



enrotech

industrial technologies

Serving the Stamping & Forging Industry Since 1941





WHO WE ARE

Enprotech Industrial Technologies is the largest supplier of repair, rebuilding and new press manufacturing services to users of metal stamping, forming, and forging equipment in North America. Enprotech is committed to providing innovative equipment solutions coupled with outstanding customer service.

Combining two of our Enprotech companies (EMS and ESS) and their respective facilities effectively doubled our capacity, simplified our corporate structure and expanded our ability to direct additional resources toward our customers' equipment needs. We now have five U.S. manufacturing sites that all have a long history of repairing, modernizing, engineering, and manufacturing new industrial machinery dating back to 1941.

We provide our metal forming clients in North America with a U.S. source for new hydraulic and mechanical presses, service and OEM replacement parts. This was made possible through the following:

- The acquisition of Danly Machine's press manufacturing technologies
- The acquisition of Verson Press Company
- Our line of Verson/LCM hydraulic presses
- Our sales and service agreement with forging press manufacturer Sumitomo Heavy Industries
- Our experience in servicing all press brands

Enprotech Industrial Technologies, LLC. is a subsidiary of Enprotech Corporation, Cleveland, OH, and a member of the ITOCHU family of worldwide companies.

OUR HISTORY

1941

Industrial Welding is formed as a welding shop servicing the Lansing, MI forging industry

1950

P.E. Technologies was formed specializing in repair and equipment design for the steel industry

1984

Enprotech Corp was founded from Itochu International Inc. Machinery Division

1988

Enprotech Corp acquires Industrial Welding and renames the business Enprotech Mechanical Services (EMS)

1997

EMS acquires engineering and intellectual property of Danly Machine, a long established press manufacturer

1998

Itochu International acquires P.E. Technologies and renames the business Enprotech Steel Services (ESS)

2001

EMS acquires engineering and intellectual property of Verson, another established press manufacturer

2001

Enprotech Corp acquires another facility in Laporte, IN to expand and better serve steel industry customers in that region

2003

EMS formed a service agreement with Sumitomo Heavy Industries to provide after-sale service in North America

2006

An alliance is formed with Lien Chieh Machinery to offer Verson LCM new precision hydraulic and hydroforming presses

2010

Mexico office established to provide technical sales support to customers throughout the country

2011

EMS formed a sales agreement with Sumitomo Heavy Industries to provide new mechanical forging presses

2012

EMS and ESS are legally merged; The combined entity is Enprotech Industrial Technologies (EIT)

QUALITY

As part of the Enprotech Industrial Technologies, LLC commitment to continuous improvement, we have been certified to the quality standard ISO 9001 since 2000, and ISO 14001 since 2003.

QUALITY POLICY

Enprotech Industrial Technologies, LLC shall provide to all customers high quality, reliable, maintainable and durable products and services, at a fair price, while meeting or exceeding customers' delivery requirements.

SERVICES



SERVICES: REPAIR, REBUILD, MODERNIZE

STAMPING PRESSES

EVERYTHING you need to get your metal forming presses up & running.

Enprotech Industrial Technologies delivers a wide variety of answers for the metal stamping and forging industries to keep your business running profitably. Enprotech's strength in engineering and our multiple locations allow us to meet your demands on large multiple press projects in the U.S., Canada and Mexico. Our ISO 9001 and ISO 14001 quality programs show our commitment to giving you the highest quality service. Our expert press repair, replacement parts, rebuilding and equipment upgrades cut downtime that reduces your productivity.

Enprotech has the experience and facilities to repair and rebuild a wide variety of more than 100 different makes of presses. Our engineering expertise can enhance your machine performance and productivity, improve your reliability and maintainability and minimize your set-up time.





FORGING PRESSES

Enrotech Industrial Technologies can handle your largest machines with a pair of 100-ton overhead cranes and rail siding running directly into our Lansing facility. Enrotech has the experience and capacity to repair, rebuild and modernize your National Maxipress, Ajax, Erie or any large forging press, upsetter or cold header, including state-of-the-art control systems. In addition, we can repair your Chambersburg and Erie forging hammers.



