

Capabilities

concept

CONCEPT

Projects begin with Concept Development to define potential solutions. This development may include:

- Discovery & Scope Definition
- 3-D modeling & Prototyping
- Proof of Process (PoP) testing

design

DESIGN

After developing initial concepts, mechanical design is accomplished using a variety of software packages.

- SolidWorks – 3-D modeling
- COSMOS – element analysis
- ANIMATOR – travel & motion simulation
- Photoworks – machine documentation

Control Systems

Our control systems are designed, manufactured and qualified in-house to a wide variety of customer specifications and standards.

- PLC/PC Control Systems
- Robotics Integration
- Vision Systems
- UL Certified

build

BUILD

Isthmus Engineering has extensive in-house manufacturing and assembly capabilities including:

- CNC Fabrication
- Wire EDM
- Secure Build Environment
- Expertise in GMP requirements
- Laboratory Testing Environment
 - Climate Control Capabilities
 - Robotics
 - Vision Inspection



MADISON, WISCONSIN A WORKER-OWNED COOPERATIVE SINCE 1980

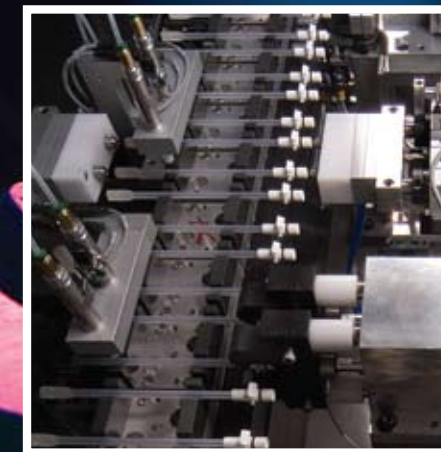
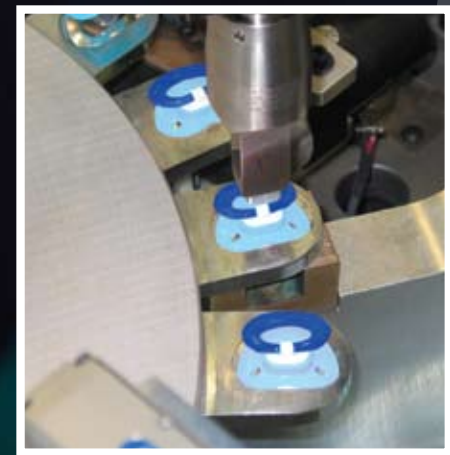
Isthmus Engineering's commitment to the success of our customers and their projects is a function of our unique corporate structure. Established as a worker's cooperative, the success of our employee-owned company is contingent on the performance of the entire team. You have our promise that the product we provide will be the result of the very best efforts of our entire staff.



4035 Owl Creek Drive | Madison, WI 53718-4405 | 608.222.9000 | isthmuseng.com

© 2008 Isthmus Engineering and Manufacturing. All rights reserved. Isthmus Engineering is a worker-owned cooperative.

WE DESIGN AND BUILD CUSTOM AUTOMATION

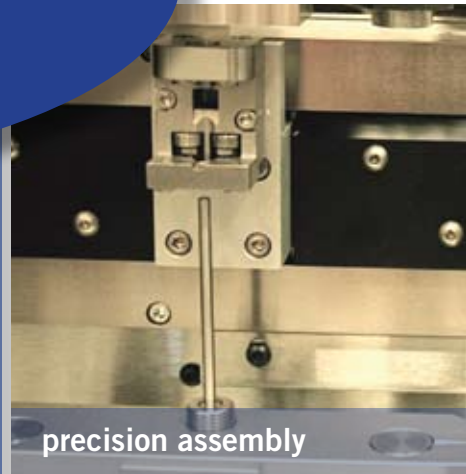


A MADISON, WISCONSIN **WORKER-OWNED**
COOPERATIVE SINCE 1980

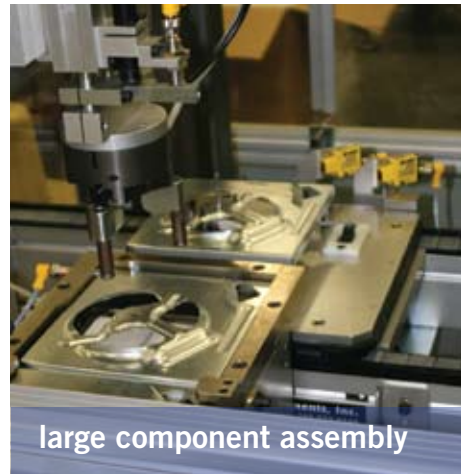
Applications



web handling



precision assembly



large component assembly



custom packaging



custom material handling



custom machining



robotic integration



inspection/testing

- Web Handling
- Precision Assembly
- Large Component Assembly
- Custom Packaging
- Custom Material Handling
- Custom Machining
- Robotic Integration
- Inspection/Testing



Isthmus Engineering & Manufacturing utilizes **experience and technology** to develop efficient and innovative solutions to meet your **custom automation** needs.

Our approach, from **concept to completion**, merges the project requirements of the customer with the **experience and ingenuity** of Isthmus Engineering & Manufacturing.

We will **integrate your process knowledge** and **our expertise** to successfully develop **your automation solutions**.



Markets Served



consumer products



medical



industrial



automotive

We have provided **custom automation** solutions to companies in a range of markets.

- Medical/Pharmaceutical
- Consumer Products
- Industrial
- Automotive
- Emerging markets



emerging markets