

**Integrated Automation Systems**

- ❑ Assembly/Test Systems
- ❑ Manufacturing Systems

**Technologies And Products**

- ❑ Conveyors
- ❑ Gantry Robots
- ❑ Machine Loaders
- ❑ Lean Cells
- ❑ Robot Integration

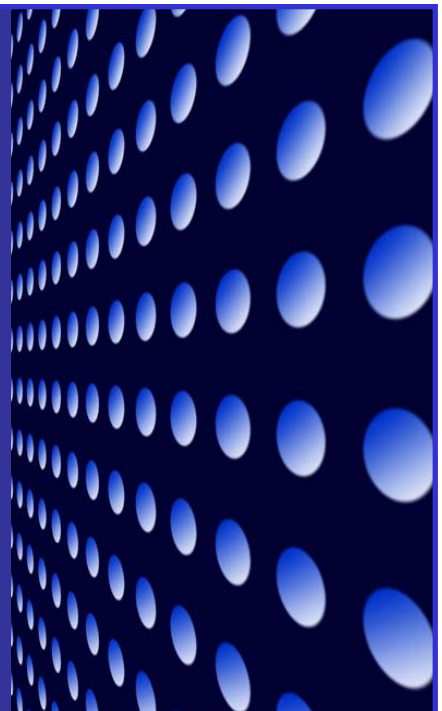
**Build To Spec Capabilities**

**Consulting Services**

- ❑ Lean Manufacturing
- ❑ Mechanical Engineering
- ❑ Controls Engineering
- ❑ Project Management

**Service & Support**

- ❑ Training
- ❑ Maintenance
- ❑ Retooling & Refurbishing



## Providing Integrated Factory Automated Solutions Since 1976

- **30+ Years Experience**
- **Factory Automation Leader**
- **Wide Range of Automation Solutions**
- **ISO 9001/2000 Certified**
- **Custom Solutions**
- **Extensive Experience and Know-How**
- **Automation Technology**
- **Modular, Flexible and Re-Configurable Products:**
  - ✓ **Tech-Trak® and Other Conveyor Products**
  - ✓ **Gantry Robots**
  - ✓ **Machine Loaders**
  - ✓ **Lean Manufacturing Cells**
  - ✓ **Robot Integration**

Wes-Tech Automation Solutions (WTAS) designs, builds, and implements factory automation solutions consistent with the best practices in manufacturing and automation. Founded in 1976, the company has over thirty years of demonstrated experience in developing and delivering innovative factory automation solutions.

In 1981 the company introduced “palletized” conveying into assembly automation and became one of the first Fanuc Robotics system integrators. Over the years the company created assembly and test systems for everything from “Scotch Tape” to roof shingles, and has provided manufacturing automation for parts as diverse as truck control arms and hard drive “Flyers.” Projects have ranged from \$50,000 to \$7,000,000.

Our solution development approach aims at delivering the best value by maximizing the solution economic benefits, minimizing the total cost of ownership, and extending the solution lifecycle. Our consulting services span process design, concurrent engineering design, lean manufacturing and professional project management.

WTAS has developed best of class automation technology in gantry robots, machine loaders/unloaders, Tech-Trak® conveyors and other automation equipment that round out its material handling and automation products offerings.



### USA – ILLINOIS

**Wes-Tech Automation Solutions LLC  
(WTAS) - Headquarters**

720 Dartmouth Ln., Buffalo Grove IL 60089  
847-541-5070



# Total Integrated Approach To Value Creation For Our Manufacturing Customers

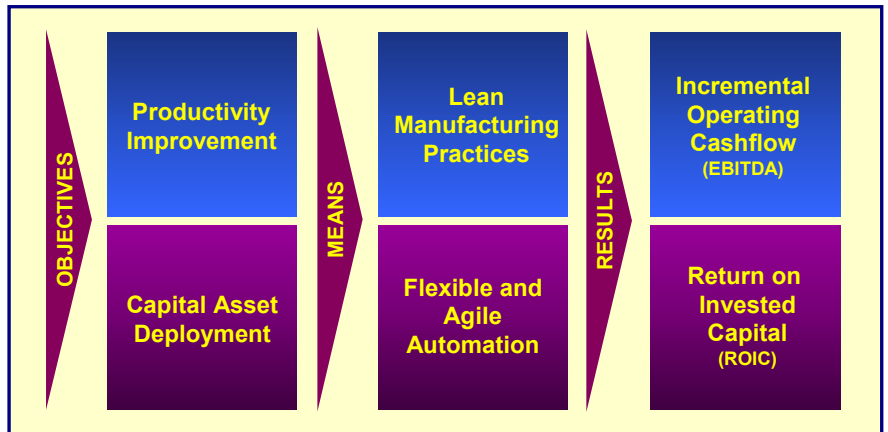


Our value creation approach is to improve productivity and operational performance while achieving optimal capital asset deployment and return on investment.

