Roll Forming Services
Roll Forming Equipment, Tooling Design & Supply, Troubleshooting & Trouble Prevention, Training Courses

From Dedicated lines, to quick changeover production lines, complete with all of the latest features, including custom electronics, servo drives, in-line secondary processes, etc...

Roll Forming Lines
Roll Forming Tooling
Robotics and Packaging
Coil Handling Equipment
Uncoilers, Coil Cars
Flatteners, Servo Feeders
Pre-piercing Systems
Hydraulic Presses
Cut-off Dies and Presses
Servo Die Accelerators
In-line Curving and Welding
In-Line Embossing, Louvering
In-Line Quality Control

- Universal
- Rafted
- Duplex
- Triplex
- Cantilevered
- Pre-cut
- Post-cut
- Stop & Go
- Flying
- Just-in-Time
- On-Demand
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Every tool is Computer designed as part of a complete system. We use the highest quality Tool Steel and Vacuum heat treat it for long tool life. Each set of tools is tested to ensure the highest quality standards.

Our expertise covers almost any industry and profile:

Automotive: bumpers, impact beams, trims, radiators
Construction: stud, track, siding, roofing, decking
Appliance: refrigerator & microwave boxes
Doors: garage, steel entry, residential, custom
Shelving & Storage: shelves, storage beams, up-rights
Furniture: partition components, curtain rails, ceilings
Metal Framing: house and industrial framing
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RFS Offers complete in-house or off-site roll forming training. These custom tailored courses can be geared to every level of interest and need. Every person involved with Roll Forming, from entry level operator to engineer, purchasing manager through to seasoned set-up man will benefit from the information offered in these training sessions.

Classroom and hands-on training at your plant. Training incorporates roll forming concepts, equipment, tooling, roll installation, material, set-up, troubleshooting, safety, maintenance and other subjects.

Roll Design Courses
Troubleshooting and Tooling Set-Up
Principles of Roll Forming
Product Design for Manufacturability
Equipment, Material, Tooling Selection

Roll Forming - definition
- Bending a flat metal strip in the longitudinal direction
- By pairs of contoured rolls
- Changing the shape gradually from flat to the finished section
- Without changing the thickness
- At room temperature
Roll Forming Services
Roll Forming Equipment, Tooling Design & Supply, Troubleshooting & Trouble Prevention, Training Courses

- Ease of Use
- On Screen Interactive Data
- Constant Arc and Constant Radius design
- DXF output for compatibility with major CAD Systems
- Supports Imperial and Metric Systems
- Windows Based
- Complete Help System

Changes Gauges, Sizes, Angles, Mill Ratio, Number of passes, etc., at any time during design
Changes Pass Line Diameters
Calculates Material Edge Stretch
Designs Side Rolls
Our expertise in roll forming design and manufacturing covers almost any industry and type of profile.

- **Automotive**: bumpers, impact beams, trims, radiator
- **Construction**: studs, tracks, sidings, roofing, scaffolding, decking, window components, garage doors, fences, etc...
- **Appliance**: refrigerators, microwaves, etc... enclosures
- **Shelving & Storage**: shelves, storage beams, up-rights, cross members
- **Furniture**: partition components, curtain rails, ceilings
- **Metal Framing**: house and industrial framing
- **Lighting**: luminescent reflectors
- **Highway safety**: guardrails, sign posts

**Roll Forming Machines**
- Universal
- Rafted
- Duplex
- Triplex
- Cantilevered
- Pre-cut
- Post-cut
- Stop & Go
- Flying
- Just-in-Time
- On-Demand
Roll Forming Services
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Dedicated Roll Forming Presses and Shears
- Pre-piercing and cut-off
- Hydraulic, pneumatic or air-over-oil powered
- Compacted designs mounted on linear bearings
- Equipped with precision servo die accelerators
- Dedicated mid punching and in-line punch-

Dies
- Flying Pre-piercing dies
- Flying Cut-Off Dies
- Cut-Off Saws
- Rotary Dies
- Louvering Dies

Servo Die Accelerators
Pick-Up Systems
Servo, Pneumatic or Hydraulic
Dies to fit your existing press
Air-over-oil powered dies
Dedicated Die/Press Systems
Self Powered Dies

Precision Rotary Dies

Every Die is designed in 3D solid modeling for interference checks and error prevention
**Roll Forming Services**

Roll Forming Equipment, Tooling Design & Supply, Troubleshooting & Trouble Prevention, Training Courses

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**Our Micro Production Lines are dedicated Roll Forming Systems, which are capable of handling delicate materials with very high speed and precision. Every feature available on our regular lines can be applied to these cost effective Micro Lines. They are capable of processing exotic metals as thin as .002” within precise tolerances.**

- Special purpose machines for roll forming **thin and extra thin materials**
- Material thickness **down to .002”**
- Forming exotic materials: **Lead, Beryllium, Cooper, Zirconium**
- Tube Formers for .020” diameter tubes

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**Typical Applications**

- Metal Tear Strips
- Computer shielding
- Mirror frames

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**Modular designs that can be assembled to run in:**

- Pre-cut & Post-Cut modes of operation: