Total Controls, Inc.
Automation Design and Integration

910 Ridgely Road
Suite D
Murfreesboro, TN 37129
(615) 893-9308
www.totalcontrols.net

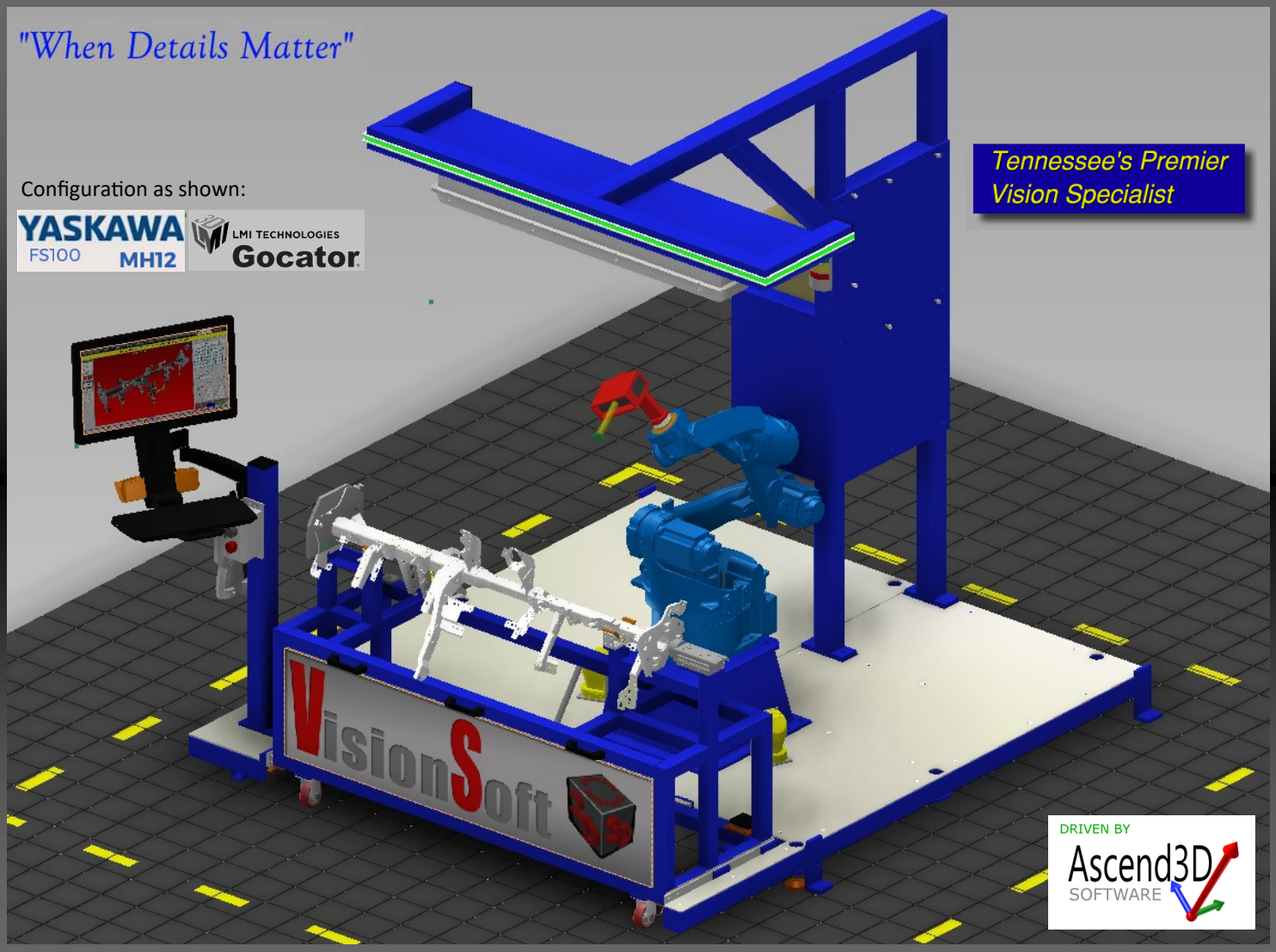
"When Details Matter"

Tennessee's Premier Vision Specialist

Configuration as shown:

