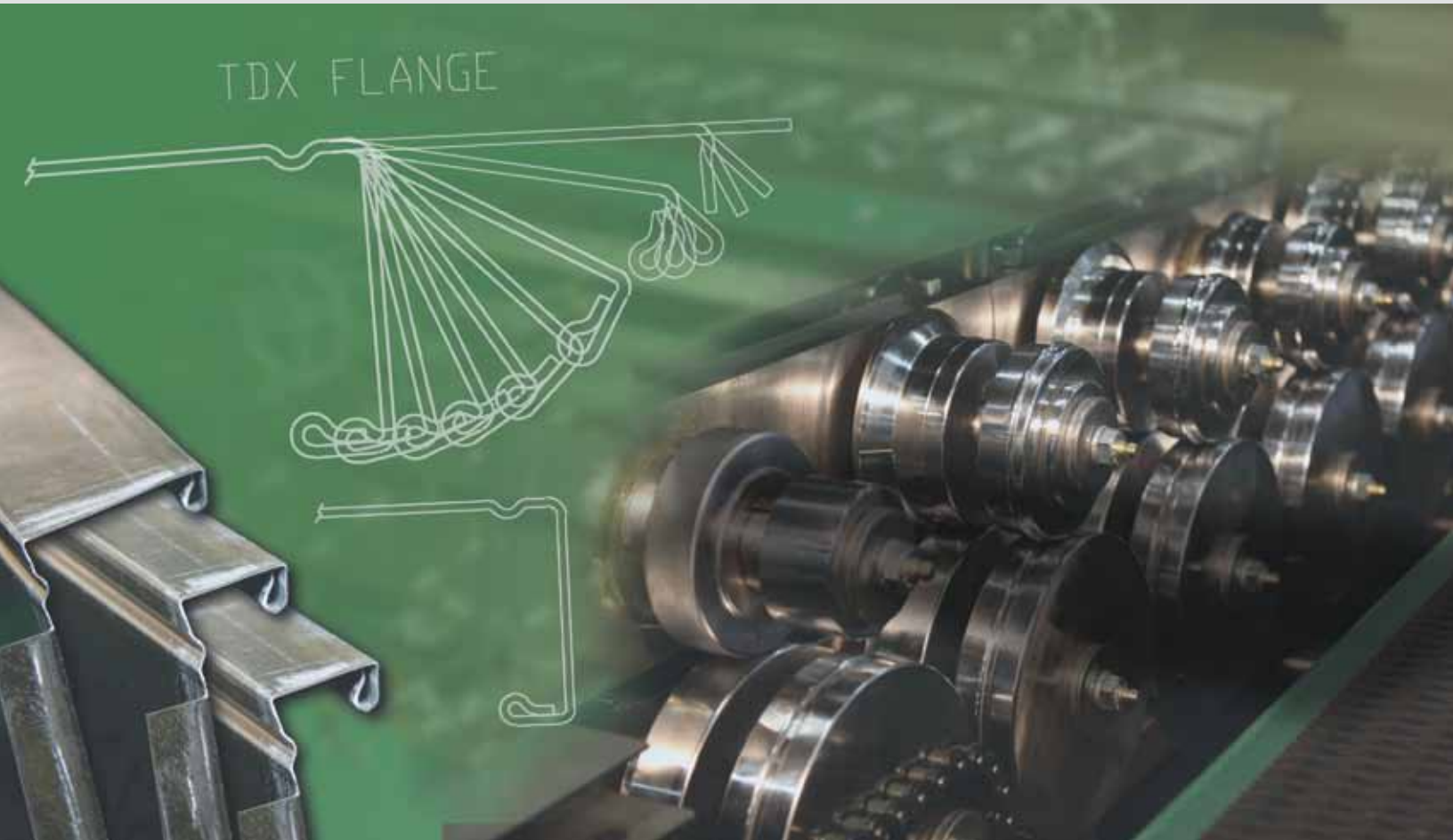




HVAC Rollforming and Sheet Metal Equipment



2nd Edition



Manufactured in the U.S.A.

