

Wes-Tech

BUILD TO SPEC



Build To Spec

Capabilities



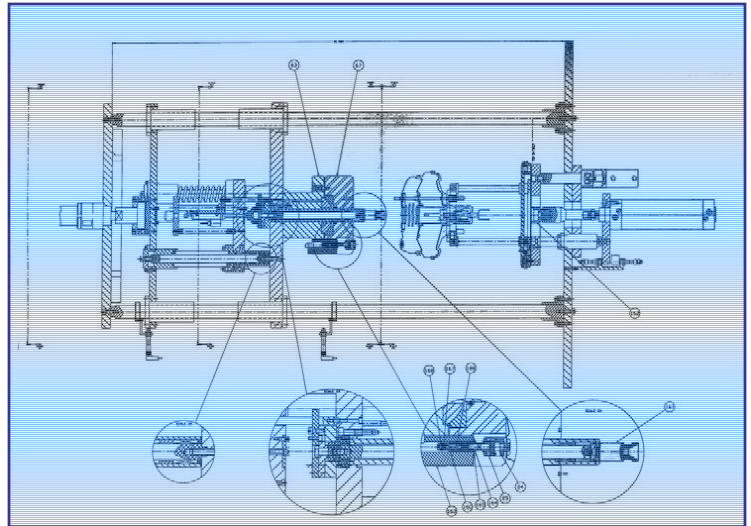
Integrated Factory Automation Solutions
Enhancing Productivity and Capital Asset Performance



Experience • Capabilities • Dependability • Global Support

Wes-Tech Automation Solutions (WTAS) Build-to-Spec is an outsourcing service specializing in providing customer-designed equipment.

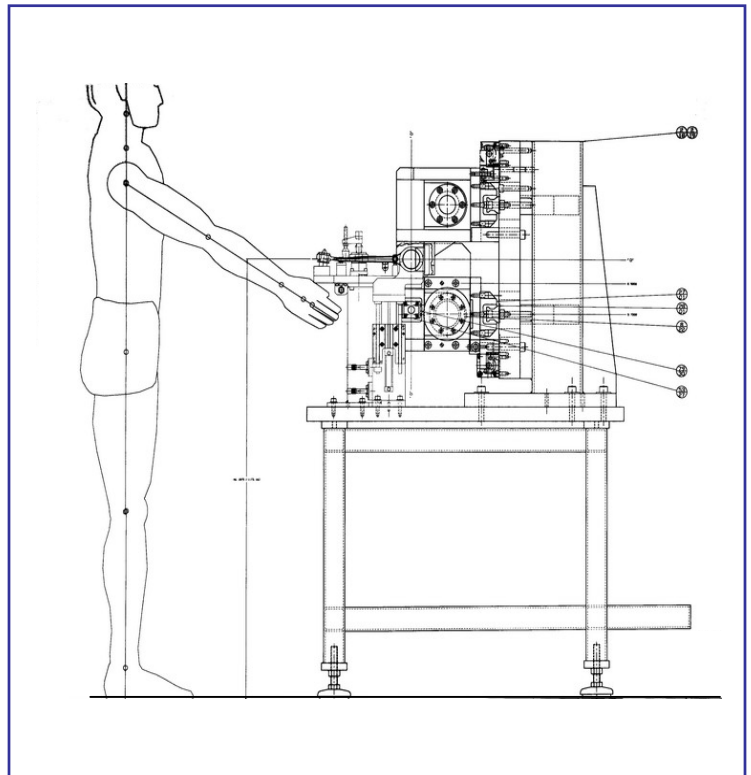
- ❑ 30 years experience
- ❑ ISO9001:2000 certified
- ❑ Experienced machine builders and technicians
- ❑ Multiple low-cost facilities
- ❑ Global support



The WTAS Build-to-Spec offers fabricated, fully tested, and ready-to-install precision mechanical and electromechanical assemblies built to your drawings and specifications.

