



MADE IN BHARAT

FULL STACK ROBOTICS COMPANY

GLOBAL ROBOTIC SYSTEM MANUFACTURER



ABOUT

Gridbots Technologies was established in mid of 2007 in Ahmedabad-India with a focus on research and development in the field of indigenous product development and provide solutions to various industries, Government Organisations and research establishments.

Company is head-quartered in Ahmedabad and has offices in Munich, Oakland, Noida.

We strive to become one of the best and most innovative robotics company in the time to come and serving globally.

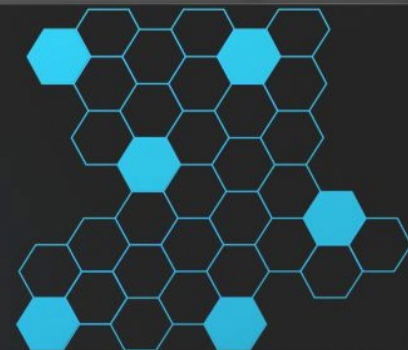
Our focus has been on concurrent research and development in the advanced robotics and AI.

GLOBAL PRESENCE



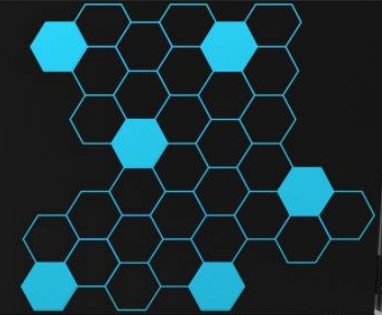
(15 PARTNERS IN 15 COUNTRIES AND GROWING)

GRIDBOTS
GLASSO
FLOATSCAN



**SOLUTION FOR
GLASS INDUSTRIES**

GRIDBOTS GLASSO PATTERNSCAN

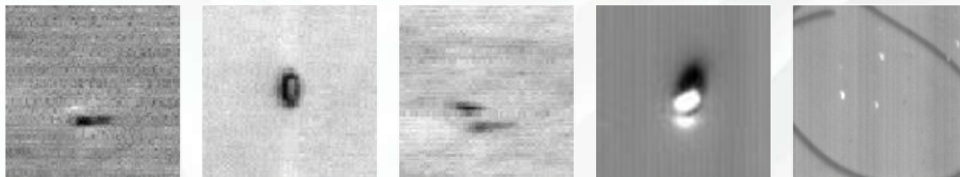


GLASSO-PATTERNSCAN

BEST PATTERNED GLASS INSPECTION SYSTEM IN THE WORLD !

Gridbots Glasso PatternsScan is an integrated machine vision solution for online patterned glass inspection. It uses state of art machine vision and artificial intelligence technology to identify defects above 100 microns in real time on the patterned glass. The system is capable to inspect ribbon glass directly on the annelaing lehr - before or after cutting.

The system can find open/close blisters, stones, scratches, tin, density variations, globs, bubble lines, dropping lines, dirt, sulphide particles and many other defects in the glass ribbons or sheets with high accuracy.



BUBBLE

BIG BUBBLE

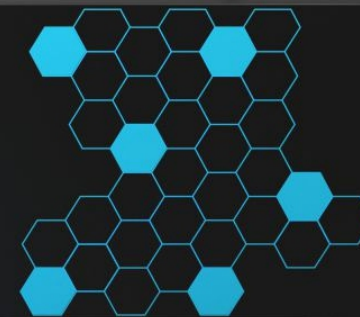
INGOT

STONE

DEBRIS

- Multiple Image Analysis System
- Light/Dark field Camera Technology
- High Intensity Multi spectral LED's
- Precision defect location capabilities
- Completely Integrated Unit - Nothing else Required
- Easy Recipe Management
- AI enabled defects classification
- Easy to use User Interface
- Easy Integration with various Cutting Lines
- Inbuilt Glass Encoder

GRIDBOTS GLASSO FLOATSCAN



GLASSO-FLOATSCAN HIGH SPEED FLOAT GLASS INSPECTION SYSTEM

Gridbots Glasso Floatscan is an integrated machine vision solution for online float glass inspection lines. It uses precise machine vision techniques to identify defects above 20 microns in real time on the glass sheets/ribbons of varying thicknesses from 1-20mm.

