



**ULTRA TECH Machinery, Inc.**

ISO 9001: 2000 with Design

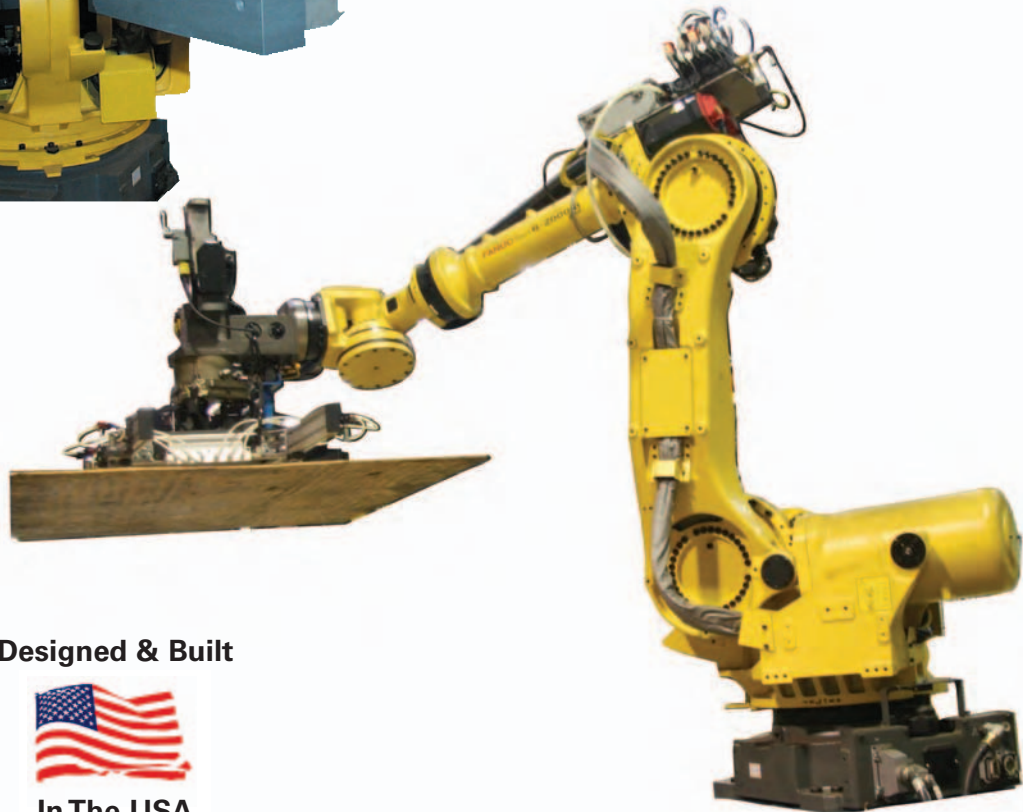
# Automation and Robot Integration

Turnkey Solutions For High Production Operations



**FANUC**  
Robotics

Authorized System  
Integrator



Designed & Built



In The USA

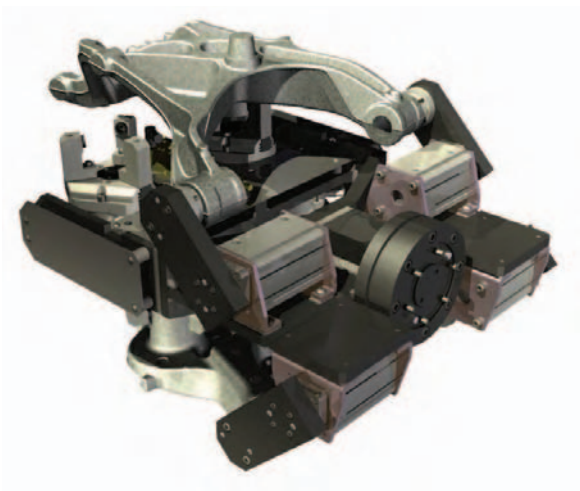
# Turnkey Robotic and Automation Solutions

## Ultra Tech Machinery, Inc.

*The Leader in High Production Robotic and Automation Solutions*

Ultra Tech Machinery has more than 20 years experience creating turnkey automation systems. Whether your company has a small automation project or a large multi-cell system, we have the capabilities to make your project a success.

