

Industrial Automation

Mechatronic skills and Festo automation products are utilized in production applications throughout the world.

Industrial Applications



Automotive



Food and Packaging



Electric Light Assembly



Paper and Printing



Biotech/Pharmaceutical



Process Control

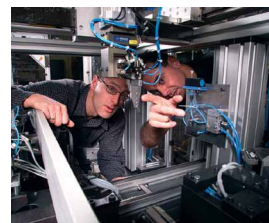
Industrial Processes



Design and Engineering



Assembly and Production



Quality and Inspection

USA

Festo Didactic Inc.
Eatontown, NJ 07724

Phone: 732-938-2000
Toll Free: 800-522-8658
Fax: 732-774-8573

Canada

Festo Didactic Ltée/Ltd
Québec (Québec) G2N 2K7

Phone: 418-849-1000
Toll Free: 800-522-8658
Fax: 418-849-1666

Germany

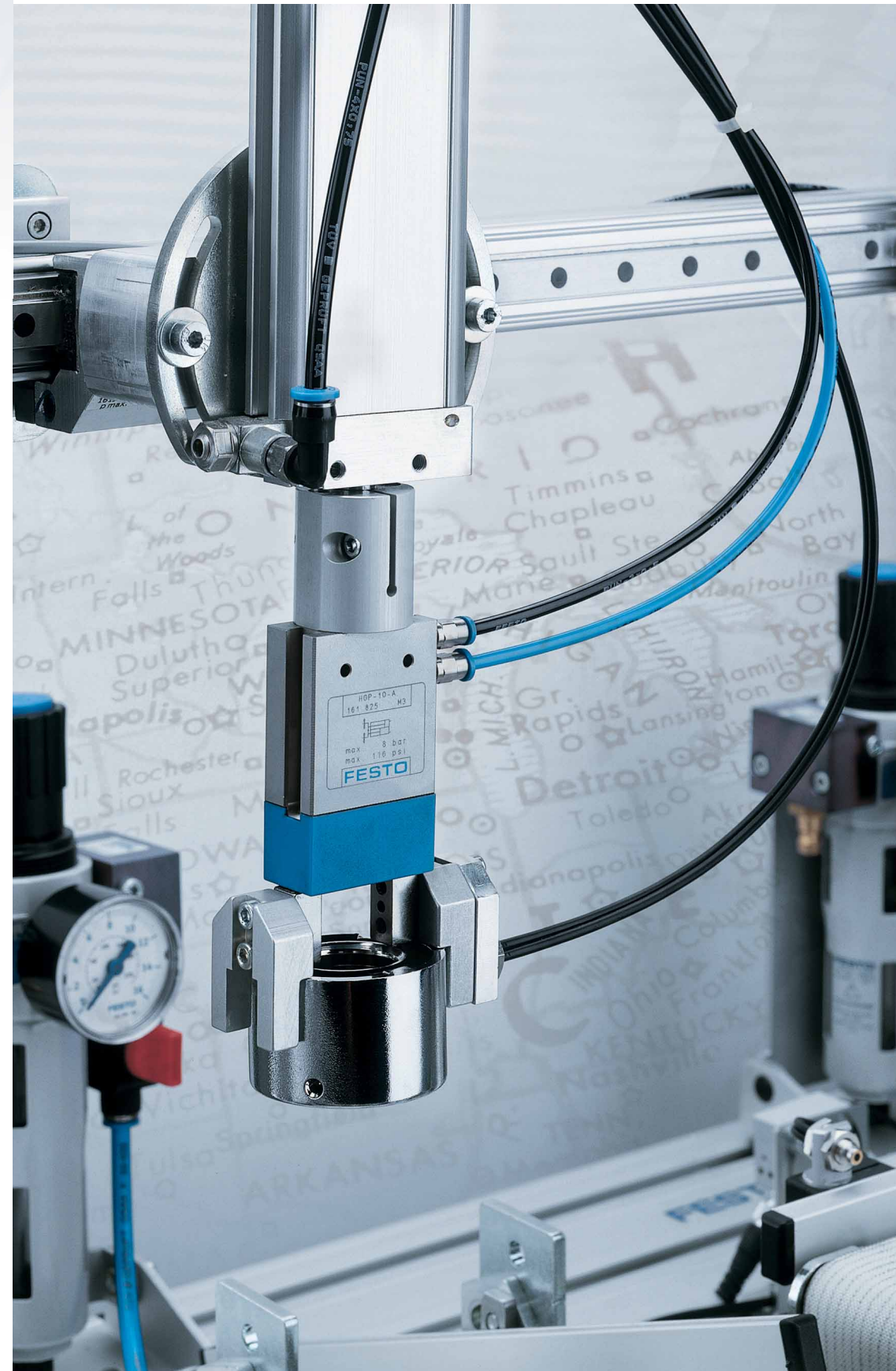
Festo Didactic GmbH & Co. KG
Rechbergstrasse 3
73770 Denkendorf