The system is capable of inspecting the glass sheets/ribbo in online and offline arrangements .The system can find open and close blisters, stones, scratches, tin defects, glass density variations, globs, bubble lines, dropping lines, dirt, sulphide particles and many other defects in the glass ribbons or sheets.

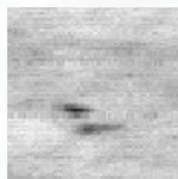
- High Speed Support(Upto 30 M/min)
- Precise defect localisation and catergorisation
- High Intensity Multispectral LED Illumination
- Realtime Defect Identification
- Low power Consumption System(Less than 500W)
- Customisable User Recipes
- Deep Learnding based defects classification
- IOT Connected System for Remote access
- Easy Integration with various Cutting Lines
- Optional Defect Marking System(Washable Ink)



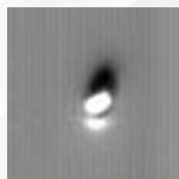
BUBBLE



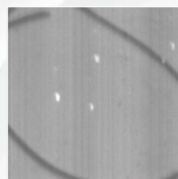
BIG BUBBLE



INGOT



STONE



DEBRIS



GRIDBOTS GLASSO STRESSSCAN

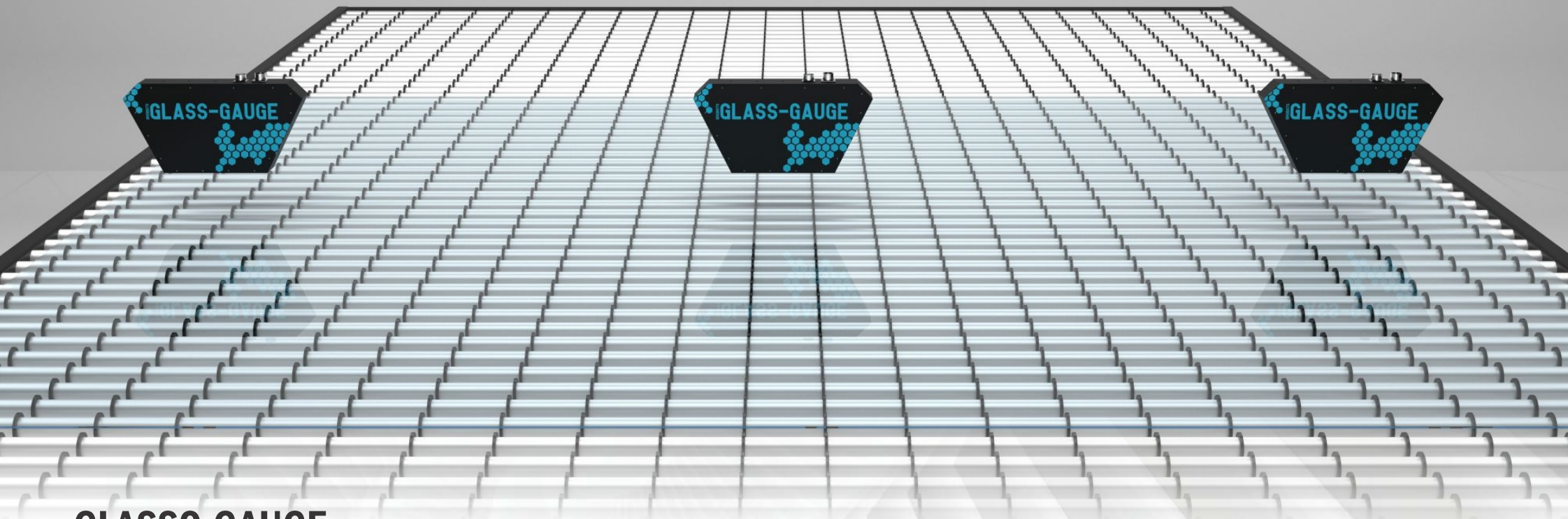
GLASSO-STRESSSCAN

TEMPERED AND ANNEALED GLASS STRESS MEASUREMENT SYSTEM

Gllasso stressSCAN is an online stress measurement system for Solar Glass Production and Tempering Lines. This system can measure both temporary and permanent stresses in the glass sheet. The system works on non-destructive optical retardation technology to locate and measure stresses.