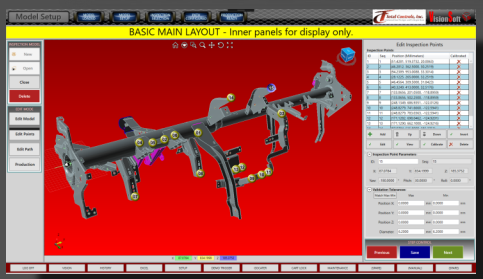
YASKAWA FS100 MH12

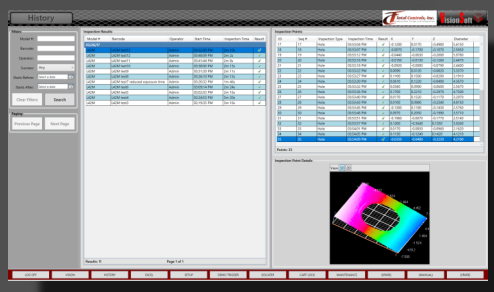
LMI TECHNOLOGIES Gocator



DRIVEN BY Ascend3D SOFTWARE

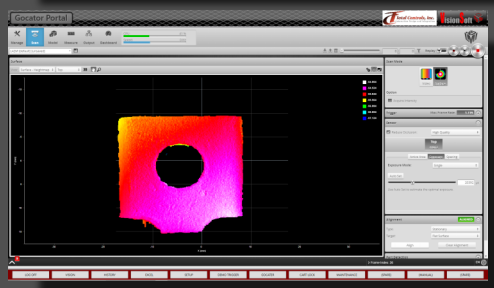
ROBOTIC GAGING with TRACEABILITY





- 3DCAD ENVIROMENT
- POINT CLOUD IMAGING
- AUTO CALIBRATION
- MICROSOFT SQL
- FULL TRACEABILITY
- REPORTING

- SELECT A ROBOT
- SELECT A SENSOR
- SELECT A FRAME
- 16 WEEK DELIVERY



2D and 3D Automated Inspection/Measurement Systems Specialists

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Automation Design and Integration

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Suite D
Murfreesboro, TN

Need more information?
steven_baldwin@totalcontrols.net
(615) 893-9308
cell: (615) 653-3771

Our Software Design:

Supports Windows XP thru Windows 10 Operating Systems
Built on latest C# MVVM Programming Architecture

Our Software Features:

Model Coordinates Translated to Robotic UCS
Measurement data in Model Coordinate System
Automated Robotic Programming.
Automated Calibration of Inspections after setup.
Visual Adjustment Control of Inspection Tooling.
Inspection results in Model Coordinate System
Built in SQL Database accessible for remote storage.
Storage of 3D Cloud based active images.
Built in Mesh Conversion for Fast Loading of Models
Built in Compact SQL Database
Professional Graphic User Interface

Our Systems:

Ansi RIA 15.06 Compliant
Utilization of Floor Laser Safety Scanners Protection
270 Degree Ergo Display Adjustments
7500 Lumen Overhead Lighting
Removable Precision Locking Carts
RGB Addressable LED String for High Visibility Notifications
Aluminum Tread Plate flooring
3" x 3" Powder Coated Steel Tubing Frame
Eight Adjustable Levelers and Anchors.
Optional Belted Conveyor Configuration
Turn-Key Control for Discrete Sensors and Solenoids.
Built in support for 1D and 3D Barcode Scanners (wedge)
Built in support for Printronix Label Printers 1D and 3D
***** Contact us for other form factors and special designs.

Compatibility:

Custom Drivers to support multiple Robot Vendors
Custom Drivers to support popular 2D and 3D Vision Vendors
Custom Drivers to support popular Laser Vendors
Accepts Industry standard STEP File Format

About Us

Incorporated in 2003
Over 30 years' experience in the Automation Industry
Over 20 years' experience in Vision Integration

- Drivers designed and built per order.

YOU SELECT THE ROBOT:*

FANUC
YASKAWA
ABB
EPSON EXCEED YOUR VISION
adept YOUR INTELLIGENT ROBOTICS PARTNER
DENSO
UNIVERSAL ROBOTS

YOU SELECT THE SENSOR:*

LMI TECHNOLOGIES
KEYENCE
COGNEX

Ascend3D SOFTWARE