Vicon Machinery LLC

Where superior duct work begins.™

Click on the box in the Status Column to get to the duct
Tap a letter to change status: R-Ready, S-Skip, D-Do

Where superior duct work begins.™

The Vicon line of HVAC Rollforming and Sheet Metal Equipment is the industry proven solution for all of your duct shop needs. Backed by the Vicon name and over 40 years of engineering experience, you can be assured that every Vicon machine is designed and built to provide years of quality service and customer satisfaction. All Vicon machinery is 100% manufactured in the USA in our 50,000 square foot manufacturing facility located in Pevely, MO. Every member of the Vicon team is committed to delivering American made quality equipment and superior customer service to the industry – bearing in mind the necessary components for complete customer success. Innovative technology, impeccable workmanship, and unrivaled support – we pride ourselves as the leader in complete turn-key solutions.

Our commitment...

Keep manufacturing where it belongs.



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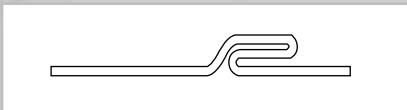


V8 Pittsburgh Rollforming Machines



The Vicon V8 Eight-Station Pittsburgh Rollformer can be optionally tooled with either Right Angle Flange, 4-in-1 or Acme Lock Rolls. All V8 rollformers produce seams that exceed the standards set by SMACNA.

Model	Left Outboard (Female)	Speed
V8-P20	Small Pittsburgh 20-28 Ga (5/16" pocket), 1" Notch	90 FPM
V8-P18	Large Pittsburgh 18-24 Ga (7/16" pocket), 1-3/8" Notch	90 FPM
V8-P16	Large Pittsburgh 16-20 Ga (7/16" pocket), 1-3/8" Notch	45 FPM

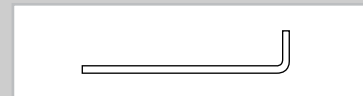


features & benefits

- Quietest machine in the industry
- Eight forming stations for all roll sets - no opening roll on any roll set
- Large, heavy duty bearings with inner races and grease fittings protect roll shafts and extend bearing life of the machine
- Slide out shaft design allows for easy maintenance
- Heavy duty 1" diameter stress proof roller shafts
- Woodruff shaft keys for added strength and precise alignment
- 5 HP motor coupled to an industrial oil bath worm gear drive for longevity
- Heavy duty roller chain drive, no belts
- Heavy duty motor starter with thermal protection overloads

options

- ▶ Right Angle Flange Rolls
20 - 28 Ga. (1/4" - 7/16")
16 - 24 Ga. (1/4" - 7/16")



- ▶ 4-in-1 Rolls (22 - 28 Ga.) to produce clinch, small standing seam, 7/16" flange and male 1/4 edge



- ▶ Acme Lock (Double Seam) Rolls (20 - 28 Ga.) or (16 - 22 Ga.)



- ▶ 5 Gallon Sealant System for sealing Pittsburgh Lock (1 Gun)
- ▶ 5 HP Single Phase Motor (90 FPM)
- ▶ 3 HP Single Phase Motor (60 FPM) (18 gauge and lighter)
- ▶ Additional options available

V8 Snaplock Rollforming Machines



Model	Type	Left Outboard (Female)	Right Outboard (Male)	Speed
V8-SL20	Button Punch Snaplock	Snaplock 20-28 Gauge, 1-3/8" Notch	Male Button Punch 20-28 Gauge, 7/16" Notch	90 FPM
V8-RPSL	Round Pipe Snaplock	Modified Reeves Lock 24-30 Gauge	Modified Reeves Lock 24-30 Gauge	90 FPM

The VICON V8 Eight-Station Snaplock Rollformer can be tooled with either Button Punch Snaplock or Round Pipe Snaplock. All V8 rollformers produce seams that exceed the standards set by SMACNA.

features & benefits

- Quietest machine in the industry
- Eight forming stations for all roll sets - no opening roll on any roll set
- Large, heavy duty bearings with inner races and grease fittings protect roll shafts and extend bearing life of the machine
- Slide out shaft design allows for easy maintenance
- Heavy duty 1" diameter stress proof roller shafts
- Woodruff shaft keys for added strength and precise alignment
- 5 HP motor coupled to an industrial oil bath worm gear drive for longevity
- Heavy duty roller chain drive, no belts
- Heavy duty motor starter with thermal protection overloads

V8 Button Punch Snaplock



V8 Round Pipe Snaplock



options (Pittsburgh & Snaplock)

► Crossover System:

Two machines tooled and positioned to allow for faster production rates of Pittsburgh & Snaplock