We propose a design solution after a comprehensive assessment of the customer's needs. This allows us to develop a system tailored specifically for your company. Our engineers have a great deal of experience in both dedicated and flexible automation systems. We can choose from a wide variety of automation solutions including walking beams, overhead gantries and robotic cells. We often examine more than one automation choice before narrowing down the final system selection.



## Turnkey Solutions

- Program management, including total system design, integration, and installation
- Complete electrical system design
- Automation safety risk assessments
- 3-D mechanical design
- Reference ANSI RIA, OSHA, and NFPA standards
- Off-line cycle testing and simulation
- Robot programming and optimization
- End of arm tooling design and manufacture
- Complete part dunnage design and fabrication
- Safety compliance guarding and procedures
- Custom software development
- Interfacing machinery to automation



# Industries & Applications

Ultra Tech Machinery has experience providing turnkey automation solutions for the following industries/applications:

- Automotive
- Paint and coating lines
- Packaging
- Assembly
- Vision guided systems
- Automated 3-D laser robotics
- Machine tending
- Press tending
- Palletizing cells
- Material removal
- Polishing and buffing cells
- Dedicated automation, including:
  - Walking beam
  - Overhead gantry
  - Rotating pick-n-place automation

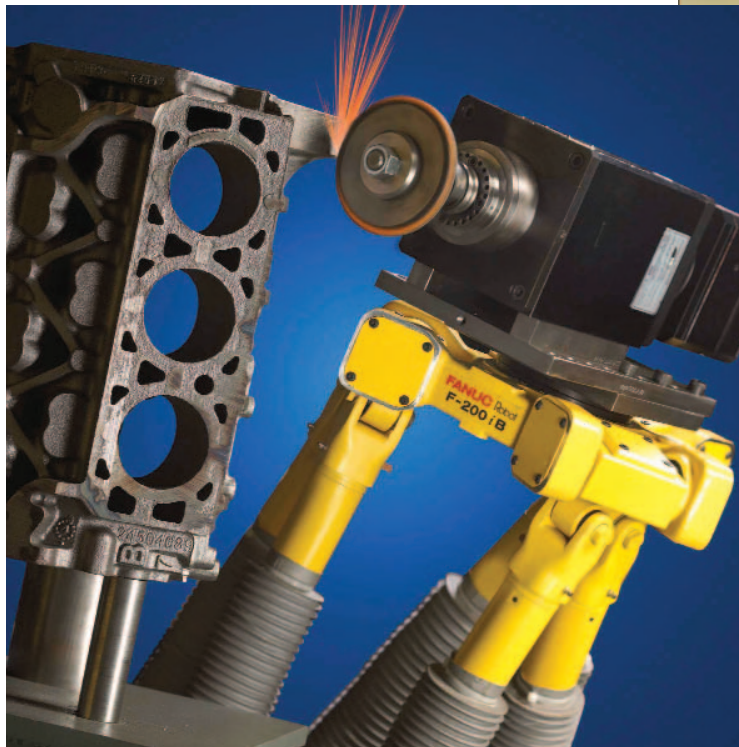
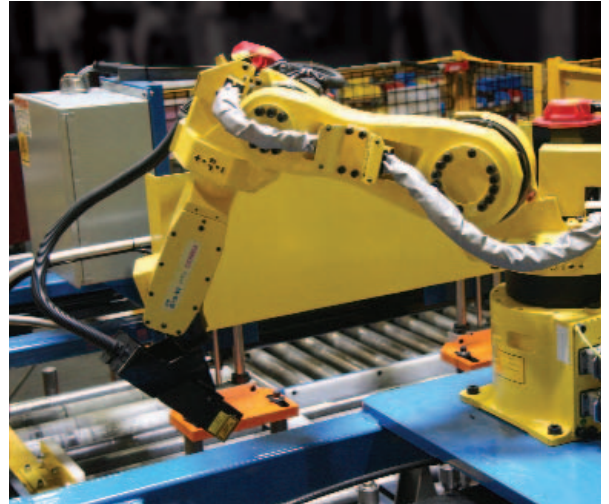
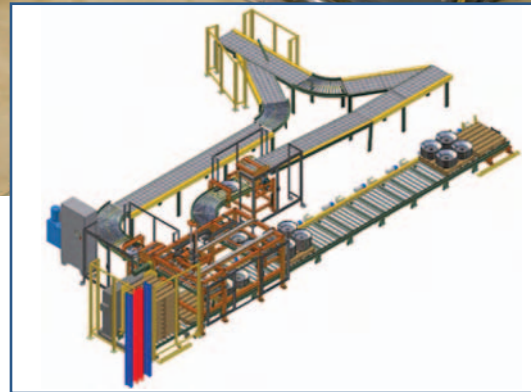
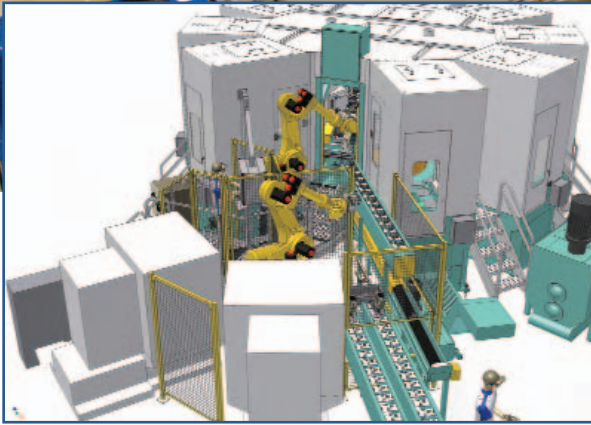