ELECTRICAL CONTROLS

Enjoy the benefits of a new control system engineered to precisely fit your presses. Enrotech offers complete in-house concept to commissioning control solutions.

We have you covered from design and build to upgrades and retrofitting antiquated systems, to full implementation of turnkey projects. Our expert services include:

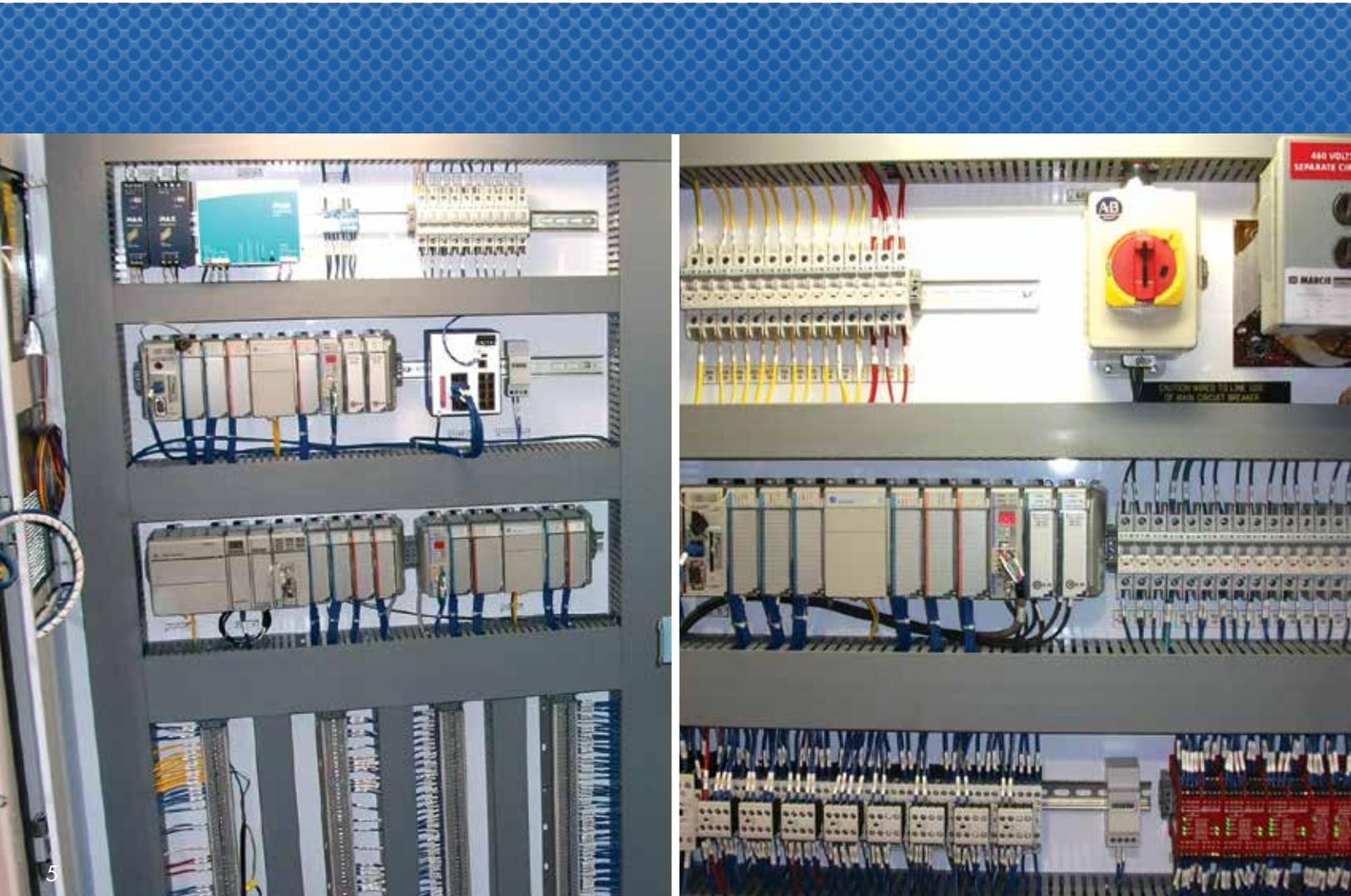
- Electrical Engineering
- Hardware Design
- Software Development
- Hydraulics and Lubrication
- Start-up Support and Integration
- Calibrations
- Documentation and Training