Our approach focuses on the total design and implementation of the conversion process based on best manufacturing and automation practices.

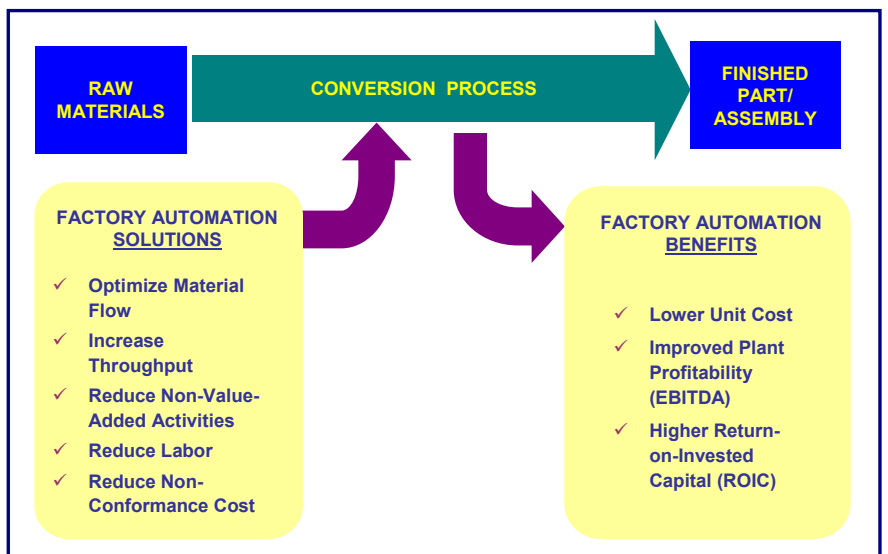
Combining its operational expertise and automation experience, WTAS is positioned to deliver maximum value for our manufacturing customers.

- ✓ Best Return on Invested Capital
- ✓ Record Time-To-Market
- ✓ Project & Supply Chain Risk Management
- ✓ Lowest Total Ownership Cost
- ✓ On-Time Delivery of Integrated Solutions



We believe the best cost-to-value automation solution requires:

1. **DESIGNING** or **RE-DESIGNING** the existing discrete manufacturing and assembly conversion process by identifying related improvement opportunities that result in incremental cashflow improvement.
2. **AUTOMATING** the improved process by utilizing technologies and equipment that deliver manufacturing flexibility and agility which maximize ROIC.
3. **MANAGING** the project and the supply chain risk to ensure execution performance to plan.
4. **PROVIDING** continuous improvement through process enhancements and capital asset reuse.



# Solutions That Improve Factory Performance

## Development, Implementation and Integration of Automated Manufacturing and Assembly Solutions

## Core Competencies



Concept Development



Engineering Design



Implementation & Test



Integration Planning



Project Planning



Delivery & Support

- Mechanical Engineering
- Electrical Engineering
- Professional Project Management
- Assembly Capabilities
- Robot Integration
- Field Service & Support
- Automation Technologies
- Programming

**RAW MATERIALS**

**CONVERSION PROCESS**

**FINISHED PART/  
ASSEMBLY**



**Automating Material Flow**



**Automating Manufacturing Operations**

**Automating Assembly/Test Operations**

**Integrating All Factory Operations**



## Significant Cross-Industry Experience and Know-How

### ➤ Automotive Products

- ✓ Car and Light Truck Chassis Modules
- ✓ Engine & Transmission Components
- ✓ Valves and Pumps
- ✓ Interior Module Components
- ✓ Exterior Module Components

### ➤ Consumer Products

- ✓ Disposable Products
- ✓ Appliances
- ✓ Recreational
- ✓ Food & Beverage

### ➤ Pharmaceutical and Medical Products

- ✓ Contact Lenses
- ✓ IV Valve Sets
- ✓ Blood Diagnostics

### ➤ Electrical and Electronic Products

- ✓ Assembly Components
- ✓ Parts and Assemblies

### ➤ Other

- ✓ Motorcycle Components
- ✓ Small Engines
- ✓ Superchargers

## Hundreds of Projects in Multiple Industries With Industry Leaders

#### AUTOMOTIVE

- Advics
- Aisin
- Allison Transmission
- American Axle
- Amcast
- Bosch
- Borg Warner
- Cooper Tire
- Daimler Chrysler
- Dana
- Delphi
- Eaton Corp.
- Gecom
- Hayes Lamerz
- Husco
- ITT
- Intermet
- Meridian Magnesium Products
- Metaldyne
- TRW
- United Technologies
- Visteon

#### NON-AUTOMOTIVE

- 3M
- Abbott
- Baxter
- Copeland Compressor
- Electrolux
- Harley Davidson
- IBM
- Kohler
- Kirby
- Mack Truck
- Mercury Marine
- Regal Ware
- Remelle Engineering
- Tecumseh Products
- Trane
- Weber
- Wessley Jessen

DAIMLERCHRYSLER

HONDA



BOSCH

metaldyne

HELLER

Baxter



INTERMET

EX-CELL-O

TRW

HUSCO International



3M



ADVICS CHASSIS ADVICS Manufacturing Ohio, Inc.

