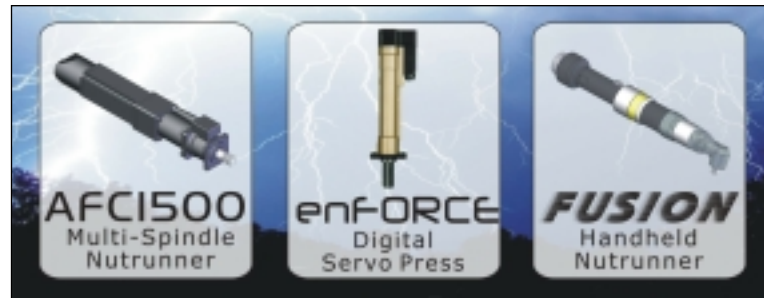


FEC, Inc. has been a leading supplier of fastening systems for more than 20 years. Our record speaks for itself, with more than 30,000 fastening spindles installed globally on critical joints.



FEC, Inc. has continued to improve and expand our product lines and currently offers assembly solutions including, but not limited to:

- Electric Multi-Spindle Automated / Manual Fastening Systems
- Electric Single-Spindle Handheld Fastening Systems
- Electric Servo Presses
- Turnkey Automated Assembly Systems

## Fastening Solutions for the Assembly World



### North American Main Office

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 Macomb, Michigan 48042 U.S.A.  
 Telephone: 586.781.2100  
 Tollfree: 800.229.1FEC  
 Fax: 586.781.0044  
 www.fec-usa.com  
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 Madison, Alabama 35758 U.S.A.  
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 Fax: 256.325.4608



### Asian Office

Dai-ichi-Dentsu Company, Limited  
 Kani-City, Gifu, Japan 509-0238  
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 sales@daiichi-dentsu.co.jp

● **FEC North American Sales & Distribution Representatives**  
 (Contact FEC Main Office.)

● **DDK Sales & Distribution Representatives**  
 (Contact Asian Office.)



Automation Systems  
 Certified ISO 9001

15201 1-07

# AFC1500 FASTENING SYSTEM



## A World of Powerful Fastening Solutions



Automation Systems  
 Certified ISO 9001

# AFC1500 SYSTEM...DIGITAL FASTENING SOLUTIONS FOR THE ASSEMBLY WORLD

## DYNAMIC APPLICATIONS

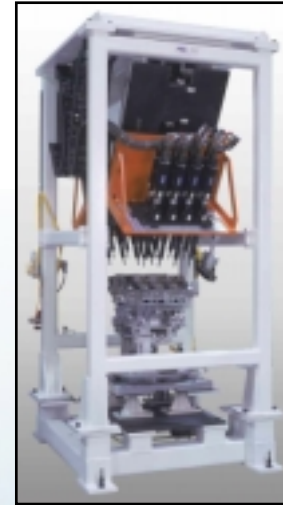
### Manually Operated Systems

- Semiautomatic Operation
- Raise/Lower Power Assist
- Automatic Retract at Cycle End



### Angular Engine Assembly

- Modular Automatic Station
- Synchronous Fastening
- Future Model Adaptability
- Fieldbus System Control



### Front Axle Assembly

- Semiautomatic Station
- High-Torque Automatic Nut Rundown
- Automatic Nut-Staking Feature



### Wheelnut Assembly

- Semiautomatic Operation
- Automatic Rundown and Kickoff
- Gravity or Auto Home Return



### Hydroforming Component Assembly

- Semiautomatic Station
- Automatic Bolt Feeding
- Fieldbus Control System



## COMPETITIVE ADVANTAGES

### Space-Saving Design

FEC has applied the latest digital and surface-mount technology to develop a more compact design for the AFC1500 fastening system. We have streamlined our manufacturing process with this new design, resulting in fewer parts and reduced cost.

### Fieldbus Adaptability

Our adaptable open fieldbus network, as compared to discrete input/output (I/O), reduces the amount of required wiring and redundant connection points for any given system. (Allen-Bradley DeviceNet, Allen-Bradley Remote I/O, Profibus, InterBus-S, Mitsubishi CC Link, ModBus Plus, with other interfaces available.)

### User-Friendly Operation

A Windows®-based software package for programming, monitoring and diagnostics is provided at no additional cost!

