Where Superior Duct Work Begins™

PROUDLY MANUFACTURED IN THE USA

WHERE SUPERIOR DUCT WORK BEGINS™

VICON is the industry leader of the complete automation of the duct fabrication process. Our patented features and innovative solutions are specifically designed to meet your manufacturing requirements. Proudly designed, manufactured, and supported entirely in the United States, our cutting-edge machinery ensures precision and efficiency while minimizing costs and material waste.

Our product portfolio encompasses HVAC, Fabrication, and Precision Systems, offering advanced solutions to address a wide range of manufacturing needs. Each VICON machine is supported by a dedicated team of experienced machine tool experts who are committed to delivering exceptional customer service.

Our knowledgeable sales team is focused on fully understanding and addressing your needs. Following the sale, our professional technicians provide ongoing support. All VICON machines are accompanied by an industry-leading warranty and complimentary lifetime telephone support.
At VICON, we don't just build machines – we build partnerships.
It's that simple!

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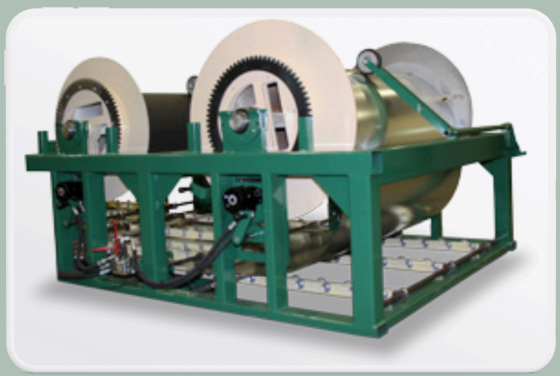
CONTENTS

COIL LINE

The Vicon Coil Line is designed to deliver maximum profitability and efficiency, featuring the industry's fastest patented coil loading system and a unique rollformer design engineered for maximum uptime. Engineered for reliable performance, high productivity, and precise part transfer, it takes duct work production to the next level.

The state of the art PC Controller powered by ViSoft Software for Windows®, features an intuitive, menu-driven interface that can be tailored to meet SMACNA standards or customized to align with your shop's specific requirements. Backed by Vicon's team of programming engineers, ViSoft enhances productivity and precision, ensuring your operation runs seamlessly.



Coil Spool Assembly
US Patent #7,673,915

Optional Coil Line Plasma Cutting
US Patent #9,393,638 & #9,731,376

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Optional Four Position Insulation Holder
US Patent #7,926,757

Heavy Duty Liner Shearing
US Patent #9,981,399 B2

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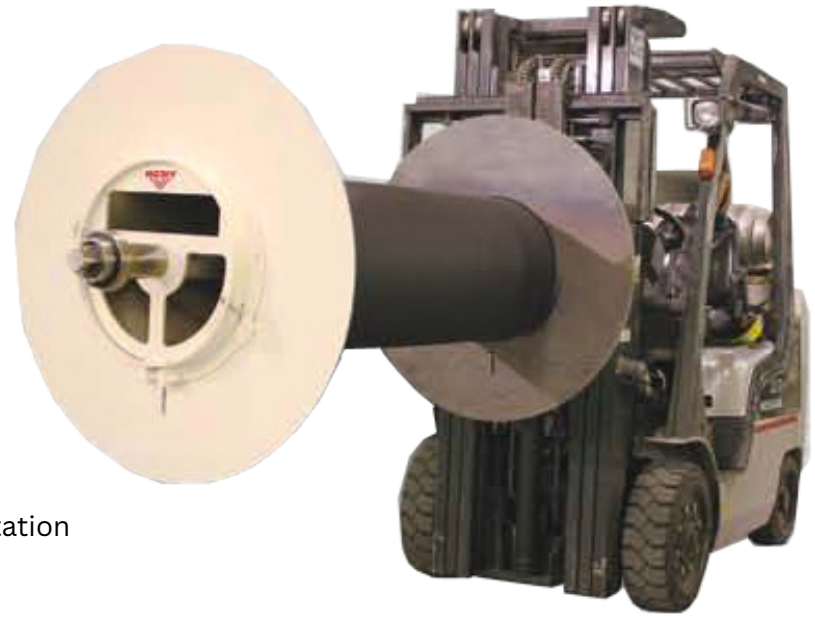
COIL HANDLING SYSTEM

The VICON Coil Cradle System offers an efficient, user-friendly process for loading coils. Coils are spooled onto patented Coil Drum Assemblies (US Patent #7,673,915) and can be inserted into the coil material using a forklift in minutes. Coils are then loaded into cradles with a forklift or crane, allowing one person to manage the entire operation.

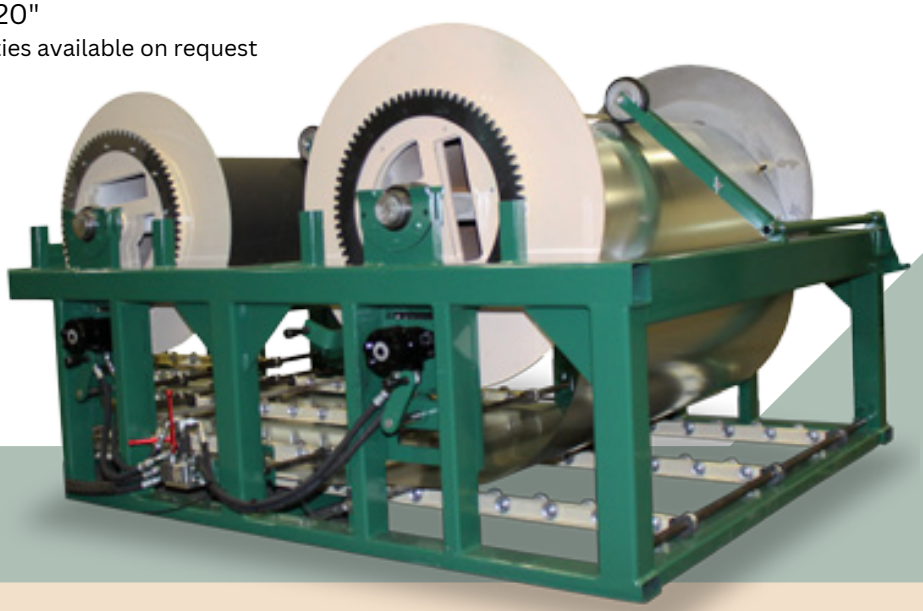
The Coil Cradles feature individual hydraulic coil drive motors and pneumatic "backup" wheels at each coil station to ensure positive feed and secure band removal on the new coils.
An underfed roller track guiding system is incorporated to direct the end of each coil up to the infeed guide ramp of the duct blanking system.



STANDARD SPECIFICATIONS

- *Number of Stations: 1-6
- *Max Coil Weight: 12,000lbs per station
- *Max Coil Width: 60"
- *Max Coil O.D. : 42"
- *Coil I.D. : 20"

*Optional capacities available on request



FEATURES & BENEFITS

- Individual hydraulic coil drive motors at each station for extremely smooth and quiet material feed
- Each drive motor is retractable for safe material loading
- Automatic forward and reverse drive capability with slack loop sensing system
- Forklift and Crane loading capability

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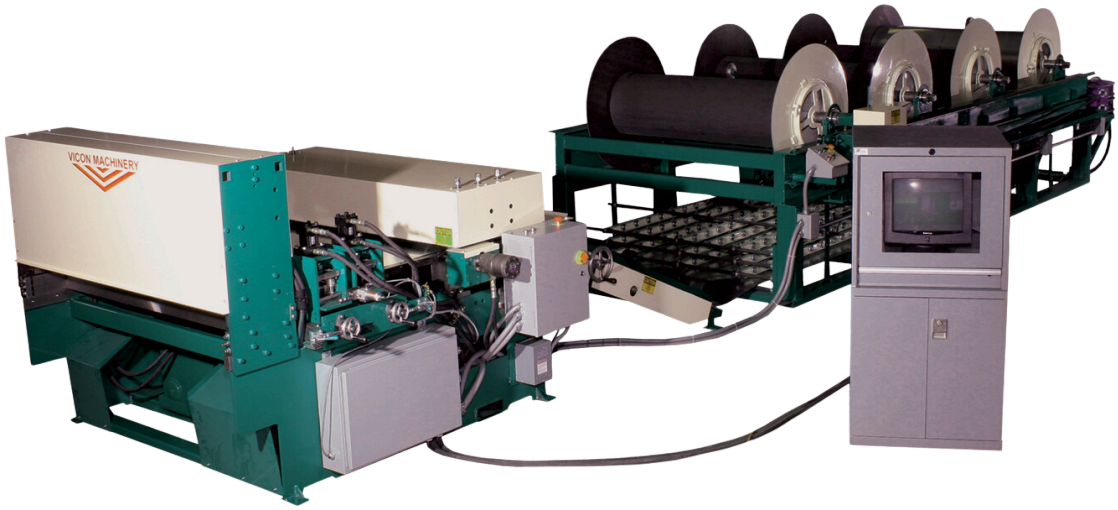
DUCT LINE EXPRESS

Automatic Rectangular Duct Blanking System



The VICON duct fabrication system centers around the essential Duct-Line Express front-end. Transform it into a complete Full Coil Line effortlessly by integrating modular VICON Coil Line components, delivering exceptional versatility and productivity.