The system comes with automatic calibration references which help to maintain the accuracy for long duration without any lengthy calibration sessions or downtime. Both stress and strain in glass sheets can be measured with magnitude and principal stress/strain direction across the glass ribbon. Provides detailed map on a scale of 0-100% of maximum possible predicted iridescence for entire sheet. Also gives map of average stress values for entire sheet in MPA and PSI. User can define their quality threshold for visual inspection on screen. System also provides anisotropic defects in real time. The system allows elimination of manual judgment and measurements which gives repeatable and consistent process control, reduces waste in process and reduces product returns which ultimately leads to Improved quality and increased throughput.

- Continuous Monitoring on the Glass Ribbon for 100% Inspection
- Provides max, min and average stress levels.
- Provides detailed point specific data.
- Auto Calibration with certified reference system
- Capable of measuring stress in material at high temperature (Upto 200°C)
- Upgradeable to any width and any range of glass thickness
- Non Contact Technology.
- Option to measure Iridescence and Retardation maps of glass sheets



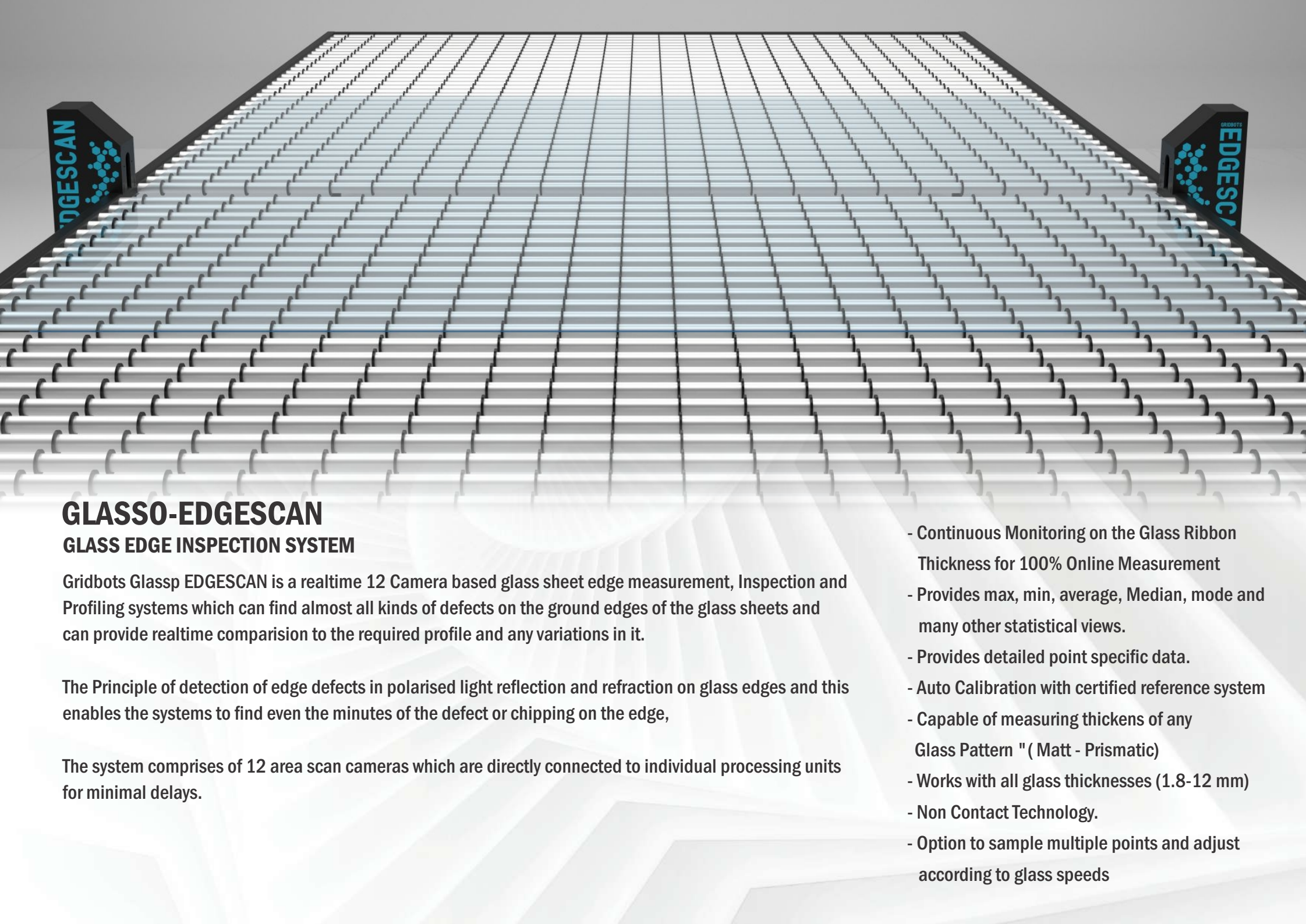
GLASSO-GAUGE

SOLAR GLASS THICKNESS MEASUREMENT SYSTEM

Glasso Glass Gauge is an online thickness measurement system for Solar Glass Production and Tempering Lines. This system can measure thickness of solar glass ribbons and sheets at a amazing speed of upto 60 Meters per minute. The system works on laser phase shift sampling technology to calculate the thickness down to a precision of 50 Microns.

The system comes with automatic calibration references which help to maintain the accuracy for long duration without any lengthy calibration sessions or downtime. The system is tolerant to pattern in the Glass and can be used across the glass ribbon length to measure the thicknesses. It provides the various statistical tools like mean, median, mode, scatter plots and many other data visualisation tools to provide indepth understanding of the Glass production variation and tolerances being adhered to. The system allows elimination of manual judgment and measurements which gives repeatable and consistent process control, reduces waste in process and reduces product returns which ultimately leads to Improved quality and increased throughput.