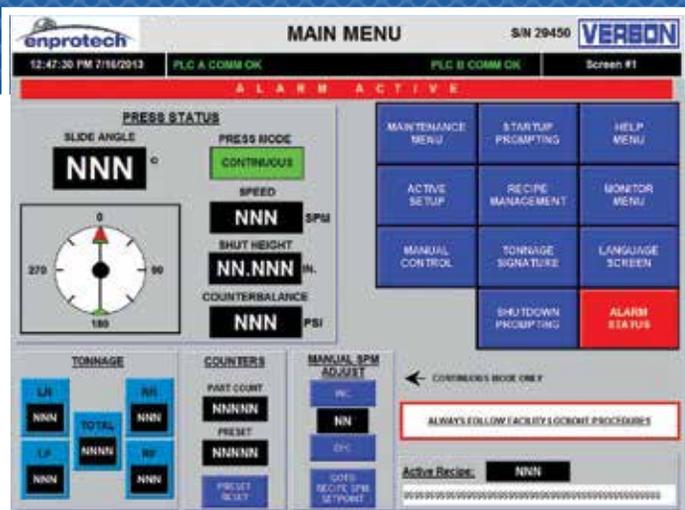
Hardware Design & Procurement

Designs are drawn and provided in an intuitive, easily understood format. Seamless integration of hardware and software allows us to reduce costs and improve delivery.

Software Design and Implementation

Standard HMI and PLC designs are used for easy navigation, yet custom configured for your application. Features include recipe management, lube control and monitoring, help screens, fault annunciation, PLS, automation and control. Programming solutions allow for easy integration to existing systems and access for maintenance and troubleshooting.





Operator Stations

Let Enprotech's team of engineers and electricians provide solutions that match your specific requirements. We work with you to design an easy-to-use product that matches your needs and interfaces with your existing equipment.

Control Panel Build

Systems are assembled at our facility using benchmarked industry techniques. Every panel is completely tested to assure trouble-free startups.

Final Assembly & Testing

We can install your new controls at our facility or in your plant for fully turn-key solutions. Adhering to industry guidelines, our professional installations will be clean and accurate to provide years of trouble free service.





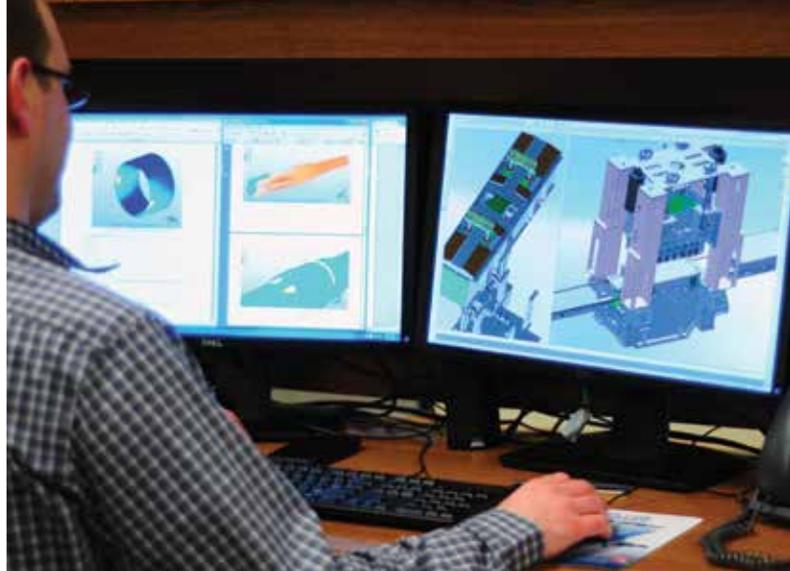
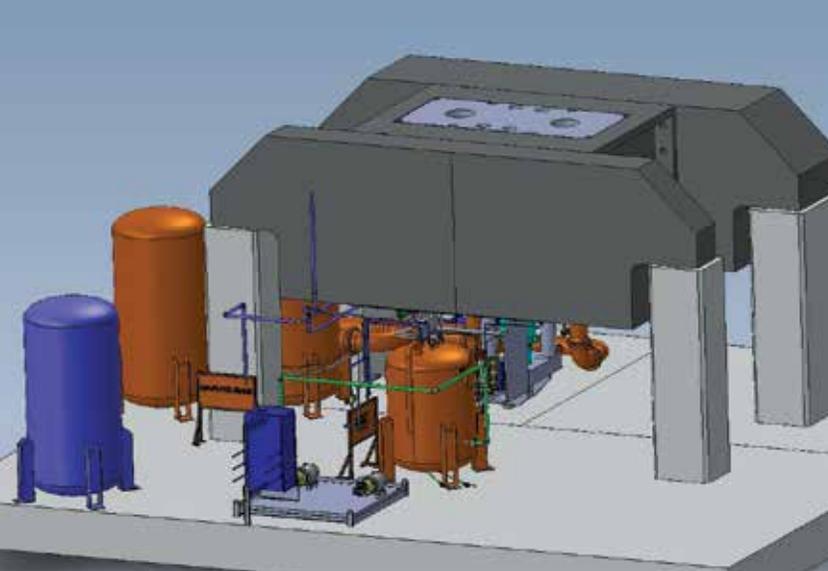
FIELD SERVICE