FEATURES & BENEFITS

- Precision, high speed servo feed system for the fastest production rate in the industry
- Gear-driven four roll straightener with 4” diameter rolls
- Individual coil drive motors on each coil station
- Pneumatic back-up wheels at each coil station for safe band removal and positive coil feed
- Heavy-duty notching unit with combination dies to provide Slip & Drive, TDX, Snaplock and Pittsburgh notch patterns
- Dual hydraulic cylinder shear with high carbon, high chrome D-2 shear blades. Fully adjustable heavy-duty gibs allow for independent blade gap adjustment. Heavy-duty torsion synchronization shaft ensures proper shear angle throughout the stroke
- VICON PC based control system capable of controlling the complete system
- Ring type beading with SMACNA spacing
- Hands-free coil feed

STANDARD SPECIFICATIONS

- 16–30-gauge mild steel capacity
- *12,000 lbs. max coil capacity (with coil drive)
- *Coil widths from 48”- 60” standard
- *Number of Stations: 1-6
- Quick-change coil spools (US Patent #7,673,915)
- Individual Hydraulic coil drive motors
- Powered in-feed guide ramp with hand wheel for change in coil widths

* Optional capacities available upon request

OPTIONS

- Heavy-duty coil processing, 4.5” diameter six (6) roll straighter, 14-gauge mild steel notching and shearing
- Tie rod hole punch unit Model HP-5 provides tie rod and damper holes per SMACNA standards (or set your own standards)
- Plasma Cutting Unit designed to cut round, oval and rectangular holes for tap-ins and access doors without limitations on the entire duct blank (US Patent #9,393,638 & #9,731,376)
- Economical overfed coil cradle systems for smaller overall footprint
- Heavy-duty "Patented" shearing process (US Patent #9,981,399 B2)
- 30” wide coil processing capability for transverse duct flange (T25a & T25b) on standard 60” coil width system
- Heavy-duty in-line slitting with multiple slits available

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SHEAR & BEND

The VICON Shear & Bend offers a practical solution for shop needs, featuring a patented coil cradle system, ramp, straightener unit, beader, notching unit, and heavy-duty shear and bending unit. The Full Coil line can be easily completed with additional modular VICON coil line components.

FEATURES & BENEFITS

- Pneumatic back-up wheels at each coil station for safe band removal and positive coil feed
- High-speed servo feed system gear-driven four roll straightener with 4” diameter rolls
- Individual coil drive motors on each coil station
- Robust, gear-driven four roll straightener with 4” diameter rolls
- Ring type beading with SMACNA spacing
- Heavy-duty notching unit with combination dies to provide Slip & Drive, TDX, Snaplock and Pittsburgh notch patterns
- Dual hydraulic cylinder shear with high carbon, high chrome D-2 shear blades. Fully adjustable heavy duty gibs allow for independent blade gap adjustment. Heavy-duty torsion synchronization shaft ensures proper shear angle throughout the stroke
- Rugged bending unit to form the male Pittsburgh edge as well as an L-section, U-section, or full wrap
- VICON PC based control system capable of controlling the complete system
- Hands-free coil feed

STANDARD SPECIFICATIONS

- 16–30-gauge mild steel capacity
- *12,000 lbs. max coil capacity (with coil drive)
- *Coil widths from 48”- 60” standard
- *Number of Stations: 1-6
- Quick-change coil spools (US Patent #7,673,915)
- Individual Hydraulic coil drive motors
- Powered in-feed guide ramp with hand wheel for change in coil widths

* Optional capacities available upon request

OPTIONS

- Tie rod hole punch unit Model HP-5 provides tie rod damper holes per SMACNA standards or customizable to your shop standards
- Male button punch system for Snaplock male edge
- Dual Head Cleat Edge rollformer to form the female cleat edges on L-Section or full wrap section
- Economical overfed coil cradle systems for smaller overall footprint

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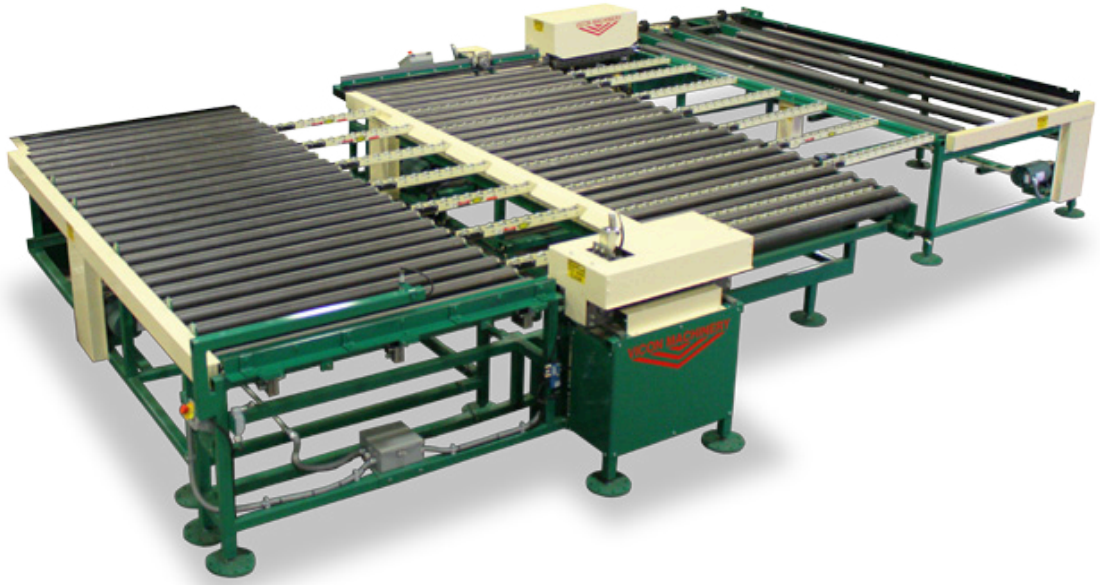
LOCKSEAM SYSTEM and TRANSFER/FEED CONVEYOR SYSTEM



The VICON Lockseam System excels in design, providing a user-friendly and reliable method for automatically creating Pittsburgh and Snaplock seams. Its "Accessible Concept" eliminates overhead devices to minimize miss-feeds or jams, while the "open top" feature allows for larger blanks to be fed into the TDX, liner, and brake systems.

FEATURES & BENEFITS

- Forms Pittsburgh and Snaplock seams automatically
- Female and male seams formed independently eliminating tapered edges and duct “twist” allowing the fastest production rate in the industry
- Large heavy-duty bearings with inner races and grease fittings protect rollformers and extend the life of the machines
- Chain driven, heavy-duty roller transfer conveyors
- Positive roll form feed system to ensure square formation
- Quick changeover on female lock using a rotating rollformer frame
- Automatic quick set for button punch on male edge
- Material removal bypass feature allows for blank removal of sheets to be plasma cut or used for other operations

STANDARD SPECIFICATIONS

- Heavy-duty roll form heads
- 120" maximum and 14" minimum duct stretch-out
- 138" maximum material streatch-out on 4-piece duct
- 18-26-gauge mild steel capacity for Pittsburgh
- 20-28-gauge mild steel capacity for Snaplock

* Lighter and heavier capacities available upon request

OPTIONS

- Dual head system designed to minimize footprint and maximize productivity when ship floor space is limited
- Automatic duct seam sealant system
- Industrial hard chrome plated rollform tooling
- Extended length transfer system for additional duct stretch-out