Our expertise includes:

- ❑ Mechanical assemblies
- ❑ Electromechanical assemblies
- ❑ Fully functional manufacturing systems
- ❑ Fully functional assembly and test systems
- ❑ Tooling and Fixturing





It is becoming increasingly difficult for companies to perform every process and activity required to build their product within their facilities. 90% of all manufacturing companies plan to outsource in the near future to better utilize their resources. Outsourcing allows our customers to operate leaner, and to focus on their core business. It improves cost-effectiveness by allowing to streamline their operations.

We have extensive experience with stringent Quality Control specifications. Your documents, prints, and procedures are used to build your products. We are ISO9001:2000 certified, and our ISO procedures apply to all aspects of our equipment building production. These procedures ensure that you receive equipment that meets all your requirements.

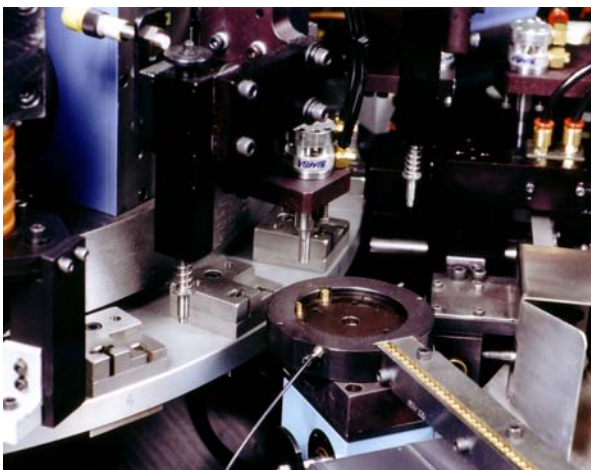
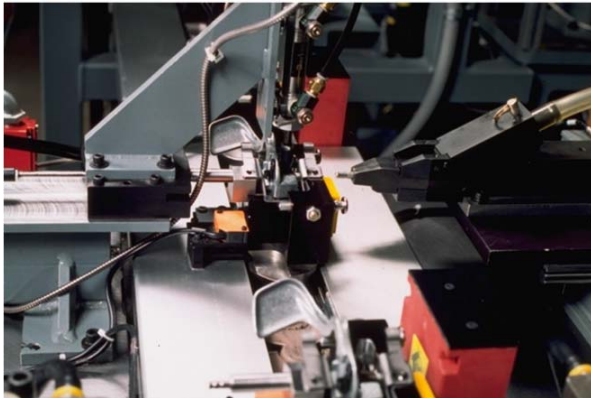


- We use your drawings and process instructions.
- Documents are controlled under an electronic Document Control System
- Work instructions and all drawings are processed to our ISO standards and procedures.
- We use your approved sources for secondary processes, or our own, whichever you prefer.
- You retain complete control over your product.
- We provide you with a complete equipment or system that is:
 - ✓ Fully Fabricated
 - ✓ Processed
 - ✓ Assembled
 - ✓ Acceptance Tested
- WTAS bolts it in place, and it's ready to run.

In addition to supplying new equipment and fixtures, we can provide overhaul and refurbishment services. Equipment is completely disassembled, cleaned, and inspected. Worn or damaged parts are replaced, protective finishes are re-applied, and the equipment is re-assembled. We perform full Acceptance Testing to ensure the equipment meets or exceeds your requirements. Last, the equipment is warranted to ensure your satisfaction. We also have experience in reverse-engineering equipment requiring repair parts that are no longer available. This allows you to extend the life of your productive assets well into the future.

Our Lean Manufacturing techniques and Design capabilities are also available to you. We can address minor design modifications or a major redesign of a subassembly.

The benefit to you is a product that is tailored to your needs and at the same time is provided with high Quality, Reliability, and timely Delivery.



Extensive automation equipment experience

Our Build-to-Spec organization features extensive experience in all critical areas of automation equipment:

- ❑ Documentation and Process Controls.
- ❑ Customer and Internal Material Management Controls.
- ❑ Manufacturing and Electrical Test Capability.
- ❑ Personnel Training and Certification.
- ❑ ISO 9001:2000 Registration.