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## Project Management and Quality from Start to Finish

Obtaining QS and ISO certification in 2001 compelled us to implement and maintain a team-oriented organization, focusing on each aspect of the design, assembly, and quality assurance process. Using 3-D solid modeling for all designs in addition to detailed initial equipment specifications, weekly updated project plans, and inspection sheets for critical components all help ensure consistent, high quality solutions.



Authorized System  
Integrator

## Automated Machine Tool Systems

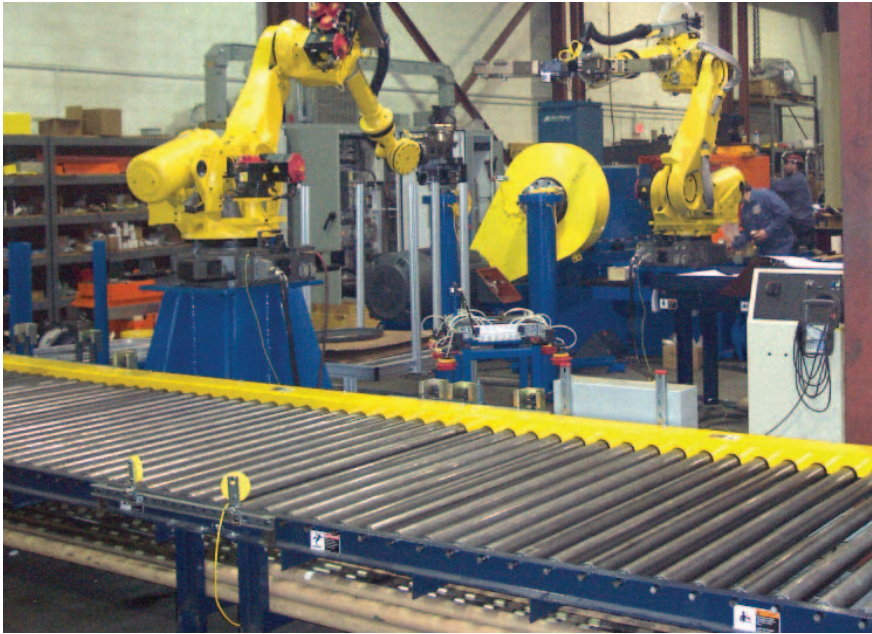
Ultra Tech has successfully provided automated machine tool systems to a variety of end users and distributors. Typical services include:

