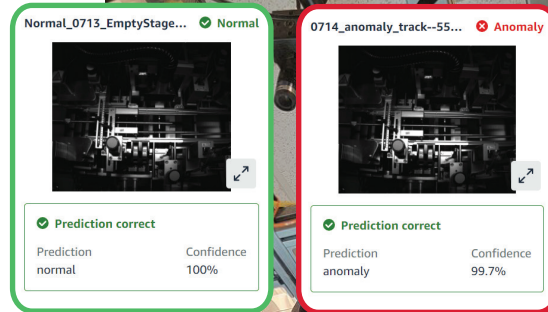# Denali End to End Solutions
Assisted Line Clearance

Fixed Scanning | Machine Learning - AI | Machine Vision | IoT Services | Robotics

DENALI

ZEBRA

We make it
Ready

At Denali, we specialize in taking best-of-breed technologies and developing end-to-end solutions that are ready for your business to implement now. Our industry leading automation solutions provide the ultimate in price to performance from design, to integration, to post-sale support.

Normal_0713_EmptyStage... ✓ Normal

✓ Prediction correct

Prediction	Confidence
normal	100%

0714_anomaly_track--55... ✗ Anomaly

✓ Prediction correct

Prediction	Confidence
anomaly	99.7%

High-Resolution Imaging

- Detect 100% of anomalies with 100% confidence
- Smart MV lighting

Machine Learning

- Powered by Amazon Lookout for Vision
- Continuous improvement in the ML model

Edge Computing

- Reduced latency for real-time decisions
- Scale to accommodate growth with consistent performance

Data and Audit

- Secure log of all inspections, anomalies, and actions taken
- Correlate anomalies with specific production runs

Support Services

- 24/7 T1 and T2 support
- Remote and field support

Pain Points

- Long manual process: it often takes 3-4 hours to manually inspect and clear a line
- Employee safety: MV/ML reduces the need for human inspection
- Rising costs: every manual inspection event leads to higher overhead

Why Denali End to End Solutions

To ensure customer success, Denali manages every step of the solution integration process including:

- Site Surveys
- Mechanical Design
- Solution Design
- Denali Accessories: FIS Connectivity Box Options, I/O Options, Framing/Mounting
- Configuration and Programming
- Business Connectivity including Customer Dashboard Creation
- Production
- Deployment/Installation
- Service and Annual Maintenance

Customer Success Story

When Denali was asked to implement an automated line clearance solution for one of the top-5 pharma enterprises in the world, Denali engineered a fully scalable end-to-end solution that was a perfect fit for their existing manufacturing and inspection processes.

Denali's implementation processes allowed the solution to be ready for action in record time, resulting in ROI payback in under 6 months.

Project Outcomes
- ✓ 800% throughput improvement
- ✓ 50% human error reduction
- ✓ Reduced operational costs by 13%