Our team works closely with customer staff prior to manufacture to define all program requirements. Working with a variety of media (prints, computer electronic media, machine tapes, etc.) we incorporate customer documentation directly into existing IS and manufacturing systems, thus ensuring a smooth and successful transition.

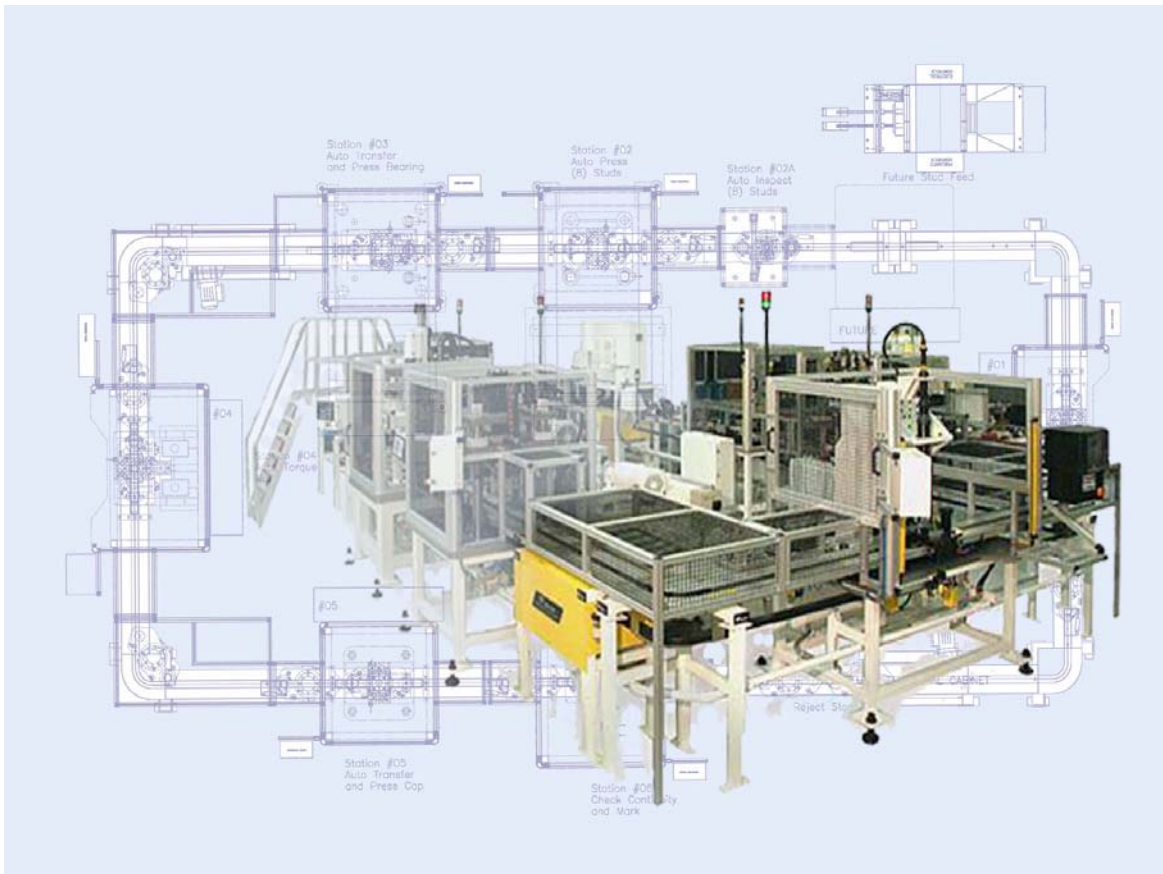
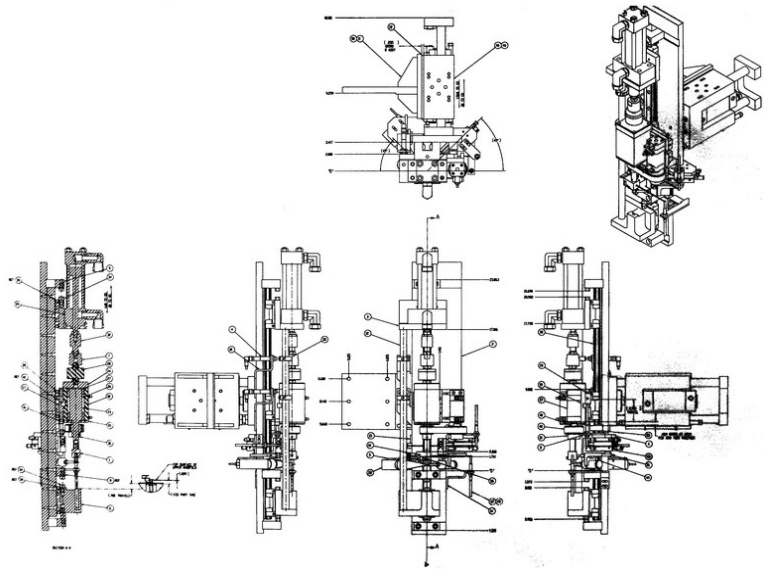
We have multi-program capabilities in duplicating customer processes while addressing, producibility, reliability, and process enhancement requirements. Our staff will train and certify equipment operators to specific customer requirements.