GROB



EATON



Electrolux

AISIN

ITT Industries Engineered for life

AMCAST

Tetra Pak protects what's good™



QUEST FOR THE BEST



QUEST FOR THE BEST

DELPHI

CATERPILLAR

STANADYNE

EAGLE EPICKER

Wessley Jessen

## Proven Technology: Flexible, Modular, and Re-Configurable Products



### *Integrated Factory Automation Solutions ...*

*...From Concept To  
Implementation...*

*...With Products Designed  
For Flexible and Agile  
Manufacturing*

Factory Automation Products (standard configurable designs) for production flexibility and capital asset re-deployment

- **Conveyors for Precision Manufacturing and Assembly**
- **Pallet Conveyor Systems and Components**
- **Gantry Robots**
  - ✓ Machine Tool Loading
  - ✓ Material Handling
  - ✓ Pick-N-Place
- **Parts Magazines for Machine Loading and Material Handling**
- **Vision Guided Matrix Tray Load/Unload**
- **Lean Cells**
- **Robot Integration**

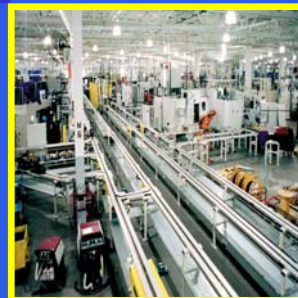


**Cellmaster  
PalMaster  
Machine  
Loaders**



**Gantry Robots**

- Machine Tool Loading
- Material Handling
- Pick-N-Place



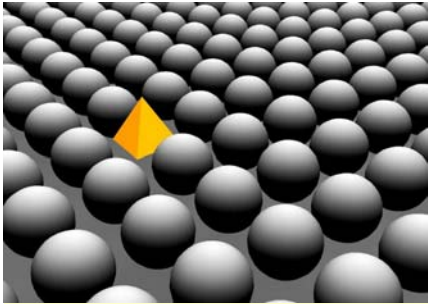
• **Lean Cells**  
• **Robot Integration**



**Tech-Trak®  
and other  
Conveyor  
Products**



# Why Wes-Tech: Vision, Mission, Values, Leadership, Customer Focus



The difference is our ability to give our customers:

- ✓ Best Return on Invested Capital
- ✓ Record Time-To-Market While Managing Project and Supply Chain Risk
- ✓ Lowest Total Ownership Cost
- ✓ On-time Delivery of Integrated Solutions (Maintaining 98% Performance for the last 5 years)

## Vision

Lead our customers to the next level of manufacturing and factory automation evolution

## Mission

Create value for our manufacturing customers through the development and implementation of innovative automation solutions

## Values

Demonstrate integrity, performance, innovation, and teamwork in every aspect of our business and professional behavior

## Leadership

Increase our value contribution to our customers' business by continuing to blaze new trails in factory automation through the application of best practices in manufacturing and automation technology

## Customer Focus

Align our investments in our core competencies, know-how, and capabilities with those of our customer's as part of long-term partnerships

### INTEGRITY

- Customers
- Employees
- Stakeholders
- Suppliers



### PERFORMANCE

- Qualifications
- Effort
- Results
- ROI



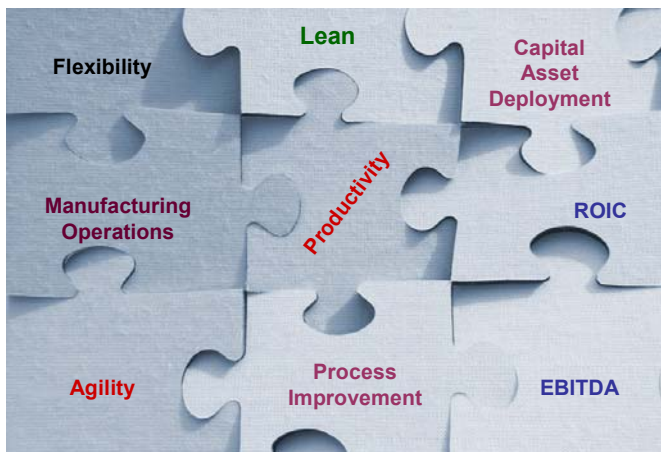
### INNOVATION

- Evolving Solutions
- Products
- Processes
- Practices



### TEAMWORK

- Leadership
- Mentoring
- Coaching
- Teambuilding



A Company You Can Depend On For Your Factory Automation Solutions