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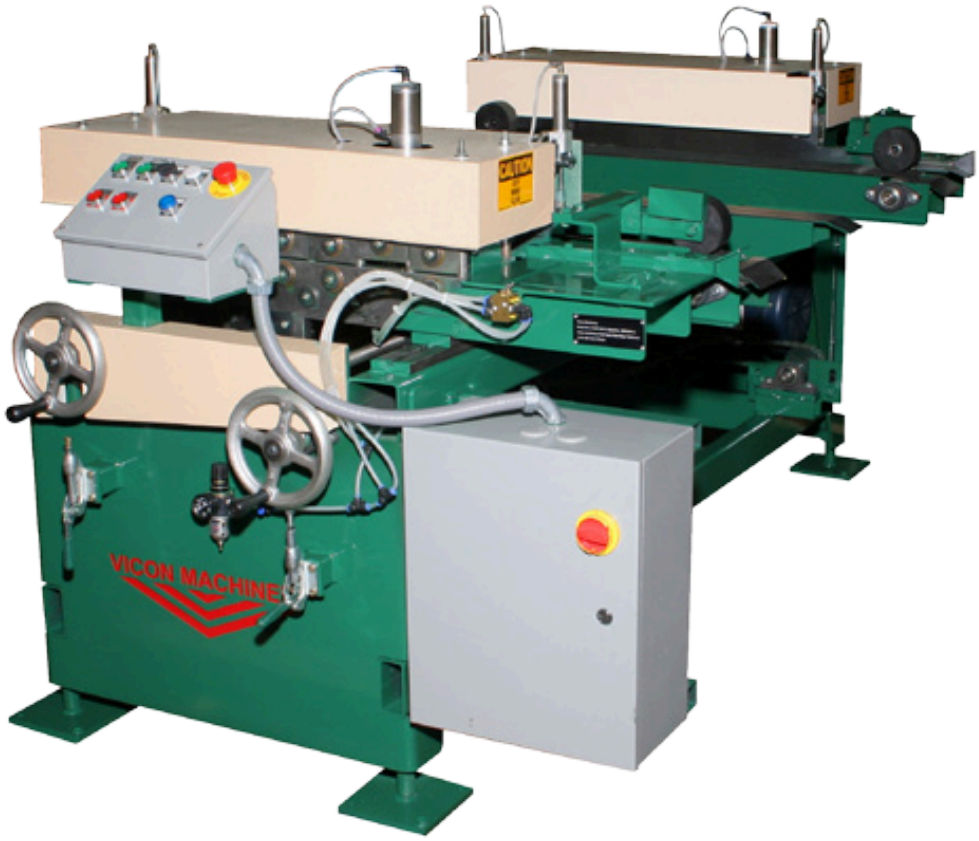
DUAL HEAD CLEAT EDGE FORMER



The VICON Dual Head Cleat Edge Former rollforms a 7/16" cleat edge on both ends of the duct after the Male and Female lockseam has been rollformed.

FEATURES & BENEFITS

- Cleats can be formed on either the short or long leg of L-section or full wrap duct
- Reliable, quiet performance
- Accurate positioning with precision ball screws
- Large heavy-duty bearings with inner races and grease fittings protect rollformer and extend the life of the machine
- Pneumatically operated bypass guides with wedge-grip conveyors allow blanks to be fed through for other types of duct connectors

STANDARD SPECIFICATIONS

- 18-26-gauge mild steel capacity with no adjustments
- 7/16" cleat edge with minimum cleat length of 4"
- 3HP motor coupled to a heavy-duty oil bath gear reducer
- 8 station heavy-duty conventional roll form heads
- Heavy-duty roller chain drive (no belts)
- Robust 1" diameter stress proof roller spindles

OPTIONS

- 72" coil capacity

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DUAL HEAD TDX ROLLFORMER

The VICON TDX Dual Head Rollformer is designed to produce your preference of either T-25a or T-25b SMACNA approved transverse flange connector.

FEATURES & BENEFITS

- Reliable, quiet, long life performance
- Superior quality with 16 forming station on each rollform head
- Precision ball screws for parallelism and quick change over
- Large heavy-duty bearings with inner races and grease fittings protect rollformer and extend the life of the machine
- Pneumatically operated bypass guides with wedge-grip conveyors allow blanks to be fed through for other types of duct connectors

STANDARD SPECIFICATIONS

- 18-26-gauge mild steel capacity with no adjustments required when changing metal thickness
- 10HP motor coupled to a heavy-duty oil bath gear reducer
- Heavy-duty roller chain drive (no belts)
- Rugged 1-1/4" diameter stress proof roller spindles

*16-gauge mild steel capacity available on request

OPTIONS

- “Grease duct, Welded duct” option available to produce right angle flange
- Industrial hard chrome plated rollform tooling

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AUTOMATIC DUCT LINER SYSTEM

The VICON Automatic Duct Liner Application System automates the processes of unwinding, cutting, applying adhesive to sheet metal, and securing duct liners without needing tooling or blade changes. It accommodates various liners like Armaflex® and K-Flex®. An optional four-position insulation coil holder further reduces downtime during insulation changeovers for long or short runs.

FEATURES & BENEFITS

- Heavy-duty patented liner shearing, capable of processing all types of liner material designed for use in coil line duct fabrication. No tooling or blade changes required. (US Patent #9,981,399 B2)
- Safe push button control allows fast, safe and easy threading and crop cutting of new insulation rolls
- Rows of pins spaced to SMACNA standard for low and high velocity air flows. Pin placement can be customized via the control system
- Unit automatically controlled by the VICON Control System
- Easy, open access to glue heads for cleaning
- Industry leading guiding system, no adjustments required

STANDARD SPECIFICATIONS

- Automatic adhesive extrusion application system
- Multi-speed drive for optimum pinning speed or bypass of unlined duct
- Designed to apply 44", 47", 48", 56", 59", and 60" wide liner
- Low profile liner cradle/uncoiler
- Multi-head pin spotter: choice of Duro Dyne® or Gripnail®

OPTIONS

- Patented Four (4) position insulation coil holder to allow for rapid change of insulation sizes US Patent #7,926,757)
- High-Speed multi-head pin spotter

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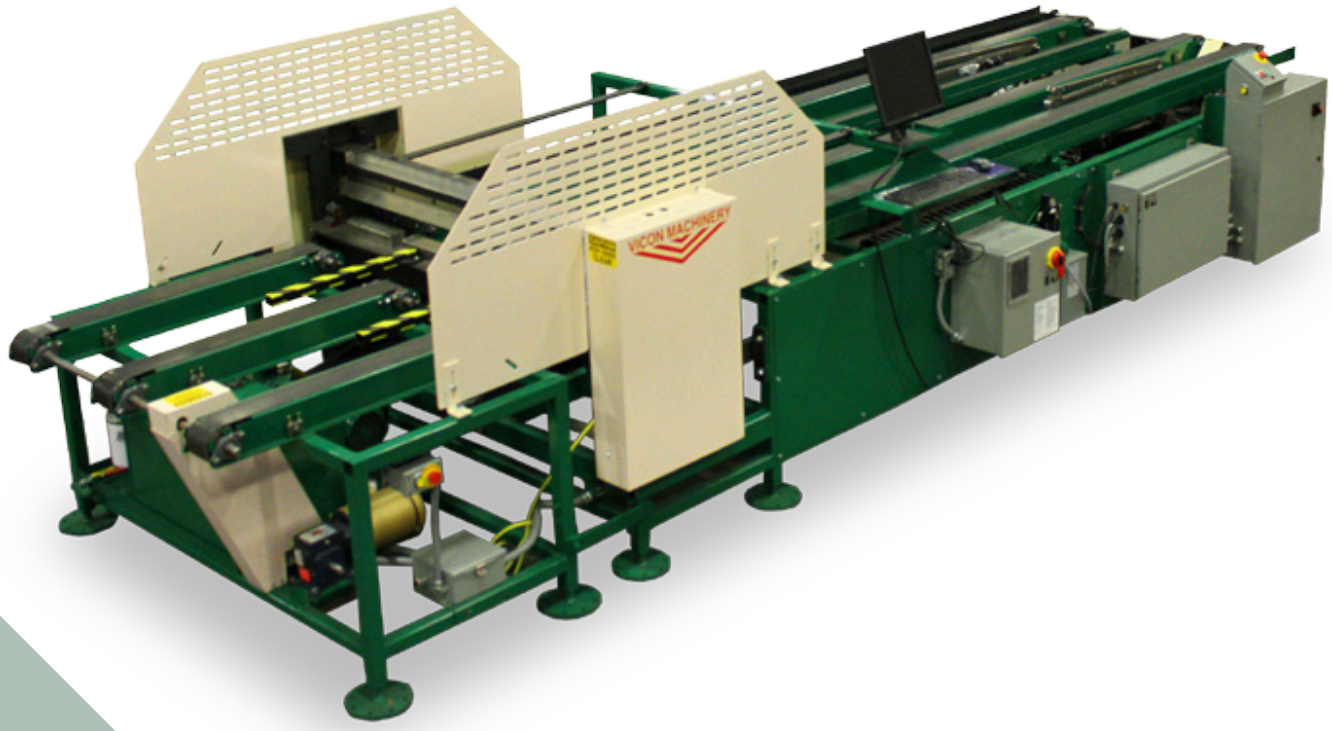
FULL WRAP BRAKE SYSTEM



The VICON Full Wrap Automatic Brake System is a heavy-duty high-speed servo feed bending system.

