

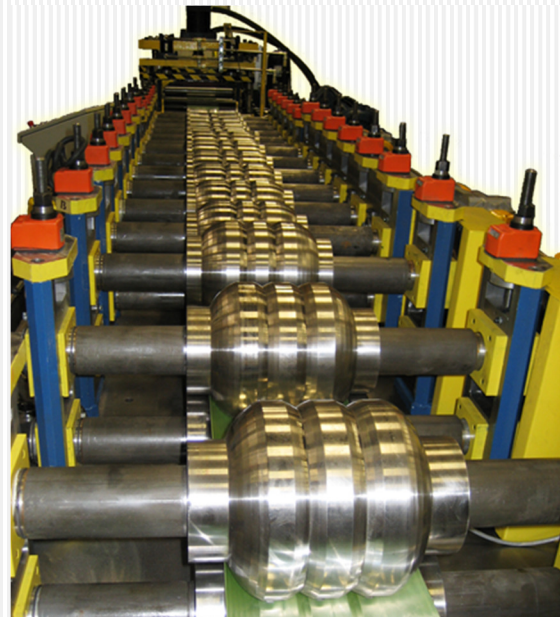


Roll Forming Services

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



Complete Roll Forming Lines



- Universal
- Rafted
- Duplex
- Triplex
- Cantilevered
- Pre-cut
- Post-cut
- Stop & Go
- Flying
- Just-in-Time
- On-Demand

www.rollformingservices.com

Fax: (866) 722-2296

info@rollformingservices.com

Tel: (905) 831-4045

(289) 809-5877

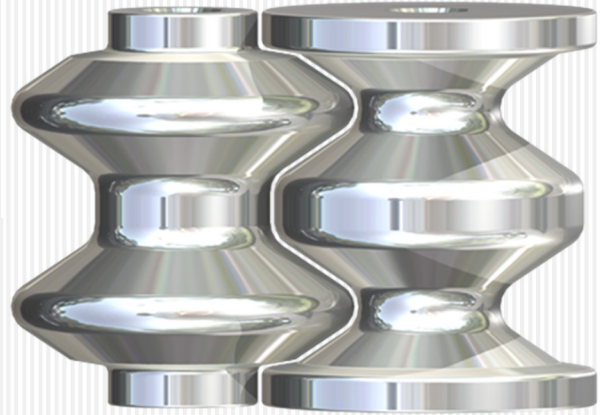


Roll Forming Services

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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

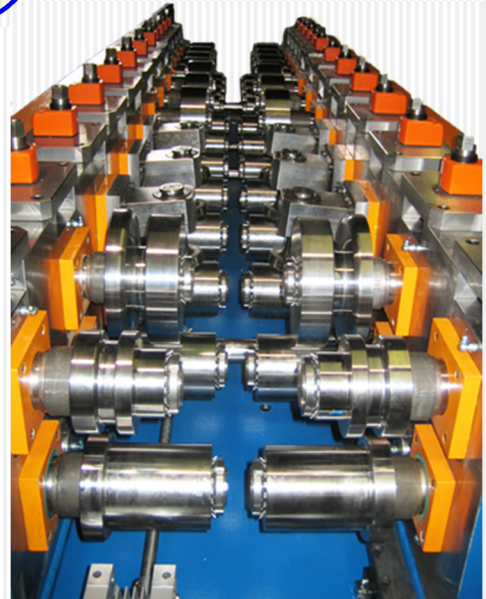
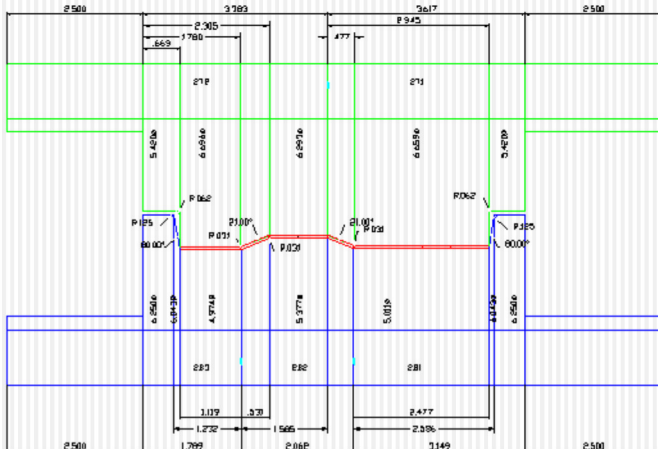
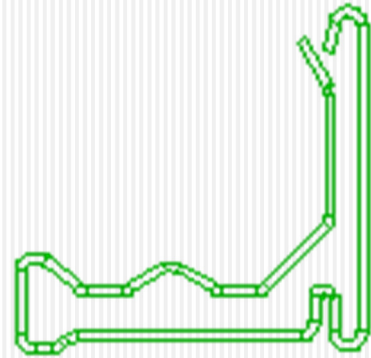
Appliance: refrigerator & microwave boxes