- Continuous Monitoring on the Glass Ribbon Thickness for 100% Online Measurement
- Provides max, min, average, Median, mode and many other statistical views.
- Provides detailed point specific data.
- Auto Calibration with certified reference system
- Capable of measuring thicknesses of any Glass Pattern " (Matt - Prismatic)
- Works with all glass thicknesses (1.8-12 mm)
- Non Contact Technology.
- Option to sample multiple points and adjust according to glass speeds



GLASSO-EDGESCAN

GLASS EDGE INSPECTION SYSTEM

Gridbots Glassp EDGESCAN is a realtime 12 Camera based glass sheet edge measurement, Inspection and Profiling systems which can find almost all kinds of defects on the ground edges of the glass sheets and can provide realtime comparision to the required profile and any variations in it.

The Principle of detection of edge defects in polarised light reflection and refraction on glass edges and this enables the systems to find even the minutes of the defect or chipping on the edge,

The system comprises of 12 area scan cameras which are directly connected to individual processing units for minimal delays.


- Continuous Monitoring on the Glass Ribbon Thickness for 100% Online Measurement
- Provides max, min, average, Median, mode and many other statistical views.
- Provides detailed point specific data.
- Auto Calibration with certified reference system
- Capable of measuring thickens of any Glass Pattern " (Matt - Prismatic)
- Works with all glass thicknesses (1.8-12 mm)
- Non Contact Technology.
- Option to sample multiple points and adjust according to glass speeds

AUTONOMOUS PALLET JACK

SELF DRIVING PALLET JACK

INDOOR PALLET SHIFTING AMR

Load Capacity	Lifting Height	Max Speed	Runtime
3.0 _t	1.0 _m	1.5 _{m/sec}	8.0 _h

-  Automatic Charging
-  3D Path Navigation
-  Fully Autonomous Navigation
-  IP 21 Weather Proof
-  360 Degree Panoramic View
-  Full Range Safety Protections