FEATURES & BENEFITS

- High production front gauge gripper/ejector system with dual rack and pinion servo-drive ensuring squareness and accuracy
- Reliable “Time Based Logic” eliminates need of adjustments to external sensors
- Remote Coil Line Operator Control station
- Industry leading guiding system, no adjustments required

OPTIONS

- L-Brake system also available
- 14-gauge mild steel capacity

STANDARD SPECIFICATIONS

- Heavy-duty 5’ hydraulic bending unit with 16-26-gauge mild steel capacity
- System capable of L-section, U-section or full wrap duct (min. size for full wrap is 6” x 6” unlined), maximum capacity 120” wrap perimeter
- 48” and 60” duct lengths for slip & drive/ raw duct and 44” and 56” duct lengths for TDX duct
- Unit automatically controlled by VICON Control System

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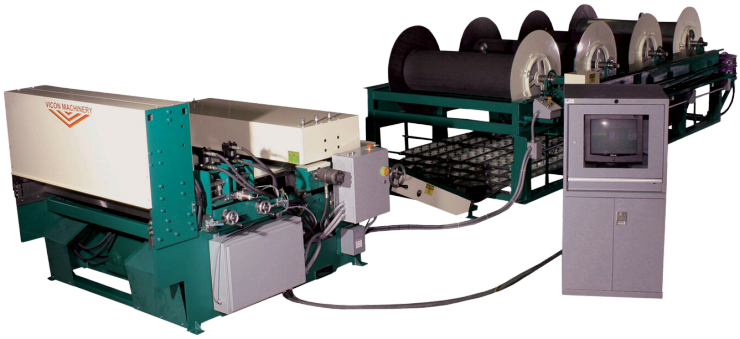
PIPE LINE

Dependable performance, impressive productivity, and outstanding part transfer are just the beginning. The Vicon Pipe Line is designed to manufacture precision round pipe sections at remarkable speed. It can handle sizes from 3 inches to 24 inches in diameter, using either the Reeves or modified lock seam. This innovative pipe line is engineered to create highly profitable ductwork.



PIPE-LINE EXPRESS - The Pipe-Line Express includes an uncoiler (patented), feeder, straightener unit, beader, notching unit and heavy duty shear.

The precision servo drive on the straightener delivers accurate blanks every time for consistent pipe diameters. Underfed coil cradles provide easy threading and allow a quick change to another coil when needed.

PIPE LOCKSEAM SYSTEM

The system can be provided with a turn around roll former to allow switching from one lock style to the other in just minutes. Pipe thickness can range from 30 to 24-gauge and pipe length can range from 2’ to 5’.

The dual head lock seam roll former automatically sets to the proper location with a servo drive and is controlled by the single input operator console.

NOR PIPE ROLL SYSTEM

The pipe roller is supplied by Nor and is controlled by a microprocessor. The male end of the pipe is crimped during the bending cycle and the lock seams remain uncrushed by being “jumped” over during the automatic process.

As pipes are completed, the line operator can hold the first piece in place as the part exits the roller, which allows the next part to feed inside the prior piece. This is done repetitiously for nesting and packaging purposes.

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PATENTED PITTSBURGH SEAM CLOSER

US Patent #9,375,776
US Patent # 9,511,409
US Patent # 9,623,472
US Patent # 10,160,027

The Patented VICON Pittsburgh Seam Closer effectively seals the Pittsburgh seam on ducts between 16 and 26-gauge and 12 to 60 inches in length. Its heavy-duty "Single V" forming roll seals the seam from either side, eliminating the need to flip the duct over to align the Pittsburgh edge with the forming wheels, saving both time and labor.

FEATURES & BENEFITS

- 16 to 26-gauge mild steel 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
- Counter balanced top clamp head for easy set-up (no tools required)
- Large, heavy-duty removable clamp pads for easy cleanup 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 are provided upon request

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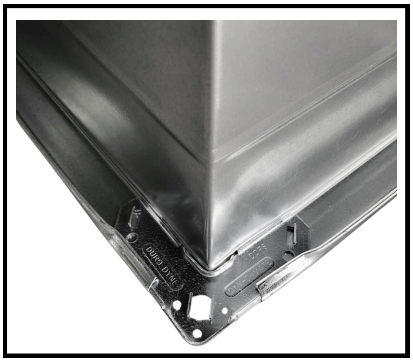
DUAL HEAD CORNER INSERTION MACHINE

The Vicon Dual Head Corner Insertion Machine is designed to insert and crimp stackable bolt connection corners into straight duct with T25-a or T25-b flanges. This machine can handle ducts of 26 to 16 gauge galvanized in lengths ranging from 32” to 56” with quick and simple adjustments. It stands out as the most dependable and durable machine on the market



FEATURES & BENEFITS

- 16 to 26-gauge mild steel capacity
- Duct length capacity 32" - 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
- Operator friendly sensor indicator lights for efficient duct insertion
- Low corner quantity alarm sensor, eliminates crimping without the corner
- Voltage 110/1/60 Hz
- Air requirement: 100 PSI
- Optional six-foot capacity machine available

*Pit dimensions are provided upon request

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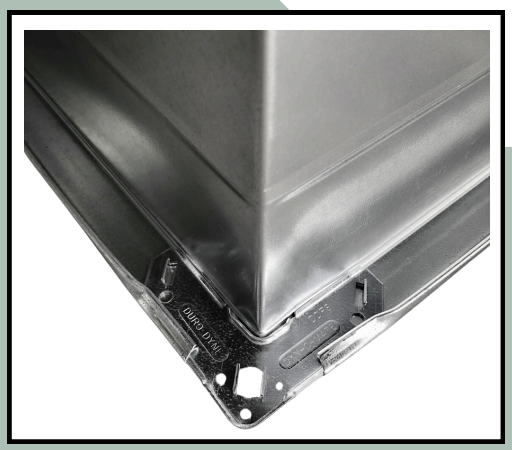
SINGLE HEAD CORNER INSERTION MACHINE

The Vicon Single Head Corner Insertion Machine is built with a robust frame structure specifically for inserting flanged duct fittings at single corners. It is compatible with various brands of TDX™, TDF™, TDC™ stackable corners and is equipped with standard tooling for 16–26-gauge ducts. The machine offers interchangeable tooling with quick changeover for different flange types. It requires 100 PSI air pressure for 16-gauge processing and is designed for customizable operator working height, whether placed on a tabletop or in-ground/pit placement.

FEATURES & BENEFITS

- Standard tooling designed for 16–26-gauge mild steel duct
- Tabletop or In Ground Design
- Manual or Auto Push Button controls
- Utilizes various brands of stackable corners
- Duct Connector types TDX™, TDF™, TDC™
- Interchangeable tooling available for various flange types, if required
- Tooling designed for quick changeover
- Voltage: 110/1/60Hz
- Air requirement: 100 PSI for 16-gauge material



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COIL FEED SYSTEM

Optimize your operations and cut costs with the Vicon Coil Feeding System. Designed to streamline your workflow, this advanced system reduces waste and eliminates manual labor by uncoiling, straightening, beading, and feeding materials of varying thicknesses directly to your laser or plasma cutting machine.

FEATURES & BENEFITS

- Capable of handling up to 6 underfed coil cradles
- 16 - 28-gauge mild steel capacity
- Coil widths from 48" to 60" standard
- 12,000lb 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 plasma cutting systems

	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

OPTIONS

- Individual coil drives on each cradle
- Overfed coil cradles available to reduce floor space
- 72" coil width
- 14-gauge capacity with six roll heavy-duty straightener

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DUCT BRAKE

The Vicon Duct Brake forms TDX flanged ductwork, enabling effortless positioning and 90° bending of L-Duct Section, Full Wrap 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 or control bend sequences
- Precision heavy-duty construction
- Adjustable height table for TDX, S&D and RAW
- Slip & Drive capability
- Front support apron
- Retractable notch processing guide for self-aligning bend location and easier part removal
- 115 Volt/Single Phase
- 80PSI/5 CFM

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DUCT BEADER

The Vicon Duct Beader creates duct beads rapidly in 12" increments, without cross-braking. It's crafted for 18-gauge mild steel, featuring a 1/2 hp, 115-volt single-phase motor.

FEATURES & BENEFITS

- Capable of handling up to 6 underfed coil cradles
- 18-gauge mild steel capacity
- 12" bead increments
- Chain drive
- 40 FPM
- 1/2 HP Motor, 115 Volt single phase

OPTIONS

- Foot Pedal

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PNEUMATIC CHEEK BENDER

The Vicon Cheek Bender will form 1/4" and 7/16" male quarter edge flanges to the cheeks of your fittings. An optional Button Punch lancing feature is available.