- Initial design layouts
- Cycle time analysis
- Machine tooling design
- Machine fixture design
- Robot end of arm tooling
- Machine and robot programming
- Machine and robot interfacing
- Cell runoff and cycle verification
- Comply with part quality requirements

## Training and Support

- Training classes for maintenance and robot operator personnel
- Thorough documentation provided in a timely manner after project is complete
- Responsive production support and service

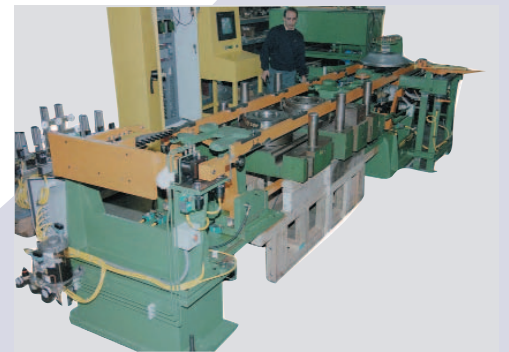
# Dedicated and Flexible Automation Solutions



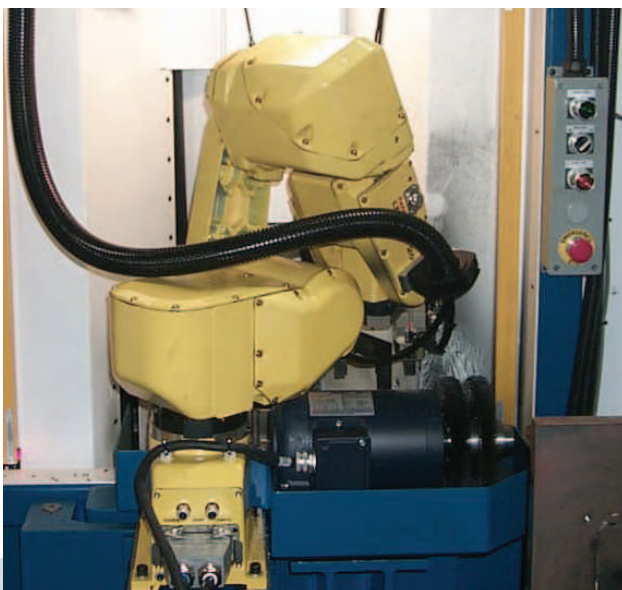
**Multiple Robot Machine Tending**  
Machine tending with vision guided robotics



**Pick-N-Place Automation**  
250-lb capacity, 5-ft radius



**6-Station Walking Beam**  
Setup for off-line testing



**Machine Loading**  
Loading of 6-station rotary transfer machine



**Dual Gripper 2-Axis Overhead Gantry**  
144" horizontal travel, 36" vertical travel

**Smithers Quality Assessments, Inc.**

CERTIFICATE OF APPROVAL

This is to Certify that the Quality Management System of:

**ULTRA TECH MACHINERY, INC.**  
318 Remington Road and 338 Remington Road  
Cuyahoga Falls, Ohio 44224-4916

has been assessed and approved by Smithers Quality Assessments, Inc.,  
to the following quality management system standards and requirements:

**ISO 9001:2000 With Design**

The Quality Management System is Applicable to:

The design and manufacture of integrated machine tool solutions  
for production and original equipment manufactures.

Approval  
Certificate Number: 01.082.1

Original Approval: March 23, 2001

Current Certificate: March 23, 2007

Certificate Expires: March 22, 2010



The use of the certification mark constitutes authorization  
in respect of those activities covered by the Accreditation  
Certificate Number 01.082.1.

on behalf of SQA - J. Michael Hochschwender, President

The approval is subject to the company maintaining its system to the required standards which will be monitored by  
Smithers Quality Assessments, Inc., 455 W. Market St., Akron, Ohio 44302-2099



Corporate Offices



Manufacturing Facilities



**ULTRA TECH Machinery, Inc.**

Ultra Tech Machinery, Inc.

Corporate Office

338 Remington Road

Cuyahoga Falls, Ohio 44224

ph. (330) 929-5544

fax (330) 928-8458

www.utmachinery.com

Midwest Office

St. Louis, MO

ph. (314) 726-1745

fax (314) 727-2941

cell (314) 568-7119