V8 Slip & Drive Rollforming Machines

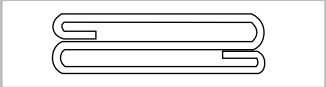
V8 Slip & Drive
Model V8-SD

V8 Flat "S"
Model V8-S

V8 Drive Cleat
Model V8-D

Reinforced Flat "S" Cleat
(22-28 Gauge, 3-3/4" strip)

Drive Cleat
(20-28 Gauge, 2-1/8" strip)



Shown with optional slit

The Vicon V8 Slip & Drive Rollformer produces connections that exceed the standards set by SMACNA. This eight station rollformer is equipped with Flat "S" and Drive Cleat tooling inboard and can be equipped with your choice of outboard tooling such as Pittsburgh, Snaplock, 4-in-1, or Acme Lock rolls depending on shop requirements. An optional high speed slit is available to produce slips and drives from scrap metal, saving labor and material.

options

- ▶ Slitter Attachment
- ▶ 5 Gallon Sealant System for sealing Pittsburgh Lock (1 Gun)
- ▶ 5 HP Single Phase Motor (90 FPM)
- ▶ 3 HP Single Phase Motor (60 FPM)
- ▶ Additional options available

features & benefits

- Quietest machine in the industry
- Eight forming stations for all roll sets - no opening roll on any roll set
- Large, heavy duty bearings with inner races and grease fittings protect roll shafts and extend bearing life of the machine
- Slide out shaft design allows for easy maintenance
- Heavy duty 1" diameter stress proof roller shafts
- Woodruff shaft keys for added strength and precise alignment
- 5 HP/3 Phase motor coupled to an industrial oil bath worm gear drive for longevity
- Heavy duty roller chain drive, no belts
- Heavy duty motor starter with thermal protection overloads
- 90 FPM Pitch Speed

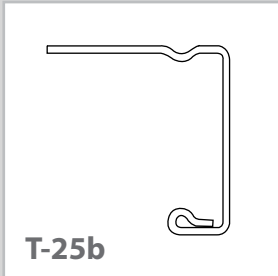
V8 Outboard Optional Tooling



Outboard Tooling Options	Location	Profile
Female Snaplock 20-30 Gauge, 5/8" Pocket, 1-3/8" Notch	Left	
Male Snaplock 20-30 Gauge, 7/16" Notch	Right	
Small Pittsburgh 20-28 Gauge, 5/16" Pocket, 1" Notch	Left	
Large Pittsburgh 18-24 Gauge, 7/16" Pocket, 1-3/8" Notch	Left	
Large Pittsburgh 16-20 Gauge, 7/16" Pocket, 1-3/8" Notch	Left	
Right Angle Flange 20-28 Gauge 1/4" - 7/16"	Right	
Right Angle Flange 16-24 Gauge 1/4" - 7/16"	Right	
4-in-1 Rolls - 22-28 Gauge, 5/8" Tap-In, 5/8" Standing Seam, 9/16" Male Seam, 1/4" Male Pittsburgh	Right	
Acme Lock (Double Seam) 20-28 Gauge	Right	
Acme Lock (Double Seam) 16-22 Gauge	Right	

Note: Additional profiles are available, inquire within.

TDX Rollformer



The Vicon TDX 16 Station Rollformer is tooled to produce the T-25b transverse flange (four-bolt) connection. This profile has been evaluated by the SMACNA Testing and Research Institute and meets testing criteria as called for in SMACNA's HVAC Duct Construction Standards.

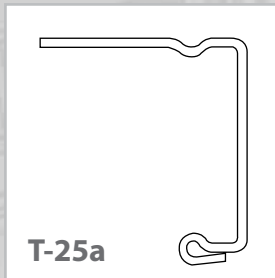
The TDX Rollformer is equipped with one set of TDX tooling mounted left outboard and has one inboard and one outboard roll space available for optional tooling based on shop requirements.

features & benefits

- Sixteen (16) Forming Stations for superior quality
- 18 – 26 Ga. Material Capacity – no adjustments necessary between gauges (16 Ga. option available)
- 70 FPM Forming Speed
- Independent adjustment at each forming station with pre-set spring tension
- Large, heavy duty bearings with inner races and grease fittings protect roll shafts and extend bearing life of the machine
- Slide out shaft design allows for easy maintenance
- Heavy duty 1-1/4" diameter stress proof roller shafts
- Woodruff shaft keys for added strength and precise alignment
- Hardened infeed guides reduce wear from plasma cut edge
- 7.5 HP Motor coupled to industrial oil bath gear reducer for quiet longevity
- Heavy duty roller chain drive, no belts