FEATURES & BENEFITS

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

- 18-gauge mild steel capacity
- 24" wide bending capacity
- Foot pedal controls
- Inclined face for ease of use and better ergonomics
- 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
- Slideout gauge allows for 1/4" or 7/16" bend

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EDGE NOTCHER

The Vicon Edge Notcher includes a feature for releasing the latch, allowing notching of round pipes after they have been rolled. It is also capable of notching tap-in locks after they have been roll formed. By adjusting the guide depth, the punch can notch right up to the standing seam profile. The notch pattern can be performed in the flat, prior to rollforming.

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 18-ga model - 220/1/60, 2 HP motor
- Voltage 20-ga model - 110/1/60, 1 HP motor

*Bench mounting recommended

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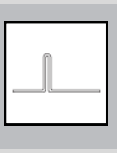
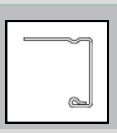
TDX

The Vicon TDX 16 Station Rollformer is specifically designed to produce the T-25a transverse flange (four-bolt) connection. This profile has been rigorously evaluated by the SMACNA Testing and Research Institute and meets the criteria outlined in SMACNA's HVAC Duct Construction Standards.

The TDX Rollformer comes standard with one set of TDX-II tooling mounted on the left outboard station. Additionally, it offers one inboard and one outboard roll space, allowing for optional tooling configurations to suit specific shop needs.

FEATURES & BENEFITS

- Sixteen (16) forming stations for superior quality
- 18-26-ga material capacity - No adjustments between gauges
- Approximately 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
- Slideout 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" 20-24GA Standard Standing "S"	Inboard	
TDX Clip-2-1/4", 20-22GA 16 Station 12 Station	Inboard Outboard	
1-5/8" 16-20GA, 2-in-1 Standing Seam	Outboard	
1-1/8" 18-24GA 3-in-1 Tap-in-Lock, Standing Seam & Right Angle Flange	Outboard	
2" x 2" Angle 16GA Capacity	Outboard	
16-20GA 7/16" Pittsburgh (8 Stations), 1-3/8" Notch	Outboard	
18-26GA 7/16" Pittsburgh (8 Stations), 1-3/8" Notch	Outboard	
Special Option Available TDX 16-24GA Capacity 50FPM	Outboard	
TDX "C" 18-26GA (T25a)	Outboard	

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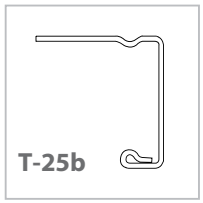
TDX-II

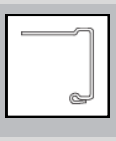
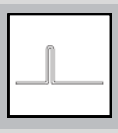


The Vicon TDX-II 12 Station Rollformer is specifically designed to produce the T-25a transverse flange (four-bolt) connection. This profile has been rigorously evaluated by the SMACNA Testing and Research Institute and meets the criteria outlined in SMACNA's HVAC Duct Construction Standards.

The TDX-II Rollformer comes standard with one set of TDX-II tooling mounted on the left outboard station. Additionally, it offers one inboard and one outboard roll space, allowing for optional tooling configurations to suit specific shop needs.

FEATURES & BENEFITS

- Twelve (12) forming stations for superior quality
- 18-26-ga material capacity - No adjustments between gauges
- Approximately 50 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
- Slideout 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" 20-22GA Standing "S"	Inboard	
1-1/8" 20-24GA Standard Standing "S"	Inboard	
TDX Clip-2-1/4", 20-22GA 2-1/4" Material	Inboard or Outboard	
TDX-II "C" 18-26GA (T25a)	Outboard	
1-5/8" 16-20GA, 2-in-1 Standing Seam	Outboard	
1-1/8" 18-24GA 3-in-1 Tap-in-Lock, Standing Seam & Right Angle Flange (10 Stations)	Outboard	
2" x 2" Angle 16GA Capacity	Outboard	
16-20GA 7/16" Pittsburgh (8 Stations), 1-3/8" Notch	Outboard	
18-26GA 7/16" Pittsburgh (8 Stations), 1-3/8" Notch	Outboard	

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V8 PITTSBURGH

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	SPEED
V8-P20	Small Pittsburgh 20-28GA 5/16" pocket, 1" notch	90 FPM
V8-P18	Large Pittsburgh 18-24GA 7/16" pocket, 1-38" notch	90 FPM
V8-P16	Large Pittsburgh 16-20GA 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 rollset
- Heavy-duty roller chain drive, no belts
- Heavy-duty 1" diameter stress proof roller shafts
- Slideout shaft design allows for easy maintenance
- 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
- Large heavy-duty bearings with inner races and grease fittings protect roll shafts extending bearing life
- 90 FPM pitch speed
- Heavy-duty motor starter with thermal protection overloads

OPTIONS

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

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

- Acme Lock (Double Seam) Rolls
  (20-28GA or 16-22GA)

- 5 gallon Sealant System for sealing Pittsburgh Lock (1 gun)
- 5 HP single phase motor
- Additional options available upon request

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V8 SNAPLOCK

The VICON V8 Eight-Station Snaplock Rollformer can be equipped with Button Punch Snaplock or Round Pipe Snaplock. All V8 rollformers create seams that surpass SMACNA standards.

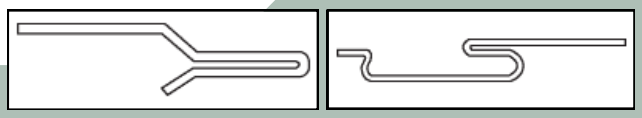
MODEL	LEFT OUTBOARD (Female)	RIGHT OUTBOARD (Male)	SPEED
V8-P20 Button Punch Snaplock	Snaplock 20-28GA, 1-3/8" Notch	Male Button Punch 20-28GA 7/16" Notch	90 FPM
V8-RPSL Round Pipe Snaplock	Modified Reeves Lock 24-30GA	Modified Reeves Lock 24-30GA	90 FPM

FEATURES & BENEFITS

- Quietest machine in the industry
- Eight forming stations for all roll sets - no opening roll on any rollset
- Heavy-duty roller chain drive, no belts
- Heavy-duty 1" diameter stress proof roller shafts
- Slideout shaft design allows for easy maintenance
- 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
- Large heavy-duty bearings with inner races and grease fittings protect roll shafts extending bearing life
- 90 FPM pitch speed
- Heavy-duty motor starter with thermal protection overloads

V8 BUTTON PUNCH SNAPLOCK

V8 ROUND PIPE SNAPLOCK



OPTIONS

- Crossover System:
  Two machines tooled and positioned to allow for faster production rates of Pittsburgh and Snaplock

ROLLFORM

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V8 SLIP & DRIVE

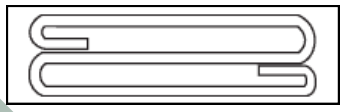
V8 Slip & Drive
Model V8-SD

V8 Flat "S"
Model V8-S

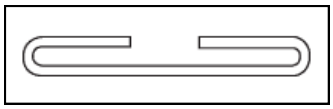
V8 Drive Cleat
Model V8-D

The Vicon V8 Slip & Drive Rollformer creates joints that surpass SMACNA's standards. This rollformer has eight stations, Flat "S" and Drive Cleat tooling inboard, and the option to add Pittsburgh, Snaplock, 4-in-1, or Acme Lock rolls as outboard tooling. Additionally, it offers an optional high-speed slitter for producing slips and drives from scrap metal, reducing labor and material costs.