Our Build-to-Spec program features dedicated program management, engineering design support where necessary, regular status reports, and manufacturing documentation as required by the customer.

WTAS offers full Build-to-Spec capabilities from our Mexico and Illinois facilities. This offers our customers full service Build-to-Spec manufacturing at very competitive rates.

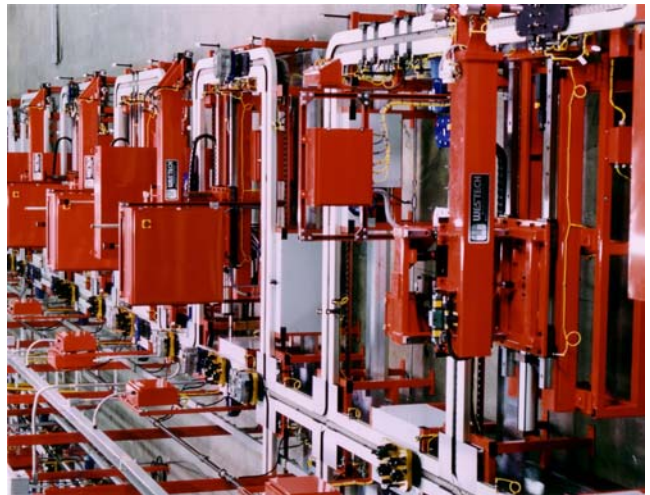


From your specifications and prints to a fully functional machine or system on your floor