Tooling Options	Location	Profile
1-1/8" 20-24 Gauge Standard Standing "S"	Inboard	
TDX Clip 2-1/4" Material 20-22 ga 16 Station 12 Station	Inboard Outboard	
1-5/8" 16-20 Gauge 2-in-1 Standing Seam	Outboard	
1-1/8" 18-24 Gauge 3-in-1, Tap-In-Lock, Standing Seam & Right Angle Flange (10 Stations)	Outboard	
2" x 2" Angle, 16 Gauge Capacity	Outboard	
16-20 Gauge 7/16" Pittsburgh (8 Stations), 1-3/8" Notch	Outboard	
18-26 Gauge 7/16" Pittsburgh (8 Stations), 1-3/8" Notch	Outboard	
Special Option Available TDX 16-24 Gauge Capacity 50 FPM	Outboard	
TDX "C" 18-26 Gauge (T-25a)	Outboard	

TDX-II Rollformer



The Vicon TDX-II 12 Station Rollformer is tooled to produce the T-25a transverse flange (four-bolt) connection. This profile has been evaluated by the SMACNA Testing and Research Institute and meets testing criteria as called for in SMACNA's HVAC Duct Construction Standards.

The TDX-II Rollformer is equipped with one set of TDX-II tooling mounted left outboard standard and has one inboard and one outboard roll space available for optional tooling based on shop requirements.

features & benefits

- Twelve (12) Forming Stations
- 18 – 26 Ga. Material Capacity – no adjustments necessary between gauges
- 50 FPM Forming Speed
- Large, heavy duty bearings with inner races and grease fittings protect roll shafts and extend bearing life of the machine
- Slide out shaft design allows for easy maintenance
- Heavy duty 1-1/4" diameter stress proof roller shafts
- Woodruff shaft keys for added strength and precise alignment
- Hardened infeed guides reduce wear from plasma cut edge
- 5 HP Motor coupled to industrial oil bath gear reducer for quiet longevity
- Heavy duty roller chain drive, no belts

Tooling Options	Location	Profile
1-5/8" 20-22 Gauge Standing "S"	Inboard	
1-1/8" 20-22 Gauge Standard Standing "S"	Inboard	
TDX Clip 20-22 Gauge 2-1/4" Material	Inboard or Outboard	
TDX-II "C" Style 18-26 Gauge (T-25a)	Outboard	
1-5/8" 16-20 Gauge 2-in-1 Standing Seam	Outboard	
1-1/8" 18-24 Gauge 3-in-1, Tap-In-Lock, Standing Seam & Right Angle Flange (10 Stations)	Outboard	
2" x 2" Angle 16 Gauge Capacity	Outboard	
16-20 Gauge 7/16" Pittsburgh (8 Stations), 1-3/8" Notch	Outboard	
18-26 Gauge 7/16" Pittsburgh (8 Stations), 1-3/8" Notch	Outboard	

Coil Strip Feed Line



The Vicon Coil Strip Feed Line can be configured in several ways for production of various profiles. Coil metal stock is uncoiled, straightened and cut to length either before or after the rollform machine depending on the application. The line is controlled by the Vicon PC Control to ensure accurate finished parts and can be synchronized to the Vicon office program.

The coil cradles and machine guides are configured so that the material to be processed is pre-aligned. This added feature minimizes your set-up time.

Vicon can also manufacture coil strip feed lines to produce single wall turning vanes for elbows.

options

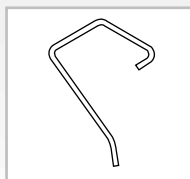
- ▶ 120" Dual Transfer System
- ▶ Micro processor multi-batch controller

features & benefits

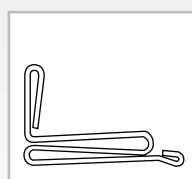
- Dual Drop in style Uncoiler shown. Other types of decoilers available.
- Vicon PC Cut-to-Length Control
- Hydraulically driven three (3) roll straightener with additional entrance and exit pinch rolls
- Hydraulic Press with straight shear or contoured dies
- Hole Punch available
- Hydraulic Power Unit
- Length tolerance of $\pm 1/16"$
- 60" Dual Transfer Conveyor supports blanks during the shearing process and feeds blanks up to 60" long into the rollformer
- Tooling profile will determine the required rollformer and processing speeds



