

GRIDBOTS FABRICHECK

AI BASED FABRIC INSPECTION SYSTEM



GRIDBOTS
FABRICHECK



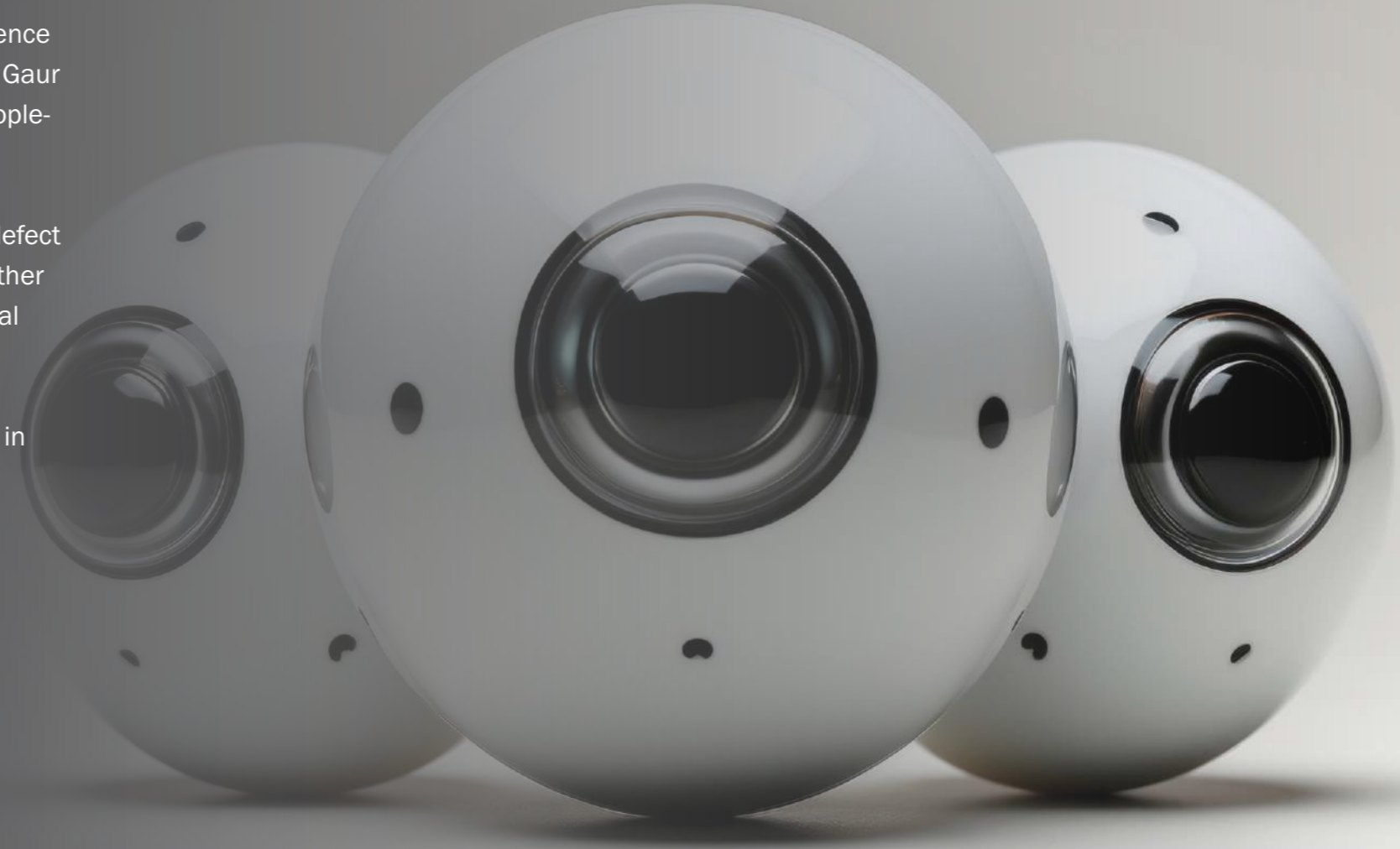
gridbots

ABOUT GRIDBOTS

We are a Technology company from India and work in the field of Robotics - Artificial Intelligence and Machine Vision. Founded in August 2007 by young and passionate innovator Mr. Pulkit Gaur [TED Fellow and MIT Young Innovator of the year]. We today are a team of more than 50 people- Head quartered in Ahmedabad and having offices in Pune and Delhi.