Our Field Service groups are prepared to solve your mechanical, electrical and hydraulic problems on-site on all brands of stamping presses and forging equipment.

Emergency breakdown repairs and field services are available anywhere, 24 hours a day, seven days a week. Contact us for trouble-shooting, disassembly, routine maintenance, annual machine inspections and all your field service requirements.

We can also resolve your on-site machining problems with the widest range and latest equipment for:

- Portable Milling and Boring
- Line Boring
- Journal Squirrel Cutting
- Keyway Cutting
- Flange Facing
- Magnetic-based Drilling Units



ENGINEERING

Enprotech's in-depth remanufacturing engineering expertise and thorough inspection practices distinguish us as a true rebuilder and remanufacturer.

Combining our acquisitions of the Verson and Danly press technology with over 70 years of experience, we can provide the benefits of OEM engineering services: Retrofits, Upgrades, Modernization and Automation Integration Assistance.

Our experienced professionals and degreed mechanical and electrical engineers have developed standards of excellence for repair and rebuilding services to the metal forming industries.

We provide a complete range of services to update your existing equipment with the features to improve productivity, reliability and maintainability. Enprotech uses these methods to update proven designs and meet new press requirements: Finite element analysis with event simulation, three-dimensional solid modeling, simulation of press components and proprietary press design software.

Fully controllable hydraulic and pneumatic cushion designs can be custom engineered to retrofit into your existing press, with advanced options such as: Pre-acceleration, adjustable stroke and hydraulic lock/snubbing to control return and stopping speed.

Improve your systems by adding new PLC control systems, easy-to-use touch-screen displays and new pneumatic systems that offer quick die change, as well as clutch conversions and speed changes for increased productivity. You gain the benefits of new equipment with less capital.



NEW DIMENSIONS IN SERVICES FOR THE STAMPING AND FORGING INDUSTRY



PARTS

REPLACEMENT PARTS PRECISELY ENGINEERED TO FIT YOUR NEEDS

Enrotech is your source for Verson and Danly mechanical and hydraulic spare parts needs.

Enjoy the benefits of a secure source for replacement parts on all of your Verson and Danly presses. Since our acquisition of original Danly technology in 1997 and Verson technology in 2001, we have been manufacturing replacement parts precisely to OEM specifications.

Our spare parts warehouse offers 38,000 square feet of computer network-based parts inventory tracking system and 10-ton overhead crane capacity.

More than 10,000 stock items are available for prompt shipment.



NSD

Enrotech is proud to be the North American representative for NSD position sensors and controllers. The ABSOCODER is available in rotary and linear models and may be used simply to provide position data, or coupled with a VARICAM or VARILIMIT for more exacting machine control applications.