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



Roll Forming Tooling

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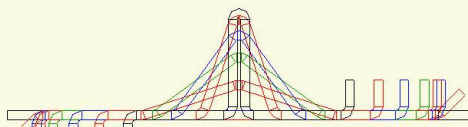


Roll Forming Services

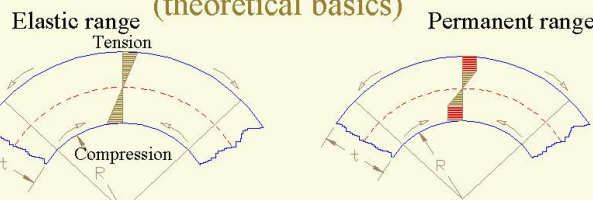
Roll Forming Equipment , Tooling Design & Supply,
Troubleshooting & Trouble Prevention, Training Courses

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.

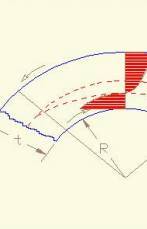
Establishing the Driving Diameter



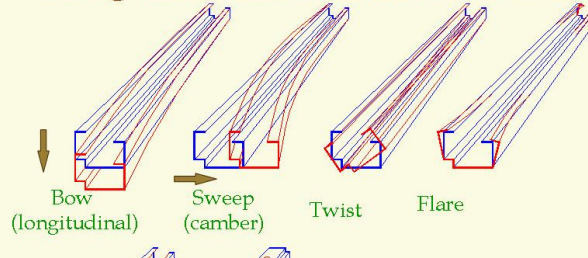
Bending (theoretical basics)



Actual stress c



Straightness and Flatness Tolerances



Wavy edges

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

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 Training Courses

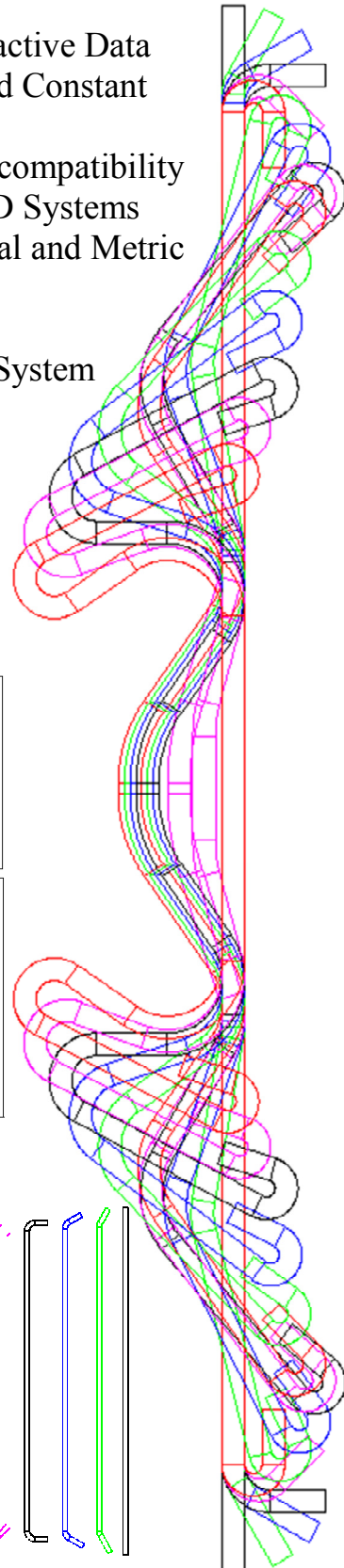
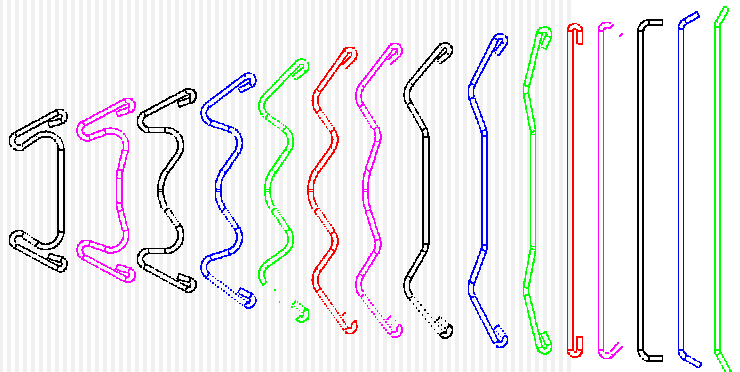
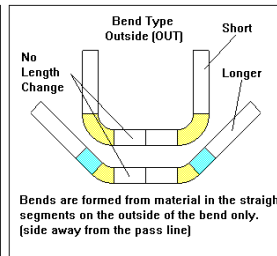
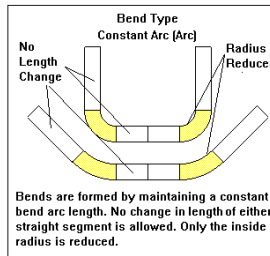
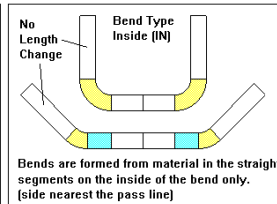
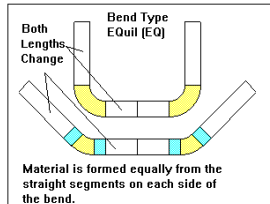
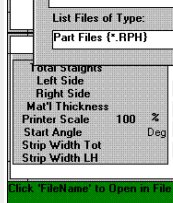
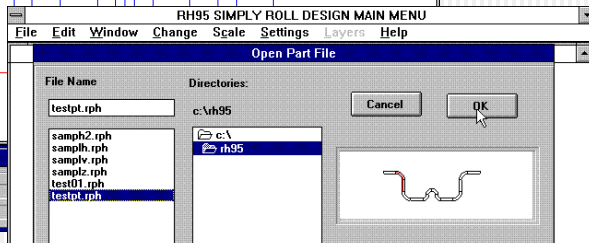
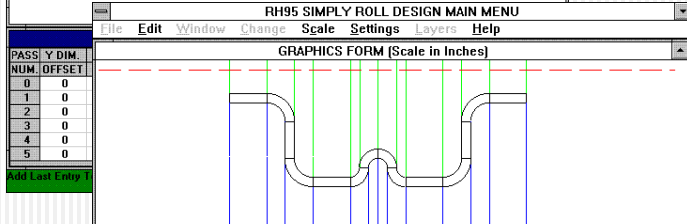
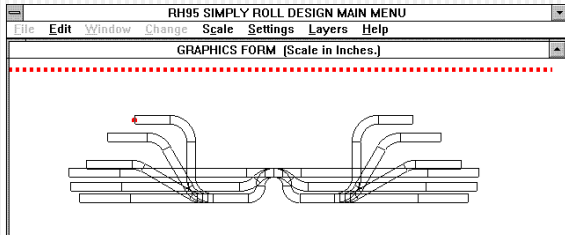
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Roll Forming Services