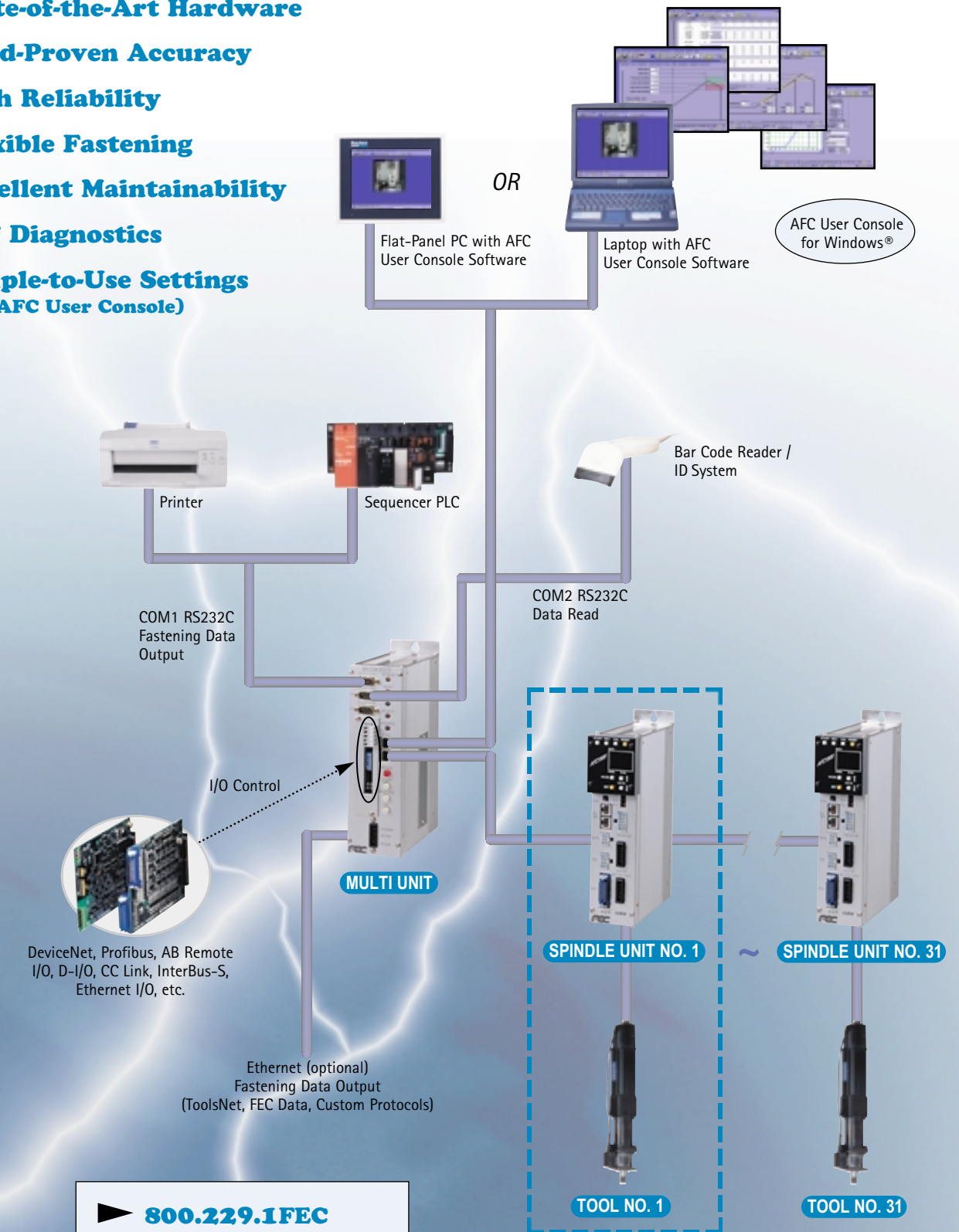
### Complete In-House Manufacturing

FEC has a complete manufacturing control process. We even have our own patented design for a torque transducer, which is the most vital part of a fastening system. We follow stringent quality procedures and are ISO 9001 certified.

®Windows is a registered trademark of Microsoft Corporation.

## OUTSTANDING FEATURES

- ▶ **State-of-the-Art Hardware**
- ▶ **Field-Proven Accuracy**
- ▶ **High Reliability**
- ▶ **Flexible Fastening**
- ▶ **Excellent Maintainability**
- ▶ **Self Diagnostics**
- ▶ **Simple-to-Use Settings (via AFC User Console)**



- ▶ **800.229.1FEC**
- ▶ **sales@fec-usa.com**
- ▶ **www.fec-usa.com**

The AFC1500 can be configured as a single-spindle stand-alone or as a multiple-spindle system.