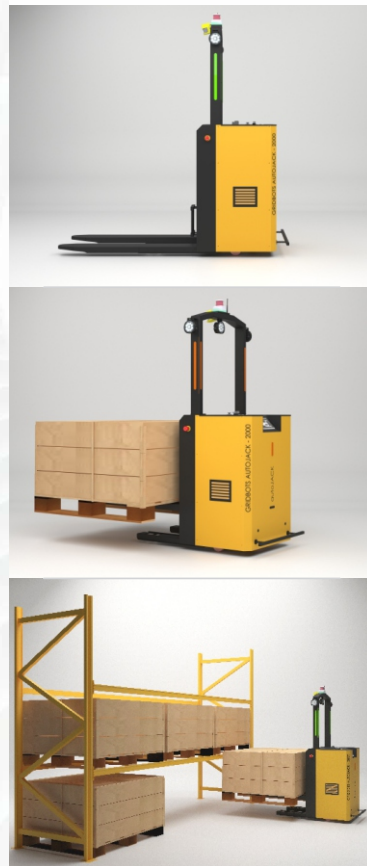
Industrial pallet



Euro pallet



Euro half pallet



Autobot Series of Robots are the technological marvel in the Vision based Robotic Guidance - This technology enables robots to move inside warehouses with high precision in completely autonomous manner.

This Self driving auto jack robot is an industrial grade pallet transport robot which can carry a payload of 1000 kg/2000 kg autonomously.

Autojack features twin 3D camera's mounted on front and rear. The rear 3D camera helps in accurate pallet localisation and safe align method to precisely jack the pallets from ground. The front 3D camera's provide precise realtime 3D volumetric mapping for precise automatic guidance with dynamic obstacle avoidance.

The Robot features minimum turning radius, Automatic System Health Monitoring and fleet management system for multiple AGV configuration.




- Supports all standard pallets
- Natural Feature Navigation
- Dynamic Mapping while moving
- 3D Slam (Stereo Camera+Lidar)
- Fleet Mode Compatible
- Wifi Monitoring and Control
- Supports E - Maps
- Self Aware Health Monitoring
- Automatic charging and Hot Battery Swap
- 4 Layer Safety Mechanism

AUTONOMOUS FORKLIFT

OUTDOOR SELF DRIVING FORKLIFT

OUTDOOR PALLET SHIFTING AMR

Load Capacity	Lifting Height	Max Speed	Runtime
5.0 _t	3.0 _m	1.5 _{m/sec}	6.0 _h

-  Automatic Charging
-  3D Path Navigation
-  Fully Autonomous Navigation
-  IP 21 Weather Proof
-  360 Degree Panoramic View
-  Full Range Safety Protections



Autobot Series of Robots are the technological marvel in the Vision based Robotic Guidance - This technology enables robots to move inside warehouses with high precision in completely autonomous manner.

This Self driving auto jack robot is an industrial grade pallet transport robot which can carry a payload of 1000 kg/2000 kg autonomously.

Autojack features twin 3D camera's mounted on front and rear. The rear 3D camera helps in accurate pallet localisation and safe align method to precisely jack the pallets from ground. The front 3D camera's provide precise realtime 3D volumetric mapping for precise automatic guidance with dynamic obstacle avoidance.

The Robot features minimum turning radius, Automatic System Health Monitoring and fleet management system for multiple AGV configuration.

- 2/3/5 Tonne Load capacity
- Manages 3 Degree Inclines
- 3D Lidar and Vision based navigation
- Upto 3 Meter Lift Height
- Counterbalanced Configuration for excellent stability
- Smart Motion planning and obstacle avoidance
- Automatic Pallet Identification
- Automatic Charging Battery Swap Option