Roll Forming Equipment , Tooling Design & Supply,
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- Change Gauges, Sizes, Angles, Mill Ratio, Number of passes, etc... at any time during design
- Change Pass Line Diameters
- Calculates Material Edge Stretch
- Designs Side Rolls

- 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

‘SIMPLY’ Roll Design Software

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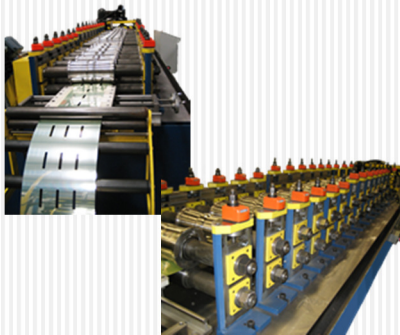
Our expertise in roll forming design and manufacturing covers almost any industry and type of profile

- **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 by Industry



*Luminescent reflector
Roll Forming Line*

Roof truss Roll Former

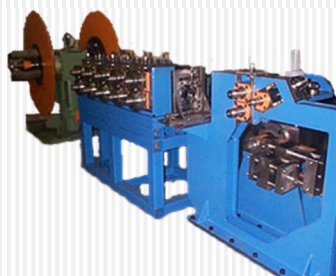


HVAC panel Roll Former



Floor decking line

*Roll Forming Line with
in-line curving*



*Welded Storage step
beam line*

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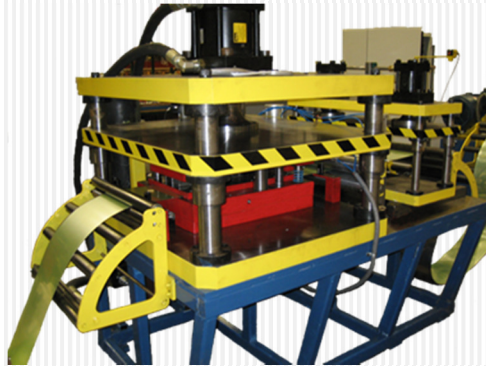
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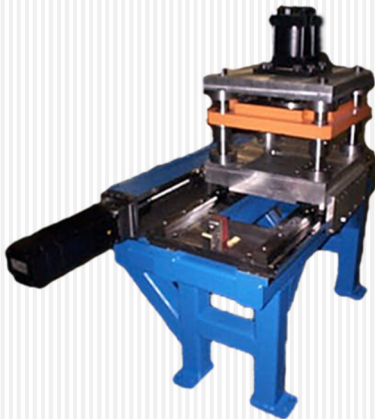
Roll Forming Services

