION BASED SPECIAL PURPOSE MACHINE CAN INSPECT VARIOUS OBJECTS





FEATURES OF THE MACHINE

- Fully automatic, high precision
- Accuracy starts from $\pm 2 \mu\text{m}$
- Fast measurement & analysis time, upto 10 parts per second
- Can be used for First Piece Approval, Sampling Inspection, 100% Production Inspection, Inward Material Inspection
- Automatic data saving and customized reports - Daily & Monthly Productivity, SPC, Gauge R&R*
- One unique instrument to inspect more than 25 dimensions in a fraction of second
- Simple and user friendly teaching & operating system
- Fast and easy assistance through teleservice
- Less maintenance as compared with conventional methods

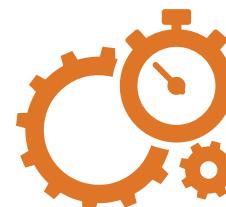
* Report on request



SECTORS WE CATER



AUTOMOBILE



MANUFACTURING



AGRICULTURAL
MACHINERY



AVIATION



DEFENCE



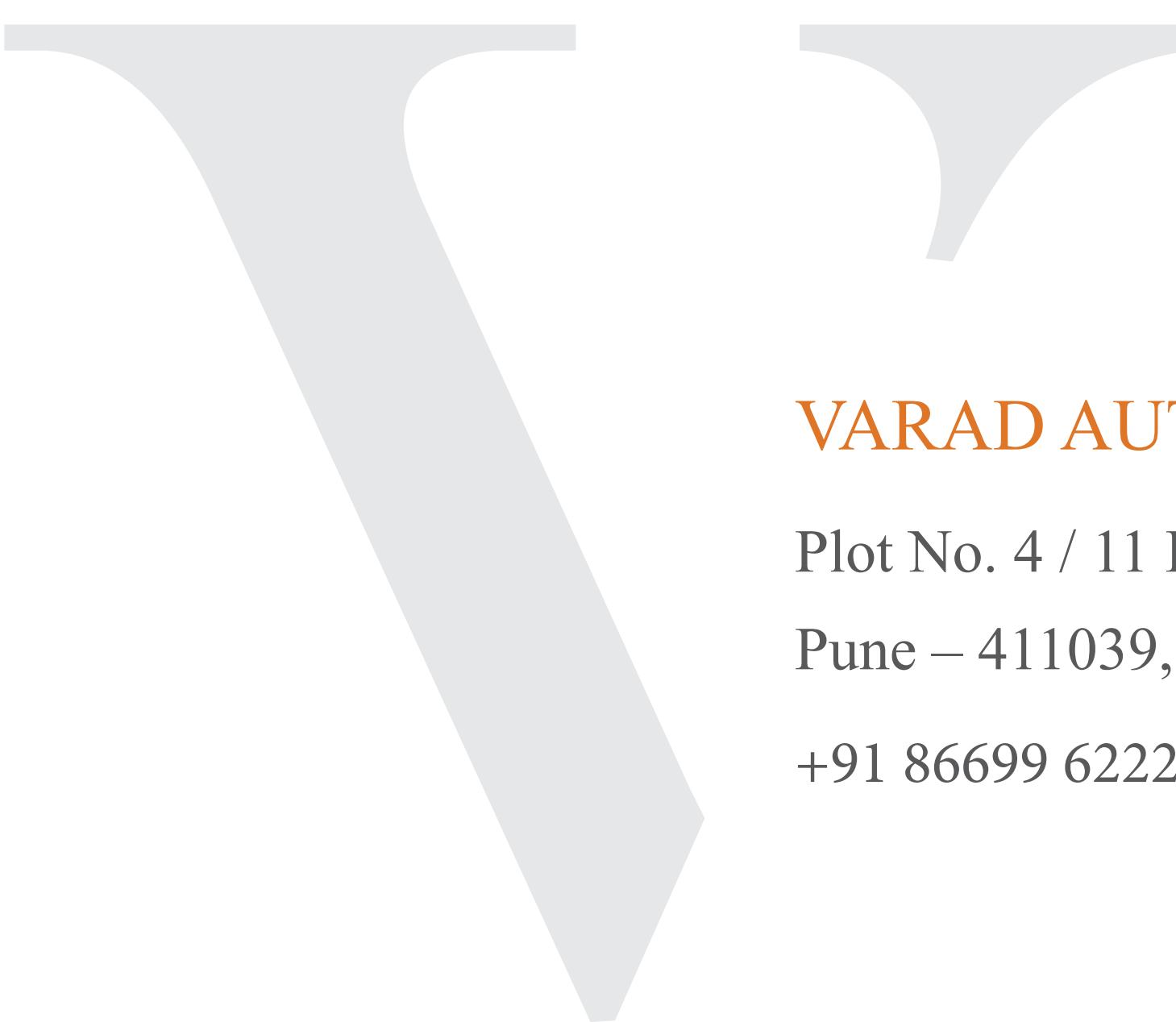
HEALTHCARE

BENEFITS OF THE MACHINE

- ⌚ SUPERIOR EFFICIENCY: Better human-machine collaboration
- HIGH QUALITY INCREASED ACCURACY: Zero defect
- 🐎 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
- 握手 HAPPY CUSTOMERS: Zero complaints
- 人群 HIGHLIGHT YOUR BUSINESS: Increase your presence with quality products

MACHINES INSTALLED ALL OVER INDIA





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