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



DRIVE Cleat
(22-28-ga, 2-1/8" strip)



FEATURES & BENEFITS

- Quietest machine in the industry
- Eight forming stations for all roll sets - no opening roll on any rollset
- Heavy-duty roller chain drive, no belts
- Heavy-duty 1" diameter stress proof roller shafts
- Slideout shaft design allows for easy maintenance
- 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
- Large heavy-duty bearings with inner races and grease fittings protect roll shafts extending bearing life
- 90 FPM pitch speed
- Heavy-duty motor starter with thermal protection overloads

OPTIONS

- Slitter Attachment
- 5 gallon Sealant System for sealing Pittsburgh Lock (1 gun)
- 5 HP single phase motor
- Additional options available upon request

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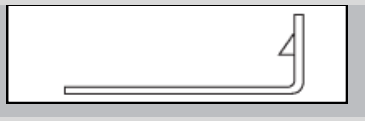
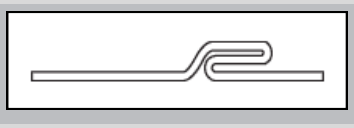
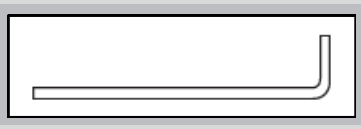
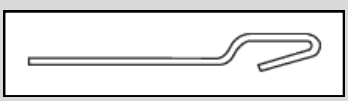
V8 OUTBOARD TOOLING OPTIONS

TOOLING OPTION	LOCATION	PROFILE
Female Snaplock 20-30GA, 5/8" Pocket, 1/38" Notch	Left	
Male Snaplock 20-30GA, 7/16" Notch	Right	
Small Pittsburgh 20-28GA, 5/16" Pocket, 1" Notch	Left	
Large Pittsburgh 18-24GA, 7/16" Pocket, 1-3/8" Notch	Left	
Large Pittsburgh 16-20GA, 7/16" Pocket, 1-3/8" Notch	Left	
Right Angle Flange 20-28GA, 1/4" - 7/16"	Right	
Right Angle Flange 20-28GA, 1/4" - 7/16"	Right	
4-in-1 Rolls, 22-28GA 5/8" Tap-In, 5/8" Standing Seam 9/16" Male Seam, 1/4" Male Pittsburgh	Right	
Acme Lock (Double Seam) 20-28GA	Right	
Acme Lock (Double Seam) 16-22GA	Right	

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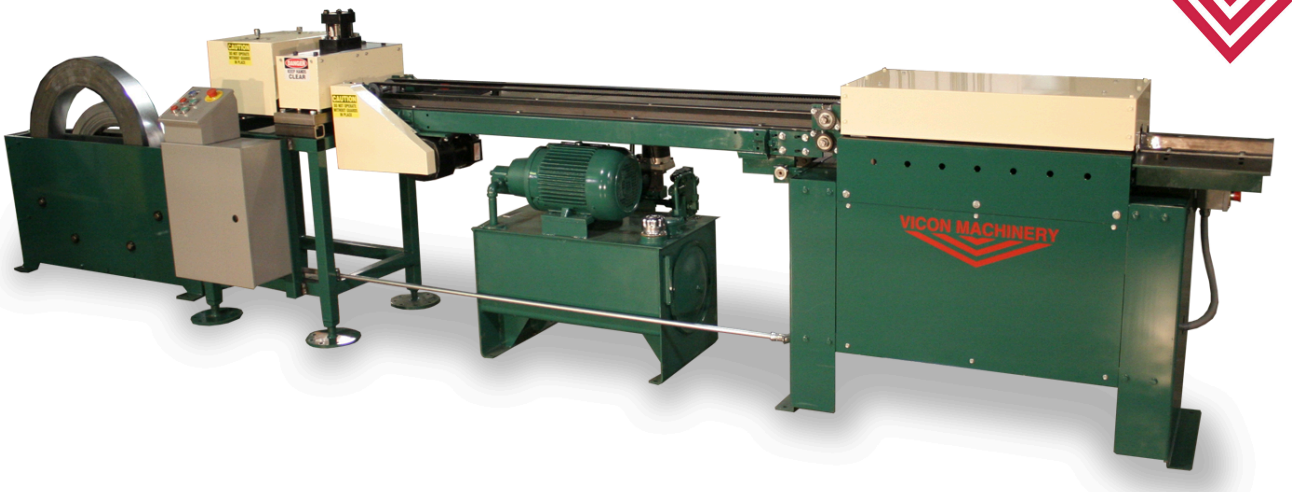
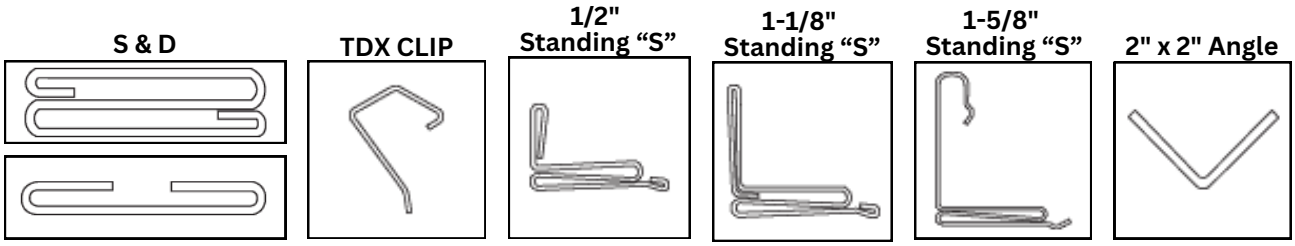
COIL STRIP FEED LINE





The Vicon Coil Strip Feed Line offers multiple configurations to produce a variety of profiles. The coil metal stock can be uncoiled, straightened, and cut to length either prior to or following the rollform machine, depending on the specific application.

The coil cradles and machine guides are designed to pre-align the material for processing, which helps reduce setup time. The line is managed by the Vicon PC Control system, ensuring the production of precise finished parts, and it can also be synchronized with the Vicon office program.

FEATURES & BENEFITS

- Dual drop style decoiler (shown above) other types decoilers are available.
- Vicon PC Cut-to-Length control
- Hydraulically driven three 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 ± 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

OPTIONS

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

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HVAC 1.5kw
LASER CUTTING SYSTEM

Shown with optional safety enclosure

This rugged yet flexible laser cutting machine is the solution for the optimal processing of HVAC duct fittings. Fast, clean and accurate, this CNC cutting system drastically reduces waste material and operating costs resulting in greater profitability.

Exclusive dual rack and pinion drives provide superb positioning accuracy for unmatched part quality. Material stops guide the operator for loading sheets eliminating error and material waste.

FEATURES & BENEFITS

- Available in 5' x 10' or 5' x 20' cutting areas to accommodate various shop requirements
- 1500 watt Raycus fiber laser power supply
- Computer controlled auto focus cutting head (Switerland Raytools AG)
- Vicon Programmable Capacitive Laser Height Control
- State-of-the-Art PC Control with Vicon HVAC Cutting Software
- State-of-the-Art electronics incorporating high-speed motors capable of traversing at a maximum 2000 ipm resulting in faster part production
- Heavy-duty one piece steel frame
- Light-weight aluminum gantry, double rack and pinion drive with dual high-speed digital motors

HVAC 510LSR 1.5kw

Effective Cutting Area	5′ x 10′
Machine Dimensions	144″ x 90" x 35"

HVAC 520LSR 1.5kw

Effective Cutting Area	5′ x 20′
Machine Dimensions	188″ x 90" x 35"

OPTIONS

- Safety Enclosure
- Additional tooling station with plasma cutting
- Download interface from most CAD/CAM software programs
- Office programming system including PC, software, LAN Cable, and hub
- Vicon Coil Feed system

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FAB 3.0kw
LASER CUTTING SYSTEM

Shown with optional safety enclosure and Coil Feed System

This rugged yet flexible laser cutting machine is the solution for the optimal processing of HVAC duct fittings. Fast, clean and accurate, this CNC cutting system drastically reduces waste material and operating costs resulting in greater profitability.

Exclusive dual rack and pinion drives provide superb positioning accuracy for unmatched part quality. Material stops guide the operator for loading sheets eliminating error and material waste.

FEATURES & BENEFITS

- Available in 5' x 10' or 5' x 20' cutting areas to accommodate various shop requirements
- 3000 watt Raycus fiber laser power supply
- Computer controlled auto focus cutting head (Switerland Raytools AG)
- Vicon Programmable Capacitive Laser Height Control
- State-of-the-Art PC Control with Vicon FAB Cutting Software
- State-of-the-Art electronics incorporating high-speed motors capable of traversing at a maximum 2000 ipm resulting in faster part production
- Heavy-duty one piece steel frame
- Light-weight aluminum gantry, double rack and pinion drive with dual high-speed digital motors

HVAC 510LSR 3.0kw

Effective Cutting Area	5′ x 10′
Machine Dimensions	144″ x 90" x 35"

HVAC 520LSR 3.0kw

Effective Cutting Area	5′ x 20′
Machine Dimensions	188″ x 90" x 35"

OPTIONS

- Safety Enclosure
- Additional tooling station with plasma cutting
- Download interface from most CAD/CAM software programs
- Office programming system including PC, software, LAN Cable, and hub
- Vicon Coil Feed system

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HVAC 510
PLASMA CUTTING SYSTEM

This robust and adaptable machine provides an ideal solution for effectively processing HVAC duct fittings. Fast, accurate, and efficient, this CNC cutting system greatly reduces material waste and operational costs, resulting in enhanced profitability.

The exclusive dual rack and pinion drives ensure exceptional positioning precision, resulting in unparalleled part quality. Additionally, material stops assist the operator in sheet loading, eliminating errors and reducing material wastage.

