MATRIX AUTOMATION

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Manufacturing Solutions to Optimize Complex Assembly

40+ years | 4,000+ projects | 4 continents

For more than 40 years, Matrix Automation has forged long-lasting customer partnerships that help manufacturers overcome their toughest challenges – including on-time delivery, build-to-order assembly, quality, waste, and compliance.

Automation innovator Bill Kaman started Matrix in 1983, and our second-generation, woman-owned business is even more committed to your success than ever.

Using proven software and services, Matrix optimizes assembly manufacturing and leverages Industry 4.0 technology. We've delivered results on 4,000+ projects, helping manufacturers increase quality and throughput by digitizing processes, error-proofing, and expertly orchestrating production.

Outcomes

Increase profitability by optimizing processes, reducing warranty issues, and supporting right-sized operations

Improve quality and error-proof operations, leveraging poka-yoke best practices

Boost flexibility and agility to accelerate production and support workforce changes

Meet regulatory compliance requirements and deliver end-to-end traceability

Improve visibility and decision-making with real-time dashboards and reporting

Zero Defects with Matrix Automation

"The Matrix solution helped Woodbridge take defects from 1400 PPM (Parts Per Million) to 5 PPM and then to ZERO."

- *Scott Wolbers, 30+ years, Plant Management, Woodbridge Group*

Manufacturing Industry Focus

- Automotive Manufacturing
- Medical Manufacturing
- HVAC Manufacturing
- Appliance Manufacturing
- Aerospace Manufacturing
- Other Complex Discrete

Manufacturing Execution Systems (MES) & Intelligence

Work Order Management
- Production scheduling
- BOM management
- Production sequencing

Process Management
- Digital work instructions
- Production Line & work cell
- Tool monitoring & control

Materials Management
- Component validation
- Lineside replenishment
- Pick to light

Integration
- Digital Supply Chain / Broadcast Management
- Level I / II systems & ERP

Quality & Error-Proofing
- Inline testing
- Visual audit
- Defect logging
- Real-time SPC

Finished Goods
- Pack out
- Labeling / Label printing
- Warehouse & shipping

Reporting & Visualization
- Dashboards
- Andon and alert systems
- Out of Spec
- Genealogy / Traceability
- Defect logging
- Takt time
- Process execution history

Extensive Customer Experience | Trusted by Global Manufacturers

- Adient, Bridgewater
- Air Products
- American Tool & Die
- Armstrong Air
- Autokiniton (Tower)
- Bendix
- Bonnell Aluminum
- Chicago Pneumatic
- Chromalloy
- Ciba Vision
- Comp. Logistics CLI / GM
- Conagra

- Daikin
- Dakkota Int. Systems
- Delphi, PHINIA Inc.
- Detroit Chassis / Ford
- Evcon
- Fori Automation / GM
- FORVIA, Faurecia / Ford, Jeep, Chevrolet, Chrysler
- GE Appliances
- Humanetics
- Husco
- IAC Group

- IntelliTrak (OCS)
- Invacare
- Isola
- Johnson Controls
- Lear / Ford, GM, Chrysler
- Manfredi
- Mayco International
- Meritor Automotive
- Meritor Wabco
- Nordson
- Pillsbury
- Power Pack / GM

- Pride Mobility
- Ryder
- Tech-Con Automation
- Tekno
- Toolcraft
- Vascor
- Ventra
- Visteon
- Whirlpool
- Woodbridge Group / GM
- Yanfeng / BMW, Volvo, VW
- York International