Phone: +49(0)711/3467-0
Fax: +49(0)711/347-54-88500

Connect with us



Roadmap to Mechatronics Industrial Automation



Hardware and software for teaching:

- Fundamentals
- PLC Programming
- Automation Processes
- Robotics
- Mechatronics

Creating an Effective Learning Environment

www.festo-didactic.com

Mechatronics

Teach Mechatronics from technology fundamentals to complete factory automation



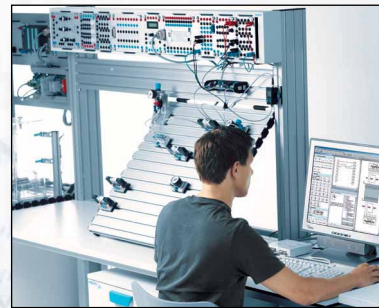
Start

PLC Programming Learning Systems



- Hardware:**
- Easy Port
 - PLC Training Kits
 - PLC Applications
- Software:**
- EasyVeep
 - Commercial PLC Programming Software

Fundamentals Training Packages



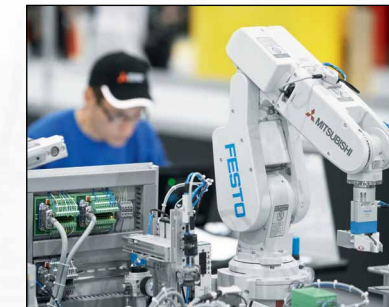
- Hardware:**
- Fluid Power
 - Sensors
 - Electricity/Electronics
 - Mechanical Systems
- Software:**
- FluidSIM®
 - LVSIM®-HYD and LVSIM®-PNEU
 - eSeries E-Learning courses

Automation Processes MPS



- Hardware:**
- Work Stations
- Software:**
- Mechatronics Assistant
 - CIROS® Mechatronics

Robotics Robots

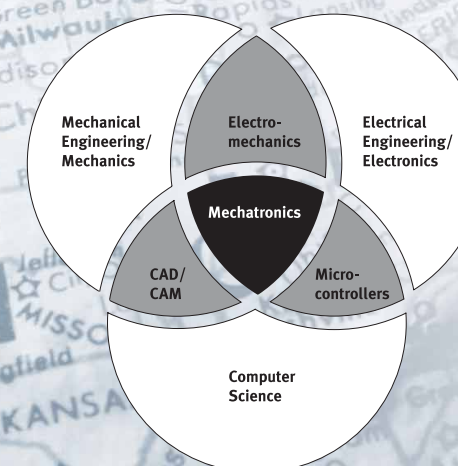


- Hardware:**
- Robots
 - Robot Workcells
- Software:**
- CIROS® Robotics
 - CIROS® Programming
 - CIROS® Studio
 - RoboCIM

Mechatronics FMS/iCIM



- Hardware:**
- Conveyor
 - Robots
 - Machining Center
 - Advanced Mechatronics System
- Software:**
- CIROS® Automation Suite
 - CIROS® Production



Mechatronics

Mechatronics is the synergistic combination of mechanical engineering, electrical engineering, electronics, information technology and systems thinking utilized in the design of products and automation processes.

Festo Didactic products provide the ideal environment for Mechatronics training. Our broad array of products, including hardware, simulation software, web-based training products, and extensive curriculum, combine to provide the educator with the most comprehensive industrial-based training programs available worldwide.

Technical training objectives include the ability to:

- Analyze functional relationships in mechatronic systems
- Manufacture mechanical components
- Follow information and energy flow in electrical, pneumatic and hydraulic sub-systems
- Plan and organize work flow
- Commission, troubleshoot, and repair mechatronic systems
- Communicate using industrial network protocols, including DeviceNet™ and Profibus