FEATURES & BENEFITS

- State-of-the-Art electronics incorporating high-speed motors capable of traversing at a maximum 2000 ipm resulting in faster part production
- Rigid, extruded aluminum gantry results in “low inertia” producing highly accurate parts, sharp corners, and notches
- Quick release magnetic torch holder allows for consumables to be changed quickly and without tools
- State-of-the-Art PC Control with Vicon HVAC Cutting Software enables the programming, loading of new jobs, and editing to be done at the machine while it is operating
- Torch choice flexibility for cutting a variety of materials from gauge to 1/2" plate
- One-piece downdraft table includes built in automatic CNC controlled exhaust fan circuit (only during cutting)

HVAC 510

Effective Cutting Area	5′ x 10′ (standard) 6′ x 10′ (optional)
Material Capacity	28-ga to 1/2″ thick plate
Machine Dimensions	144″ x 90" x 35" (standard) 144" x 102" x 35" (optional)

OPTIONS

- Liner cutting feature
- High-speed cutting feature
- Download interface from most CAD/CAM software programs
- Office programming system including PC, software, LAN Cable, and hub
- Industrial grade PC Cabinet
- Added Value Software Modules

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HVAC 520
PLASMA CUTTING SYSTEM

The VICON HVAC 520 offers all the trusted features and benefits of the standard HVAC 510—plus more! Enhance your efficiency by at least 40% with this advanced system. As the liner cutting process runs on one end, completed fittings are seamlessly removed from the other, maximizing throughput and accelerating job completion.

FEATURES & BENEFITS

- Flexibility to cut two 10' sheets or up to 22'
- State-of-the-Art electronics incorporating high-speed motors capable of traversing at a maximum 2000 ipm resulting in faster part production
- Rigid, extruded aluminum gantry results in “low inertia” producing highly accurate parts, sharp corners, and notches
- Rugged drives are sized for minimizing system wear and tear while providing peak performance
- Non-lubricating gears and bearings
- Quick release magnetic torch holder allows for consumables to be changed quickly and without tools
- State-of-the-Art PC Control with Vicon HVAC Cutting Software enables the programming, loading of new jobs, and editing to be done at the machine while it is operating
- Torch choice flexibility for cutting a variety of materials from gauge to 1/2" plate
- One-piece downdraft table includes built in automatic CNC controlled exhaust fan circuit (only during cutting)

HVAC 520

Effective Cutting Area	5′ x 20′ (standard) 6′ x 20′ (optional)
Material Capacity	28-ga to 1/2″ thick plate
Machine Dimensions	288" x 90" x 35" (standard) 288" x 102" x 35" (optional)

OPTIONS

- Liner cutting feature
- High-speed cutting feature
- Download interface from most CAD/CAM software programs
- Office programming system including PC, software, LAN Cable, and hub
- Industrial grade PC Cabinet
- Added Value Software Modules

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HVAC 510DL
PLASMA & LINER CUTTING SYSTEM

The VICON HVAC 510DL is a cost-effective plasma and liner cutting solution ideal for shops with limited space. This system offers all the standard features of the Vicon HVAC 510, along with the additional capability of liner cutting. You can cut your sheet metal fittings and then add the synthetic surface to cut the liner to fit perfectly. The liner function automatically reduces the size, ensuring an ideal match.

FEATURES & BENEFITS

- Patented system equipped with a synthetic surface. The router assembly holds and cuts duct liner smoothly and efficiently (US Patent No. 6,540,456)
- Rigid, extruded aluminum gantry results in “low inertia” producing highly accurate parts, sharp corners, and notches
- Traversing speeds up to 2000 ipm resulting in faster part production
- Automatic liner downsizing through Vicon HVAC Cutting Software
- Non-lubricating gears and bearings reduce maintenance
- Dual rack and pinion drives provide greater positioning accuracy
- Torch choice flexibility for cutting a variety of materials from gauge to 1/2" plate

OPTIMIZE WORK FLOW! With the patented Bar Code Scanning option, sorting problems are a thing of the past. Coordinating the flow of sheet metal and duct liner through the shop is fast and simple! Sheet metal parts are scanned, and the machine is automatically programmed to produce the corresponding downsized duct liner. Superior true-shape nesting minimizes waste.

OPTIONS

- Patented Bar Coding system nests and sorts the liner to the corresponding metal
- Office programming system including PC, software, LAN Cable, and hub

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HVAC 520DL
PLASMA & LINER CUTTING SYSTEM

The VICON Liner Cutting Systems streamline operations by eliminating the need for labor-intensive manual liner cutting. With VICON's patented, fully automated duct liner cutting process is clean, dry, fast, smokeless, and exceptionally accurate. Additionally, the system significantly reduces liner waste, boosting shop profitability.

The HVAC 520DL offers maximum versatility, allowing users to cut both sheet metal and liner without any setup changes. Use bed one for metal cutting and bed two for liner cutting, or convert the entire 20+ foot cutting area to handle either material. For shops with limited space, the HVAC 520DL is also available as a compact 5′ x 10′ table.

FEATURES & BENEFITS

- Patented system equipped with a synthetic surface. The router assembly holds and cuts duct liner smoothly and efficiently (US Patent No. 6,540,456)
- Rigid, extruded aluminum gantry results in “low inertia” producing highly accurate parts, sharp corners, and notches
- Robust, one-piece steel frame for strength, stability, and easy installation
- Automatic liner cutting and plasma cutting selection from the Vicon controller
- Adjustable, quick change torch holder - no tools are needed to change consumables
- Vicon HVAC Cutting Software produces two geometries, one for metal and one for liner
- Rigid, extruded aluminum gantry results in “low inertia”
- Roller guides on both axes for greater rigidity, stability, and accuracy
- A ski-cup protects the torch tip from touching the metal
- State-of-the-Art PC Controller with Vicon Cutting Software

HVAC 520DL

Effective Cutting Area	5′ x 20′ (standard)
Material Capacity	28-ga to 1/2″ thick plate
Machine Dimensions	288" x 90" x 35" (standard)

OPTIONS

- High-speed cutting feature
- Download interface from most CAD/CAM software programs
- Office programming system including PC, software, LAN Cable, and hub
- Industrial grade PC Cabinet
- Added Value Software Modules

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HVAC 510SL
LINER CUTTING SYSTEM

An economical stand-alone machine, the HVAC 510SL is dedicated to cutting acoustical liner in low and high volume shops. It is the ideal solution for users with existing plasma cutting systems that need additional liner cutting capability.

FEATURES & BENEFITS

- Patented system equipped with a synthetic surface. The router assembly holds and cuts duct liner smoothly and efficiently (US Patent No. 6,540,456)
- Rigid, extruded aluminum gantry results in "low inertia" producing highly accurate parts, sharp corners, and notches
- State-of-the-Art electronics incorporating high-speed motors capable of traversing at a maximum 2000 ipm resulting in faster part production
- Automatic liner downsizing through Vicon HVAC Cutting Software
- Non-lubricating gears and bearings reduce maintenance
- Dual rack and pinion drives provide greater positioning accuracy
- Available in 5' x 10', 6' x 10', 5' x 20' and 6' x 20' table sizes

OPTIMIZE WORK FLOW! With the patented Bar Code Scanning option, sorting problems are a thing of the past. Coordinating the flow of sheet metal and duct liner through the shop is fast and simple! Sheet metal parts are scanned, and the machine is automatically programmed to produce the corresponding downsized duct liner. Superior true-shape nesting minimizes waste.

OPTIONS

- Patented Bar Coding system nests and sorts the liner to the corresponding metal
- Office programming system including PC, software, LAN Cable, and hub

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ViSTREAM 510
LINER CUTTING SYSTEM

The ViStream Waterjet Liner Cutting System combines the fastest, most accurate liner-cutting technology with Vicon's exceptional engineering and software development capabilities to produce huge volumes of liner including but not limited to Armaflex® and K-Flex® insulation.

FEATURES & BENEFITS

- Aluminum gantry contributes to high-speed liner cutting capability with fast and accurate cornering and positioning
- A special porous bed of water jet bricks provides a long-lasting and firm table cutting surface. It also disperses the high-pressure jet stream and allows fast drainage
- Rugged drives are sized for minimizing system wear and tear while providing peak performance
- The cutting head uses a position sensor to maintain proper working height. It lets the operator know when the height is correct by a LED indicator
- A high-pressure gauge located at eye level allows easy pressure monitoring for the table operator
- High speed traversing and cutting in excess of 2,000 ipm
- Our high-pressure line runs overhead from the intensifier and maintains a low-profile design that will fit under an 8’ ceiling
- The table is constructed of a one-piece steel frame and has a tapered water basin with an operator accessible clean out
- Cuts various types of liner including but not limited to Armaflex® and K-Flex® insulation

This table can handle any type of liner and is offered with a standard 5’ x 10’ cutting area. Optional table sizes include: 5’ x 20’, 6' x 10' and 6' x 20'.

