

# GLASSO

**INSPECTING EVERYTHING IN GLASS**

# 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**

Market Share In Solar Glass Inspection in India

**12+**

Glass Projects Completed

**10+**

Research Team

**200+**

Components Used per Machine



# GLOBAL PRESENCE



01

ROBOTRIK SYSTEMS.  
CANADA

02

DIGITAL OCEANIC.  
SF

03

DAIT COMPANY.  
RUSSIA

04

ATM.  
DAMMAN

05

ZARP LABS.  
INDIA

06

SIGNET SYSTEMS.  
AUSTRALIA

07

ENCODE SYSTEMS.  
SINGAPORE

# GLASSO GAUGE

GLASS THICKNESS  
MEASUREMENT SYSTEM

PRECISE AND FAST  
GLASS THICKNESS  
MEASUREMENT



## MULTIPOINT GLASS THICKNESS



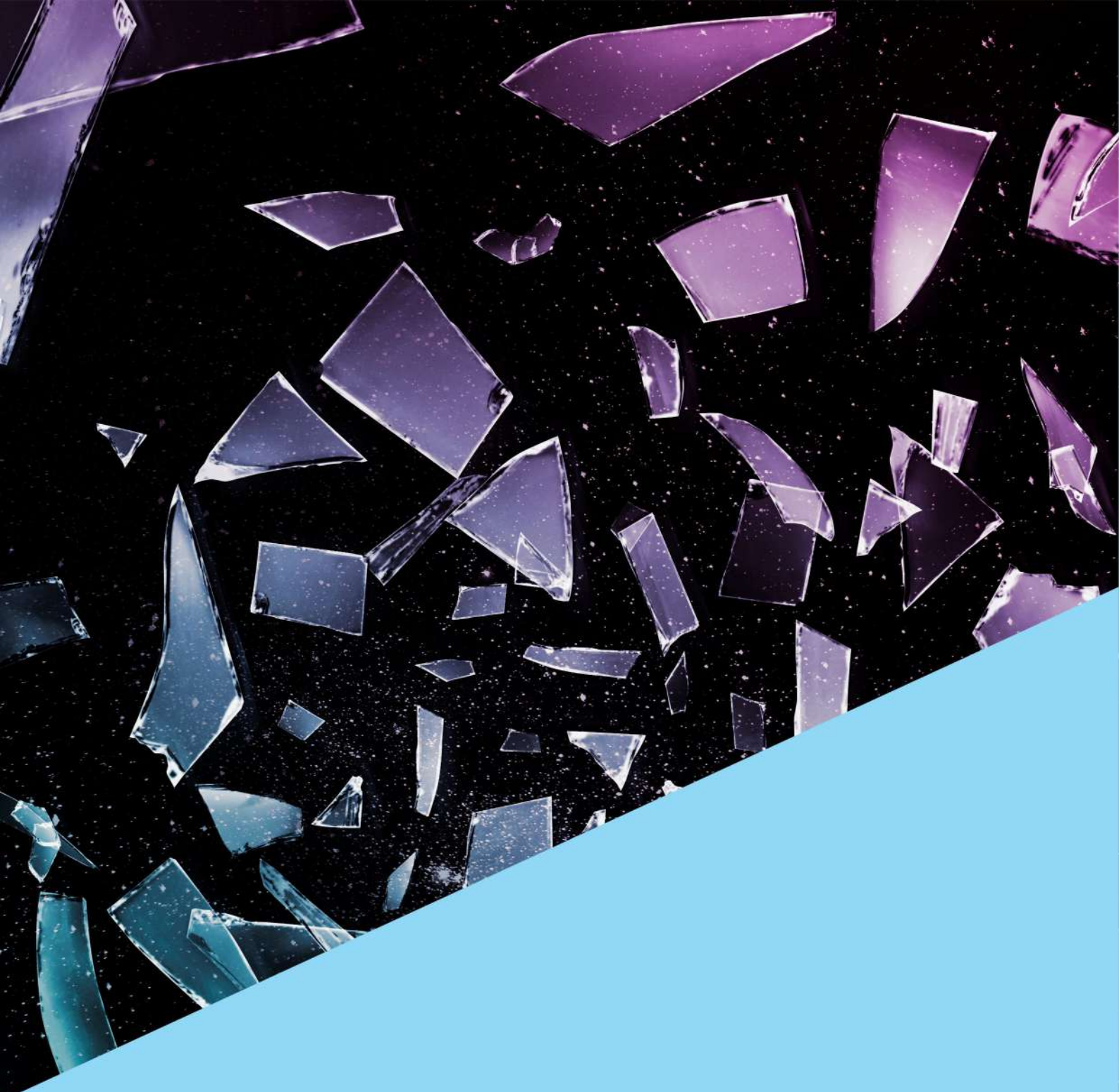
## SPECIFICATIONS

Measurement Resolution	0.05 mm
Compatibility	Solar Glass, Float Glass, Low E Glass, Patterned Glass, Tinned and Dark Glasses
Production Line Compatibility	All Glass production and Tempering Lines.
Scalability /Width / Speed Limitation	Scalable With the speed and width of Glass line
Rugged System	Low maintenance optical - Non Contact System
Compute System	High End Compute System with GPU based real time computation
Easy of Use	Multilingual Intuitive and easy to user interface
Visualisation	3D Data visualisation in real time with 3D maps
Easy integration	Compatibility with more than 99% Glass/ Tempering Lines
Control System + HMI	21" Touch Screen with x64 Architecture
System Controllers	GPU, Multicore systems and FPGA's used
Principle Illuminator	Phase Controller Coherent Lasers
Operating Environment	Non Clean Room, Non-Condensing
Operating Temperature	0-80 degrees
Remote Control and Reprting [ IOT ]	Remote login & Maintenance - IOT based control and analytics

Glasse 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 thickness. It provides the various statistical tools like mean, median, mode, scatter plots and many other data visualisation tools to provide in-depth 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.

**THE KEY TO SUCCESS AND HIGHEST PRODUCTIVITY**



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