TROLLEY-MATIK

SELF DRIVING TROLLEY TRANSPORTER

INDOOR TROLLEY SHIFTING AMR

Load Capacity

3.0_t

Lifting Height

0.3_m

Max Speed

1.5_{m/sec}

Runtime

8.0_h



Automatic Charging



3D Path Navigation



Fully Autonomous Navigation



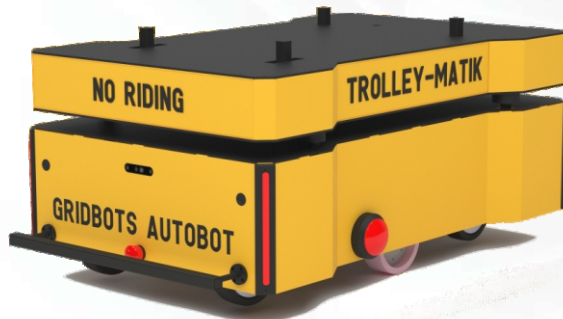
IP 21 Weather Proof



360 Degree Panoramic View



Full Range Safety Protections



Autobot Series of Robots are the technological marvel in the 3D Vision and Lidar based hybrid Robotic Guidance - This technology enables robots to move inside warehouses with high precision in completely autonomous manner.

This trolley transporter autonomous robot is an industrial grade model suited for autonomous trolley transportation. It can carry a trolleys of various sizes and payloads from 100 kg to 2000 kg by latching to them from underneath and moving them around.

Trolley-Matik features 3D camera based trolley localization and safe align technology to precisely latch the trolleys from underneath. Robot features completely automatic guidance system with dynamic obstacle avoidance.

The Robot features minimum turning radius, Automatic battery, system Health monitoring and fleet management system for multiple AMR configuration.


- Supports Trolleys from 700-2000 mm Length
- Natural Feature +3D Vision Hybrid Navigation
- Dynamic Mapping of path while moving
- Most Precise localisation in the world (Stereo Camera+Lidar)
- Fleet Mode Compatible for multiple Robots control
- Wifi enabled Monitoring and Control
- Supports E - Maps directly
- Self Aware Health Monitoring and reporting
- Automatic charging and Hot Battery Swap Options
- 4 Layer Safety Mechanism [Safety Lidar+3D Camera+Ultrasonic+Physical Bumper]

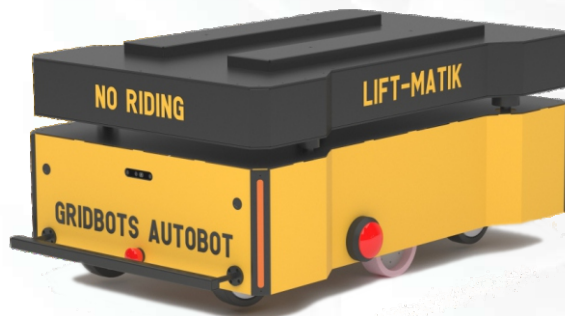
LIFT-MATIK

SELF DRIVING LIFT TRANSPORTER

INDOOR LIFT SHIFTING AMR

Load Capacity	Lifting Height	Max Speed	Runtime
3.0 _t	1.5 _m	1.5 _{m/sec}	8.0 _h

-  Automatic Charging
-  3D Path Navigation
-  Fully Autonomous Navigation
-  IP 21 Weather Proof
-  360 Degree Panoramic View
-  Full Range Safety Protections



Autobot Series of Robots are the technological marvel in the 3D Vision and Lidar based hybrid Robotic Guidance - This technology enables robots to move inside warehouses with high precision in completely autonomous manner.

This trolley transporter autonomous robot is an industrial grade model suited for autonomous trolley transportation. It can carry a trolleys of various sizes and payloads from 100 kg to 2000 kg by latching to them from underneath and moving them around.

Trolley-Matik features 3D camera based trolley localization and safe align technology to precisely latch the trolleys from underneath. Robot features completely automatic guidance system with dynamic obstacle avoidance.

The Robot features minimum turning radius, Automatic battery, system Health monitoring and fleet management system for multiple AMR configuration.

- Supports Trolleys from 700-2000 mm Length
- Natural Feature +3D Vision Hybrid Navigation
- Dynamic Mapping of path while moving
- Most Precise localisation in the world (Stereo Camera+Lidar)
- Fleet Mode Compatible for multiple Robots control
- Wifi enabled Monitoring and Control
- Supports E - Maps directly
- Self Aware Health Monitoring and reporting
- Automatic charging and Hot Battery Swap Options
- 4 Layer Safety Mechanism [Safety Lidar+3D Camera+Ultrasonic+Physical Bumper]

CONVEYOR-MATIK

SELF DRIVING CONVEYOR TRANSPORTER

INDOOR CONVEYOR SHIFTING AMR

Load Capacity

3.0_t

Lifting Height

1.5_m

Max Speed

1.5_{m/sec}

Runtime

8.0_h



Automatic Charging



3D Path Navigation



Fully Autonomous Navigation



IP 21 Weather Proof



360 Degree Panoramic View



Full Range Safety Protections



Autobot Series of Robots are the technological marvel in the 3D Vision and Lidar based hybrid Robotic Guidance - This technology enables robots to move inside warehouses with high precision in completely autonomous manner.

This AMR features automatic docking and transport of material in bidirectional manner, It supports 1000 kg to 10,000 kg payload movement TO and FRO.

Conveyor-Matik features 3D camera based conveyor localization and safe align technology to precisely dock the robot to conveyor end.

The Robot features minimum turning radius, Automatic battery, system Health monitoring and fleet management system for multiple AMR configuration.

- Supports Trolleys from 700-2000 mm Length
- Natural Feature +3D Vision Hybrid Navigation
- Dynamic Mapping of path while moving
- Most Precise localisation in the world (Stereo Camera+Lidar)
- Fleet Mode Compatible for multiple Robots control
- Wifi enabled Monitoring and Control
- Supports E - Maps directly
- Self Aware Health Monitoring and reporting
- Automatic charging and Hot Battery Swap Options
- 4 Layer Safety Mechanism [Safety Lidar+3D Camera+Ultrasonic+Physical Bumper]

GRIDBOTS PALLET-MATIK

4 AXIS PALLETISING ROBOT

Gridbots PalletMatik is a fully compliant - high speed 4 Axis Robotic palletiser which has been designed keeping agility and precision required for high speed palletising operations.

With its plain and simple programming interface - It lets the user create, modify and implement programming tasks in seconds.

The robots have the smallest footprint and lightest weight in their class with highest possible speed which makes them perfectly suited for large scale deployments for increasing demand.

The system comes with a 13" HDMI Teach Pendant and easy Control GUI which makes operating and programming the robot very comfortable and easy job.

- 25/40 Kg Payload Option
- Motion Precision 0.1 mm
- Torque Limited Joints
- 2.5 Meter reach
- Lowest Power Consumption
- Programmable in English Like Language
- COBOT Mode and Industrial Mode Switch possible while working
- Failsafe Brakes on 3 Axes



GRIDBOTS DEXTER

6 AXIS ARTICULATED ROBOT

Gridbots Dexter is a fully compliant 6 Axis articulated robotic Manipulator which has been designed keeping agility and precision in consideration.

It is well suited for Painting,Welding,Pick and Place,Assembly and palletsing operations with a high speed and reliability.

The system comes with a 10" HDMI Teach Pendant and easy Control GUI which makes operating and programming the robot very comfortable and easy job.The system can be programmed in english language like interface and can be made up and running in no time

- Direct 2D/3D Camera Interface
- Motion Precision 0.1 mm
- Torque Limited Joints
- 5/10/15 Kg Payload Models
- Less than 750 Watts Power Consumption
- Programmable in English Like Language
- COBOT Mode and Industrial Mode Switch possible while working
- 45-60 Effective Cycles per Minute







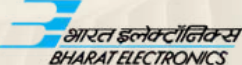













PARTIAL CLIENT LIST

SECTOR	CLIENT		
GLASS			
LAMINATE / WEB			
FMCG			
ELECTRONICS			
PHARMACEUTICALS			

PARTIAL CLIENT LIST

SECTOR	CLIENT			
FOOD AND PROCESSING			EASTERN AGRO FOODS PVT. LTD.	
RETAIL			KOHLER®	
POWER/METALS			 ADITYA BIRLA GROUP	
PLASTIC/RUBBER				
FABRIC				