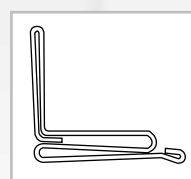
S&D



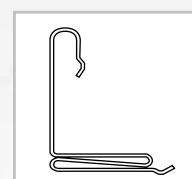
TDX Clip



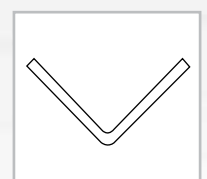
1/2"
Standing "S"



1-1/8"
Standing "S"



1-5/8"
Standing "S"



2" x 2" Angle

Plasma Feeder



With VICON patented style coil spools, coils can be loaded in under 5 minutes.

Save operating costs by reducing scrap and eliminating labor through the use of the VICON Plasma Feeding System. Uncoils, straightens, beads and feeds your various material gauges to your plasma cutting machine.

With the VICON style drum mandrel, the VICON Plasma Feeder is an innovative solution for the easy loading of coils. Convenient removable coil keeper end plate is light enough for just one person to attach it to the drum mandrel. A coil can be changed in under five minutes.

Coils will be spooled on VICON's exclusive patented Coil Drum Assemblies for the fastest coil loading possible. The underfed unit is designed with pneumatic "backup" wheels at each coil station for positive feed-up of each coil and safe band removal on new coils. Roller track system supports the material of the desired coil up to the infeed guide ramp on the plasma feed unit.

features & benefits

- Capable of handling up to 6 underfed coil cradles
- 16 ga to 28 ga mild steel capacity
- Coil widths from 48" to 60" standard
- 12,000 lbs coil capacity
- Hydraulic coil drive for smoother acceleration and deceleration of coils, utilizing auto coil reversal rewind technology
- Powered infeed guide ramp for safe, hands-free coil feeding
- Pneumatic backup wheels at each coil station for safe band removal and positive coil feeding
- Choice of beading either up or down to suit shop standards
- Will feed other existing plasma cutting systems

options

- ▶ Individual coil drives on each cradle
- ▶ Overfed coil cradles available to reduce floor space
- ▶ 72" coil width

specifications

	Overall Length*	
	Underfed Cradle System	Overfed Cradle System
One Cradle	17' 10"	12' 4"
Two Cradles	22' 2"	16' 8"
Three Cradles	26' 6"	21' 0"
Four Cradles	30' 10"	25' 4"
Five Cradles	35' 2"	
Six Cradles	39' 6"	

*Not including Plasma machine

Pittsburgh Seam Closer

Model V-PSC-V516 – Patent Pending



The Vicon Pittsburgh Seam Closer reliably closes the Pittsburgh seam on duct work ranging from 16 – 26 Ga. and 12" to 60" in length. The heavy-duty "Single V" forming roll closes the Pittsburgh seam from either side, eliminating the need to turn the duct section over to align the Pittsburgh edge with the forming wheels thus saving time and labor.

features & benefits

- 26 to 16 gauge material capacity
- 12" to 60" duct length
- "Single V" Forming Roll with heavy duty bearings and shafts will close the Pittsburgh seam from either side eliminating the need to turn duct section over to align the Pittsburgh edge with the forming wheels
- Grease fittings on the forming roll for longevity
- Easy to clean sealant from forming roll
- Counter balanced top clamp head for easy set-up (no tools required)
- Large, heavy-duty removable clamp pads for easy clean up of duct sealant
- Large, heavy-duty roller chain drive (no cables)
- Easy operation with manual or automatic Push Button Control
- Hydraulic Power Unit (not shown)
- 3 HP Motor (Single or 3-Phase Voltage)

*Replaces most existing seam closers without pit modifications.
Pit dimensions provided upon request.*

Dual Head Corner Insertion Machine

Model V-DH-CIM-5

The Vicon Dual Head Corner Insertion Machine inserts and crimps stackable bolt connection corners into straight duct with T25-a or T25-b flanges. The Vicon Dual Head Corner Insertion Machine handles ducts of 26 to 16 gauge galvanized in lengths ranging from 32" to 56" with quick and simple adjustments. Truly the most reliable and rugged machine available.

features & benefits

- 26 to 16 gauge capacity.
- Minimum straight duct length 32"
- Maximum straight duct length 56"
- Heavy Duty Tubular Frame Structure Design
- No tools required for changing duct lengths.
- Available tooling for T25-a or T25-b corners.
- Duct connector types TDX®, TDC®, TDF®
- Compatible with most brands of stackable corners.
- Auto or manual control functions.
- Can operate top or bottom head independently.
- Low corner quantity alarm sensor. Eliminates crimping without the corner.
- Built in quick leveling system for easy installation.
- Easy removable access covers for maintenance and cleaning.
- Voltage 110/1/60 Hz
- Air requirement: 100 PSI
- Optional six foot (6') capacity machine available upon request.