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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 punching



Dies

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

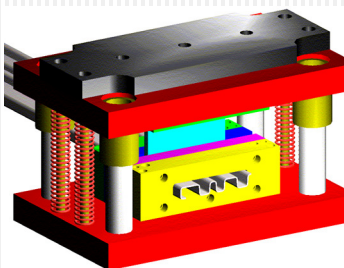


- Servo Die Accelerators
- Pick-Up Systems
- Servo, Pneumatic or Hydraulic
- Dies to fit your existing press
- Air-over-oil powered dies
- Dedicated Die/Press Systems
- Self Powered Dies

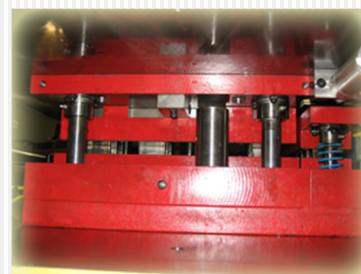


Precision Rotary Dies

3D Design



Reality



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

Roll Forming Presses and Dies

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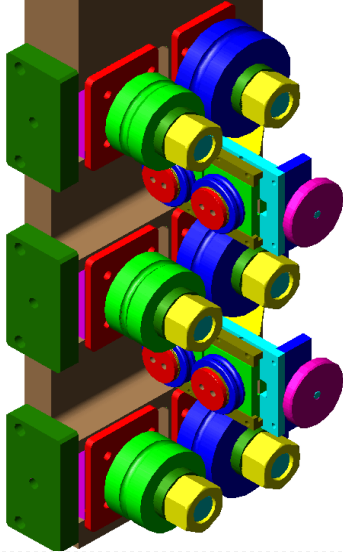
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Vertical arrangement for Gravity-dependant products



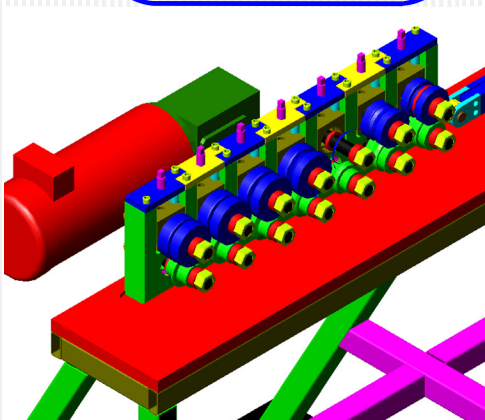
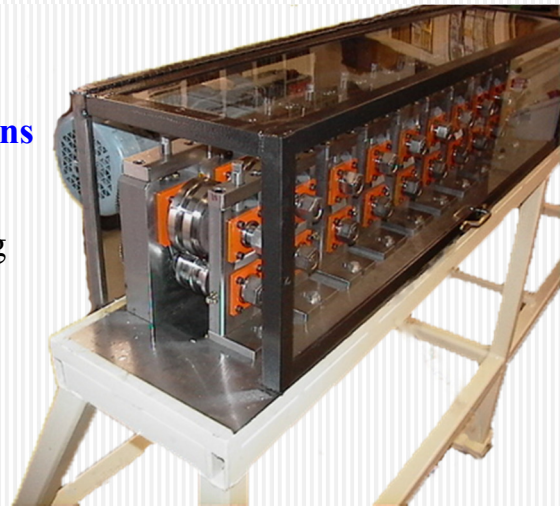
- **Tube** Forming Micro Lines
- Tube **diameter .020"**
- In-line diameter reduction
- Introducing **filler agents** in-line
- In-line Laser tube welding

*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.***

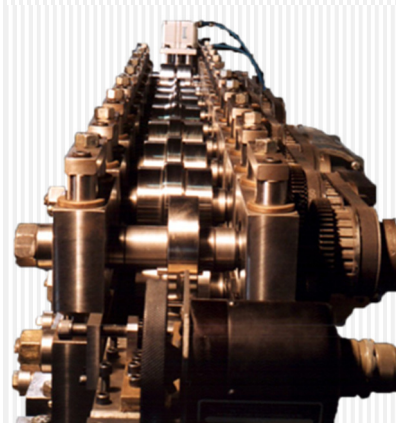
- Special purpose machines for roll forming **thin and extra thin materials**
- Material thickness **down to .002"**
- Forming exotic materials: **Lead, Beryllium, Cooper, Zirconium**
- Tube Formers for .020" diameter tubes

Typical Applications

- Metal Tear Strips
- Computer shielding
- Mirror frames



Modular designs that can be assembled to run in:
Pre-cut & Post-Cut
modes of operation:



Micro Production Lines

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