PARTIAL CLIENT LIST

SECTOR	CLIENT				
AUTOMOTIVE	 				
PETROLEUM/OIL/GAS					
OTHERS					
GOVT CLIENTS					
					

CERTIFICATIONS



CERTIFICATE

This is to Certify that
Environmental Management System
of
GRIDBOTS TECHNOLOGIES PVT LTD

REGISTERED OFFICE: - 6/3, MAHARANA PRATAP CEN OWN ASSO, OPP KAPADIA GUEST HOUSE, NEAR V S HOSPITAL, ELLISBRIDGE, AHMEDABAD-380006, GUJARAT, INDIA
FACTORY ADDRESS: - PLOT NO. 59, MAHAGUJARAT INDUSTRIAL ESTATE, BEHIND SURBH DINING HALL, SARKHEJ-BAVLA ROAD, MORAIYA, AHMEDABAD - 382213, GUJARAT, INDIA

has been independently assessed by DBS
and is compliant with the requirement of:
ISO 14001:2015
For the following scope of activities:
THE DESIGN, RESEARCH, DEVELOPMENT AND DEPLOYMENT OF ROBOTIC, MACHINE VISION, AI TECHNOLOGIES RELATED PRODUCTS AND SELF-DRIVING VEHICLES (HARDWARE AND SOFTWARE)
Certificate Number: E-205021053104

Date of Certification:	31 st May 2021
1 st Surveillance Audit Due:	30 th May 2022
2 nd Surveillance Audit Due:	30 th May 2023
Certificate Expiry:	30 th May 2024

This Certificate is property of DBS Certifications and remains valid subject to satisfactory surveillance audits


Head of Certification



The certificate remains the property of DBS Certifications Private Limited, to whom it must be returned upon request.

DBS CERTIFICATIONS PVT. LTD.
142, 11th Floor, Axtar Enclave, Paschim Vihar, Delhi-110063, (INDIA) info@dbscertification.com, www.dbscertification.com
ACCREDITED BY:
International Accreditation Service (IAS) 3060, Saturn Street Suite 100, Brea, Ca 92821-1732, United States of America



CERTIFICATE

This is to Certify that
Quality Management System
of
GRIDBOTS TECHNOLOGIES PVT LTD

REGISTERED OFFICE: - 6/3, MAHARANA PRATAP CEN OWN ASSO, OPP KAPADIA GUEST HOUSE, NEAR V S HOSPITAL, ELLISBRIDGE, AHMEDABAD-380006, GUJARAT, INDIA
FACTORY ADDRESS: - PLOT NO. 59, MAHAGUJARAT INDUSTRIAL ESTATE, BEHIND SURBH DINING HALL, SARKHEJ-BAVLA ROAD, MORAIYA, AHMEDABAD - 382213, GUJARAT, INDIA

has been independently assessed by DBS
and is compliant with the requirement of:
ISO 9001:2015
For the following scope of activities:
THE DESIGN, RESEARCH, DEVELOPMENT AND DEPLOYMENT OF ROBOTIC, MACHINE VISION, AI TECHNOLOGIES RELATED PRODUCTS AND SELF-DRIVING VEHICLES (HARDWARE AND SOFTWARE))
Certificate Number: Q-205021053103

Date of Certification:	31 st May 2021
1 st Surveillance Audit Due:	30 th May 2022
2 nd Surveillance Audit Due:	30 th May 2023
Certificate Expiry:	30 th May 2024

This Certificate is property of DBS Certifications and remains valid subject to satisfactory surveillance audits


Head of Certification



The certificate remains the property of DBS Certifications Private Limited, to whom it must be returned upon request.

DBS CERTIFICATIONS PVT. LTD.
142, 11th Floor, Axtar Enclave, Paschim Vihar, Delhi-110063, (INDIA) info@dbscertification.com, www.dbscertification.com
ACCREDITED BY:
International Accreditation Service (IAS) 3060, Saturn Street Suite 100, Brea, Ca 92821-1732, United States of America

CERTIFICATIONS



THANKS



www.gridbots.com



contact@gridbots.com



+919924826584