Pit dimensions provided upon request.

Duct Brake

Model V-TDX-B

The Vicon Duct Brake forms TDX flanged duct work with quick and easy positioning and 90° bending of L-Duct Section, Full Wrapper Duct, and Fittings.



features & benefits

- 16 gauge x 5' Bending Capacity
- Maximum 2" Liner Capacity when forming lined duct
- 6" x 6" minimum full wrapped, unlined duct size
- Pneumatic forming cycle, single foot switch operation for TDX or S&D
- Manual or push button controls
- Timer to control bend sequences
- Precision heavy duty construction
- Adjustable height table for TDX, S&D and Raw
- Slip & Drive capability
- Front support apron
- Retractable notch positioning guide for self-aligning bend location and easier part removal
- 80 PSI / 5 CFM
- 115 Volt / Single Phase

options

- ▶ 36" Manual Backgauge

Duct Beader

Model V-2060-BD (20 Ga)

Model V-1860-BD (18 Ga)

features & benefits

Model V-2060-BD

- 20 gauge Mild Steel Capacity, 60" wide
- 12" bead increments
- Chain Drive
- 30 FPM
- ¼ HP Motor, 115 volt single phase

Model V-1860-BD

- 18 gauge Mild Steel Capacity, 60" wide
- 12" bead increments
- Chain Drive
- 40 FPM
- ½ HP Motor, 115 volt single phase



options

- ▶ Foot pedal

Pneumatic Cheekbender

Model V2418CB

Model V2418CB-BP



features & benefits

- Designed to form a 90° flange on either side of the unit



(Optional Button Punch available)

- 18 gauge mild steel maximum capacity
- 24" wide bending capacity
- Foot pedal control
- Open ended allowing formation on either side as well as longer flanges with additional cycles
- Welded tubular frame
- Replaceable, hardened wear plate for use with plasma cut edge
- Slide out gauge allows for 1/4" or 7/16" bend

Edge Notcher

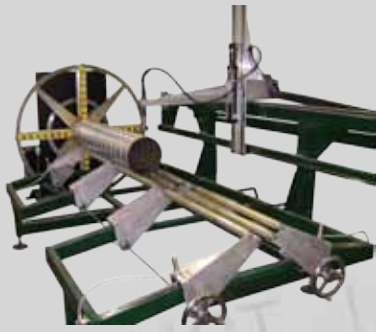
Model V-EN-20 (20 Ga)

Model V-EN-18 (18 Ga)

features & benefits

- 18 or 20 gauge mild steel capacities available
- Variable notch depth up to 1-1/4"
- Variable notch spacing (Factory set at 3/4")
- Automatically progresses flat parts or round pipe
- Voltage – 110/1/60; 1 HP Motor (20 ga model)
– 220/1/60; 2 HP Motor (18 ga model)
- Bench mounting recommended

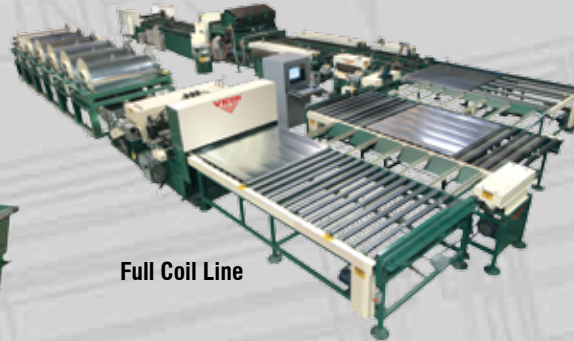




Spiral Pipe
Plasma Cutting System



ViStream
Waterjet Liner Cutting System



Full Coil Line



Model HVAC 510 SL
Liner Cutting System



Model HVAC 510
Plasma Cutting System

Vicon's full line of HVAC manufacturing systems are specially engineered to help duct shops compete in today's highly competitive environment.



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