We design and develop ultra high performance systems which are used in the industry for defect detection - dimension measurement - sorting applications - grading application and many other ways. With our machine vision and robotic solutions we are helping our clients achieve digital factory goals in a time bound manner.

We would be glad to hear about your industry 4.0 adaptation strategy and would love to get in touch with you to explore the synergies in working together !



NO.1

Inspection system Supplier from India

50+

Projects Completed

100+

Robots Delivered

15

Components Per Camera



GRIDBOTS FABRICHECK

AI BASED FABRIC INSPECTION SYSTEM

MACHINE VISION

Gridbots fabriCHECK is an integrated machine vision solution for inspecting fabric rolls of width upto 5 meters and length upto 5000 meters in a single roll.

The system comprises of 10 high resolution camera's which can inspect the woven/non woven fabric for more than 24 types of defects generally found in the fabrics rolls.

With its AI enabled software - The system can identify - classify and record the defects while the fabric is passing at a whopping speed of 200 meters per minute. The algorithms do a multiple image analysis using multi spectral LED lightings beneath and on the top of the fabric.

Max Fov 2000 mm x 2000 mm	Power 50W	Camera Pixel Size 6.0 x 6.0µm	Accuracy 10 Microns Onwards	Measurement Capabilities 1000 Parts / Minute
-------------------------------------	---------------------	---	---------------------------------------	--

RESOLUTION



FEATURES



IP67



Additional Storage



Integrated Lighting



Autofocus



Monochrom



Color



TECHNICAL SPECIFICATIONS

Build Material
Powder Coated MS

Machine Dimensions [LxBxH]
6000x3000x2000 mm

Supported Bags Size
Length: Upto 1000 Meters
Width: Upto 3 Meters

Lights
Multispectral - Top and Bottom

Roll Width Servo Mechanism
Auto

Defect Marking Mechanism
Ink/Sticker/Data Storage

Fabric Support
Woven/Non-Woven

Electrical Characteristics
Single phase [230 V.A.C. - 2 HP]

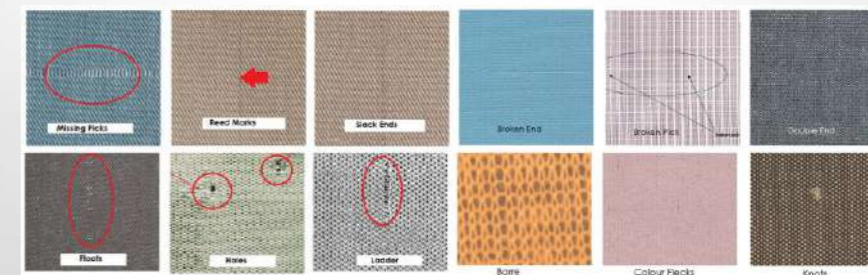
Health Checking
Inbuilt IOT and Alert Mechanism

Machine Weight
1500 KG

Camera System
GPU Enabled - Adaptive Algorithms

Machine Vision System
Integrated GPU Based Processing System

Auto Teach
Supported for User



GRIDBOTS TECHNOLOGIES PVT. LTD.

Main Office Address

Office #306, Maharana Pratap Complex,
Behind V.S. Hospital, Ashram Road,
Ahmedabad - 380006,
Gujarat, India.

Factory Address

Survey No. 157, Fatehwadi,
Kismat Estate, Near Alwish Motors,
Sanathal-Bakroal Ring Road,
Ahmedabad-382210.

Contact

M. :+919924826584
Email Id : contact@gridbots.com
Website : www.gridbots.com