NEW MECHANICAL STAMPING PRESSES



Enprotech offers new Verson and Danly presses, including hydraulic and mechanical presses, and hydroform, tubular hydroform and Wheelon fluid cell presses.

The long American press-building tradition continues with Enprotech's acquisition of Verson and Danly technology under the direction of our staff of mechanical and electrical engineers. They have more than 300 years of combined press-building experience.

Enprotech incorporates into our presses the most advanced design features and offers a broad selection of optional features to ensure maximum performance and answer each individual need.

Enprotech's Verson and Danly mechanical presses are known for their proven, heavy-duty, robust designs and are built for continuous high volume production where longevity, accuracy and reliability are essential.

- Progressive Die Presses
- Tandem Line Presses
- Blanking Presses
- Transfer Presses
- Double Action Presses





NEW HYDRAULIC PRESSES

VERSON-LCM HYDRAULIC PRESSES

Enprotech is the exclusive sales, marketing, distribution, technical and spare parts support group in the United States, Canada and Mexico for LCM hydraulic presses. LCM designs and produces hydraulic presses ranging between 50 and 15,000 tons capacity. Added to the existing Verson range of presses, this gives you the most comprehensive selection of hydraulic presses available to the metal forming and metal forging industries.

We offer the following types of presses:

- Verson-LCM Deep Drawing Presses
- Verson-LCM Die-Spotting and Die-Tryout Presses
- Verson-LCM Hemming Presses
- Verson-LCM SMC Presses
- Verson-LCM Ccl/Pcb Laminating Hot Presses
- Hydraulic Forging Presses

HYDROFORMING/ FLUID CELL

Verson hydroforming presses use fluid pressure instead of the punch in a conventional press to form a part into the shape of the die. This type of press is a cost-effective way to produce a single lightweight, structurally stiff and strong component that normally would be made from multiple pieces and stampings and then welded together.

VERSON WHEELON HYDRAULIC FLUID CELL PRESSES

Verson developed efficient, low-volume Wheelon hydraulic fluid cell presses to meet the specific needs of the aircraft and aerospace industry.



NEW MECHANICAL FORGING PRESSES

Advanced Engineering Solutions for Your Forging Process by Sumitomo and Enprotech.

Sumitomo Heavy Industries is a reliable, expert partner serving customer needs by supplying forging presses and automation worldwide. Through our sales and service agreement you gain access to Enprotech's dedicated after-sales support team and advanced engineering solutions for your forging process.

Sumitomo and Enprotech can provide you with state-of-the-art Mechanical and Servo Forging Presses - Mechanical Presses (up to 16000 ton) and Servo Presses (up to 5000 ton) as well as Press Line Automation with your new press or retrofit packages for your existing presses.





FACILITIES

HEADQUARTERS

4259 E. 49th Street
Cleveland, OH 44125
Phone: 216-883-3220
Fax: 216-883-3422
Area 110,000 Sq. Ft.
Max Crane Capacity 50/100 tons

LANSING OFFICE & PARTS WAREHOUSE

16800 Industrial Parkway
Lansing, MI 48906
Phone: 517-372-0950
Fax: 517-372-3334
Area 38,000 Sq. Ft.
Max Crane Capacity 10 tons

LANSING PLANT 1

16740 Industrial Parkway
Lansing, MI 48906
Phone: 517-372-0950
Fax: 517-372-3334
Area 35,000 Sq. Ft.
Max Crane Capacity 200 tons

LANSING PLANT 2

2200 Olds Avenue
Lansing, MI 48915
Phone: 517-372-0950
Fax: 517-372-3334
Area 56,000 Sq. Ft.
Max Crane Capacity 80 tons

KENTUCKY DIVISION

223 Peterson Drive
Elizabethtown, KY 42701
Phone: 270-737-1900
Fax: 270-765-2308
Area 60,000 Sq. Ft.
Max Crane Capacity 100 tons

INDIANA DIVISION

3234 North State Road 39
LaPorte, IN 46350
Phone: 219-326-6900
Fax: 219-326-6901
Area 60,000 Sq. Ft.
Max Crane Capacity 50 tons

MEXICO REGIONAL SALES & ENGINEERING

51-1-844-159-9849