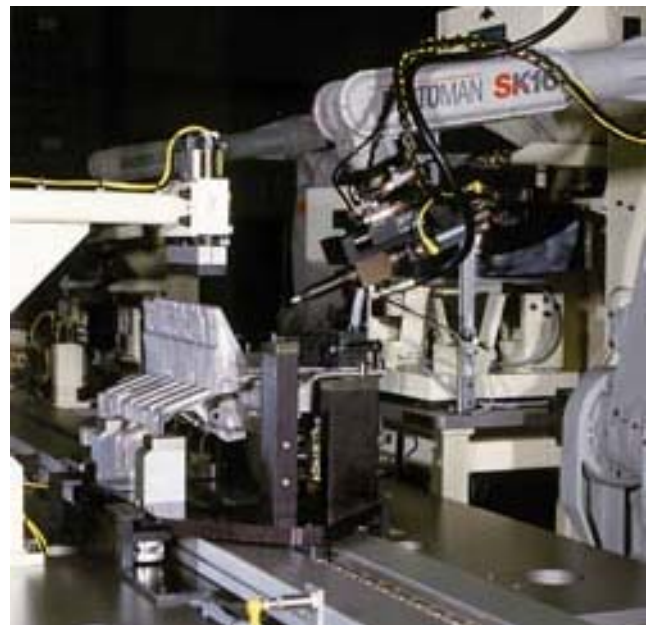




Hundreds of diverse projects from simple ones to highly complex ones



Door Latch Assembly



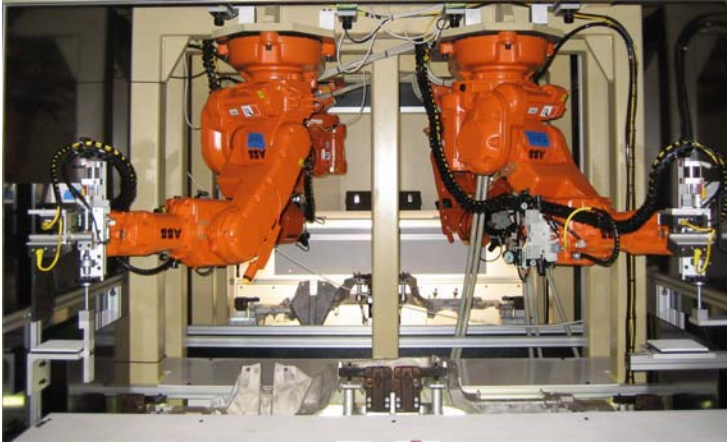
Pem Inserter



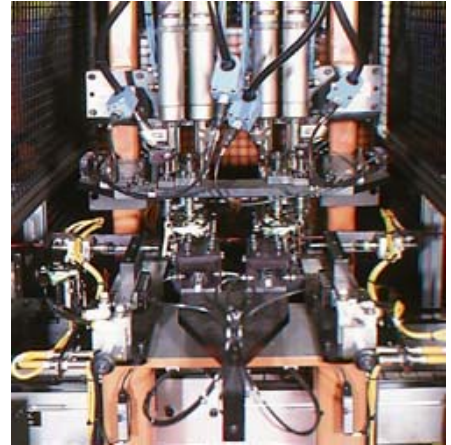
Springfeeder



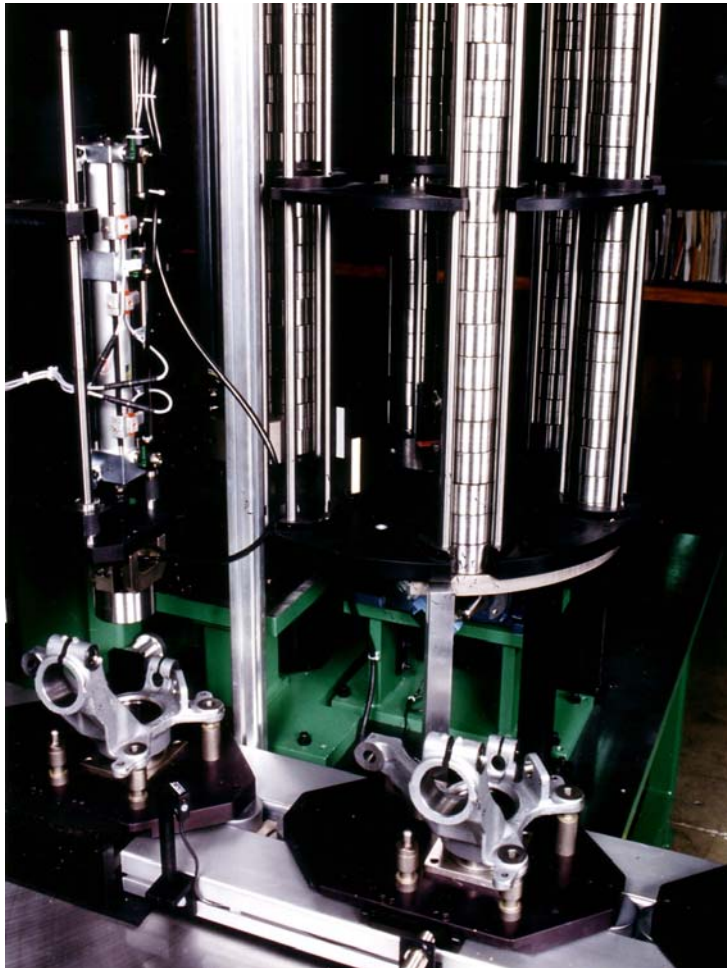
Cam Cover Leak Test



Automobile Control Panel Vision Inspection



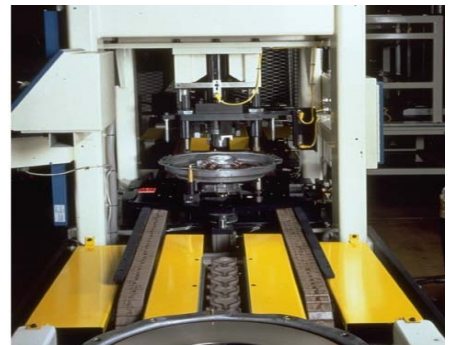
Oil Pump Assembly



Bearing Press



Fuel Line Connector



Parts Assembly/Test Press



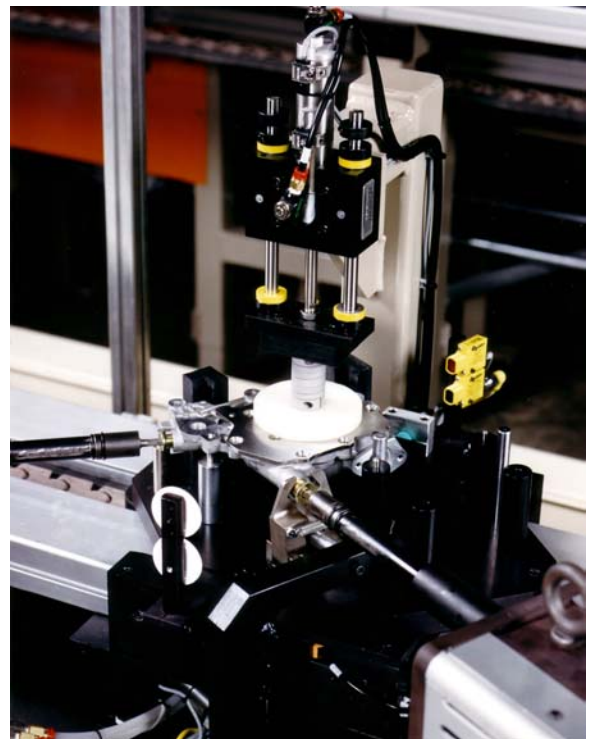
Vertical Lift Transfer



Parts Insertion and Inspection



Parts Assembly/Test Press



Auto Pump Assembly



Retooling & Refurbishing

System Enhancements, Improvements, and Modifications

Our Build-to-Spec capabilities are supported by the **WTAS Service & Support** group and extend to major retooling and refurbishing

Retooling/Refurbishing

- **Decrease maintenance costs**
 - ✓ **Prevention**
 - ✓ **Standardized plant maintenance**
- **Optimize performance**
- **Add functionality**
- **Expand flexibility**
- **Reuse capital investment beyond its original life**

Spare/Replacement Parts

- **Standard replacement parts**
- **Spare part stocking programs**
- **Non-Standard replacement parts**
- **Online part identification**
- **Online parts quoting**

Getting More out of Your Investment

1. System Enhancements	<ul style="list-style-type: none"> ✓ Add stations ✓ Add features
2. Continuous Improvements	<ul style="list-style-type: none"> ✓ Add RFID ✓ Add pallet tag/flag ✓ Add gauging ✓ Add part marking
3. Cycle time Optimizations	<ul style="list-style-type: none"> ✓ Re-routing of pallets/parts though system ✓ Relocation of equipment
4. Software Improvements/Enhancements	<ul style="list-style-type: none"> ✓ Software upgrades to latest versions ✓ Code functionality enhancements ✓ Software customization
5. System Modifications	Expand system functionality to accommodate new products/components/parts to existing lines and equipment

Talk to our staff for your unique and special retooling and refurbishing projects. **WTAS Service & Support** works with our Engineering and technical project management staff to carry out even the toughest project assignments.

