

# DTE

**Detroit Tool & Engineering**

## Automation for the Pharmaceutical and Medical Device Industries

Focused Specialties → Broad Capabilities



Turn-key packaging systems

### ATW - Your One Source GMP Partner in Success

For over seven decades, DTE has been the leading company in providing innovative automation solutions to the Pharmaceutical and Medical Device industries. Our solutions range from simple lean cells and prototype equipment to turn-key manufacturing systems.

We also offer several standard platforms for automated assembly, which will provide you with a field proven system in extremely short delivery times. These systems will allow you to use the same platform as your product volumes increase over your product life cycle.

Please contact us today for your free application analysis of your manufacturing plans for your new or existing product.



High-speed pharmaceutical assembly systems

### Detroit Tool & Engineering

[www.detroittool.com](http://www.detroittool.com)

#### - High-Speed Assembly Systems

- Synchronous Systems
- Non-Synchronous Systems
- Continuous Motion Systems
- Robotic Cells And Systems
- Ultra Precision Tooling

#### -Semi Automated Systems

#### -Material Handling Systems

#### -Lean Cells

#### -Testing Systems

#### -Inspection Systems

#### -Clean Room Systems

#### -Machine/System Replication

#### -Packaging Line Integration

#### -Turn-Key Manufacturing Systems

#### -Engineering Services

- Design For Assembly Analysis (DFA)
- Failure Mode Element Analysis (FMEA)
- Design Of Experiment (DOE)
- Concurrent Engineering
- Proof Of Principle Prototyping
- Risk Mitigation Management
- Support For FAT,SAT,IQ,&OQ
- Support For 21 CFR Part 11 Issues
- Support For Rapid Production Ramp-Up

Please contact us today to discuss how we can help you get your product to market before your competitors do!

#### Detroit Tool and Engineering

441 West Elm Street  
Lebanon, MO 66536  
Phone 417-532-2141

#### Detroit Tool and Engineering / Midwest

470 East Route 22  
Lake Zurich, IL 60047

#### Detroit Tool and Engineering / Bodine

230 Long Hill Cross Road  
Shelton, Connecticut 06484

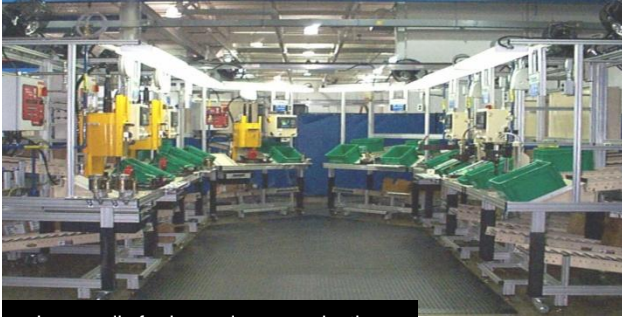
Website: [www.detroittool.com](http://www.detroittool.com)

Email: [sales@detroittool.com](mailto:sales@detroittool.com)

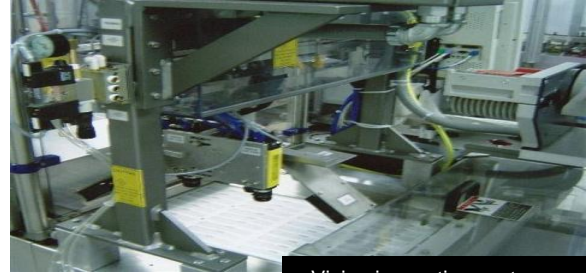
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## Automation for the Pharmaceutical and Medical Device Industries



Lean cells for low-volume production



Vision inspection systems



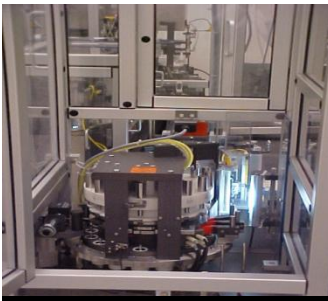
Custom material handling systems

*Let our decades of experience assist you in developing proven manufacturing solutions for your automated production of :*

- Syringes*
- *Catheters*
- *Inhalers*
- *Valves*
- *Glucose Monitors*
- *Insulin Pumps*
- *Dosage Dispensers*
- *Trans Dermal Patches*
- *Pen Injectors*
- *Oral Contraceptives*
- *Filters*
- *Diagnostic Kits*
- *IV Sets and Sub-Assemblies*



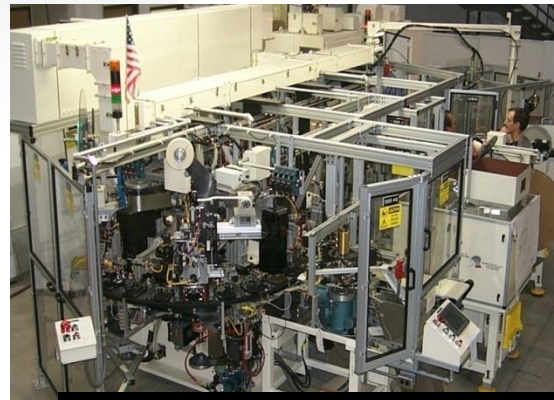
PRISM in-line for incremental production needs



High-speed labeling systems



Turn-key medical device production line



High-speed medical device assembly systems

Headquarters

*Detroit Tool and Engineering*  
Lebanon, MO  
417-532-2141

Other DTE Locations

*DTE / Midwest*  
Lake Zurich, IL  
847-438-1009

*DTE/ Bodine Assembly*  
Shelton, CT  
203-712-1900