- The table is constructed of a one-piece steel frame and has a tapered water basin with an operator accessible clean out
- Dual rack and pinion drives provide uniform and accurate motion in the X and Y axis
- The clock spring design eliminates the need for swivel joints in the high-pressure line. This greatly reduces the amount of maintenance needed for leakage problems. Swivels at the flex points would require more maintenance due to water leakage.
- The cutting head uses a position sensor to maintain proper working height. It lets the operator know when the height is correct by a LED indicator
- All high-pressure lines are supported by double isolation mounts

OPTIONS

- Patented Bar Coding System nests and sorts the liner to the corresponding metal
- Office programming system including PC, software, LAN Cable, and hub

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FABRICATOR 510SS PRECISION PLASMA CUTTING SYSTEM

The Vicon Fabricator SS is a rugged and flexible plasma cutting machine. The solution for the optimal processing of fabrication or job shop applications. With its swift, precise, and clean CNC cutting capabilities, this system significantly minimizes waste and operational expenses, leading to greater profitability.

Machine Electronics and Motion Controller
Solid-state controls and digital drives ensure fast, precise cutting. Proximity sensors protect the drive train, while CAT-5 cables enable reliable communication between the PC controller and servo drives.

Precision Cutting Torches
Vicon experts guide you in selecting the right torch for your material, balancing cut quality, costs, and system needs. Options range from manual gas to automatic gas consoles for light to heavy materials.

Electronic Torch Height Control & Collision Protection
Optional electronic torch height control maintains optimal cutting height for improved cut quality. A collision protection device safeguards the torch from damage, reducing downtime and maintenance costs.

Vicon Fabrication Cutting Software
Vicon fabrication cutting software offers a user-friendly interface with features like shape libraries, Super Nest, DXF file import, and CAD sketch tools for maximum efficiency.

FEATURES & BENEFITS

- Standard 5' x 10' cutting areas with options for up to 10' x 40'
- Highly affordable for high quality, clean edge applications
- Torch choice flexibility for cutting various metals from gauge to 1-1/4" plate
- Carriage capacity - two tooling stations to accommodate various cutting applications
- High-speed dual drives enable traversing speeds of more than 2,000 ipm
- Precision linear guiding on the X and Y axis enables superior clean edge quality through the use of a precision plasma power source
- X- axis consists of one linear guide with two rigid recirculating ball bearing guide cars. Y-axis linear guiding consists of four rigid hardened Vee roller guides
- State-of-the-Art proximity switches and customized table stops allow for easy diagnostics, trouble free operation, and optimum performance for the life of the machine
- PC control with Vicon Fabrication Cutting Software
- On screen status provides efficient control and easy diagnostics
- Customized table stops allow for custom fixturing of parts

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FABRICATOR 510HD PRECISION PLASMA CUTTING SYSTEM

The Vicon Fabricator HD is a rugged and flexible plasma cutting machine. The solution for the optimal processing of fabrication or job shop applications. With its swift, precise, and clean CNC cutting capabilities, this system significantly minimizes waste and operational expenses, leading to greater profitability.

Machine Electronics and Motion Controller
Solid-state controls and digital drives ensure fast, precise cutting. Proximity sensors protect the drive train, while CAT-5 cables enable reliable communication between the PC controller and servo drives.

Precision Cutting Torches
Vicon experts guide you in selecting the right torch for your material, balancing cut quality, costs, and system needs. Options range from manual gas to automatic gas consoles for light to heavy materials.

Electronic Torch Height Control & Collision Protection
Optional electronic torch height control maintains optimal cutting height for improved cut quality. A collision protection device safeguards the torch from damage, reducing downtime and maintenance costs.

Vicon Fabrication Cutting Software
Vicon fabrication cutting software offers a user-friendly interface with features like shape libraries, Super Nest, DXF file import, and CAD sketch tools for maximum efficiency.

FEATURES & BENEFITS

- Standard 5' x 10' cutting areas with options for up to 10' x 40'
- Heavy-duty one piece frame requires no assembly
- Torch choice flexibility for cutting various metals from gauge to 1-1/4" plate
- Carriage capacity - two tooling stations to accommodate various cutting applications
- High-speed dual drives enable traversing speeds of more than 2,000 ipm
- Rigid, dual rack and pinion drives with digital motors produce precise movement of the “solid as a rock” gantry resulting in sharp corners and accurate parts
- State-of-the-Art proximity switches and customized table stops allow for easy diagnostics, trouble free operation, and optimum performance for the life of the machine
- Sharp, crisp gantry motion coupled with a rigid; heavy-duty table dependably maintains the tightest tolerances
- PC control with Vicon Fabrication Cutting Software
- On screen status provides efficient control and easy diagnostics
- Customized table stops allow for custom fixturing of parts

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ELITE 510 PRECISION PLASMA CUTTING SYSTEM

The Vicon Elite is a highly rigid, precise, and versatile plasma cutting system. Its dual precision worm gear drives, paired with digital motors, enable accurate movement of the all-aluminum tubular gantry. This combination, along with its sharp, crisp motion, results in the most precise parts achievable by a plasma system. The outcome is a high-quality parts with exceptional edge quality. The gantry is compatible with plasma and oxy torches, scribing tools, and drill heads. It also features material stops, cleanout doors, and a machine status panel, ensuring smooth operation and optimal performance for years to come.

Machine Electronics and Motion Controller
Solid-state controls and digital drives ensure fast, precise cutting. Proximity sensors protect the drive train, while CAT-5 cables enable reliable communication between the PC controller and servo drives.

Precision Cutting Torches
Vicon experts guide you in selecting the right torch for your material, balancing cut quality, costs, and system needs. Options range from manual gas to automatic gas consoles for light to heavy materials.

Electronic Torch Height Control & Collision Protection
The Vicon Elite ensures precise cutting with electronic height control and protects your torch with a collision safety device.

Vicon Fabrication Cutting Software
Vicon fabrication cutting software offers a user-friendly interface with features like shape libraries, Super Nest, DXF file import, and CAD sketch tools for maximum efficiency.

FEATURES & BENEFITS

- Standard 5' x 10' cutting areas with options for up to 10' x 40'
- Sharp, crisp gantry motion coupled with a rigid; heavy-duty table dependably maintains the tightest tolerances
- High-tech, precision dual linear guiding and worm gear drives with digital motors produce precise movement of the machined “solid as a rock” gantry resulting in precise cuts and superior round holes.
- State-of-the-Art proximity switches and customized table stops allow for easy diagnostics, trouble free operation, and optimum performance for the life of the machine
- High-speed dual drives enable traversing speeds of more than 2,000 ipm
- PC control with Vicon Fabrication Cutting Software
- On screen status provides efficient control and easy diagnostics

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MONARCH PRECISION PLASMA CUTTING SYSTEM

The Vicon Monarch CNC plasma cutting machine is a robust, accurate, and versatile system designed for high-end precision cutting. Its dual precision worm gear drives with digital motors ensure precise movement of the aluminum tubular gantry, delivering superior edge quality and accurate parts. The machine supports multiple stations, including plasma torches, oxy torches, scribing tools, and drill heads, along with features like material stops, clean-out panels, and a status panel for optimal performance and reliability. With its sturdy I-beam construction, the Monarch excels in cutting sheet metal, thick plate, structural steel, I-beams, angle iron, channel, tubing, and fixturing, making it a leader in heavy-duty precision cutting solutions.

Machine Electronics and Motion Controller
Solid-state controls and digital drives ensure fast, precise cutting. Proximity sensors protect the drive train, while CAT-5 cables enable reliable communication between the PC controller and servo drives.

Precision Cutting Torches
Vicon experts guide you in selecting the right torch for your material, balancing cut quality, costs, and system needs. Options range from manual gas to automatic gas consoles for light to heavy materials.

Electronic Torch Height Control & Collision Protection
The Vicon Monarch ensures precise cutting with your choice of electronic height control and protects your torch with a collision safety device.

Automatic Controlled Multiple Zone Exhaust System
The automatic controlled multiple zone exhaust system effectively removes plasma fumes from CNC plasma machines by using linear exhaust plenums. It features machine-controlled exhaust damper valves that open during cutting, minimizing the air volume drawn. This zoning system enables the use of a smaller dust collection unit when integrated with a dust collection system.

Vicon Fabrication Cutting Software
Vicon fabrication cutting software offers a user-friendly interface with features like shape libraries, Super Nest, DXF file import, and CAD sketch tools for maximum efficiency.

FEATURES & BENEFITS

- Precision linear guiding on the X and Y axis enables superior clean edge quality through the use of a precision plasma power source
- Controlled exhaust zone minimize exhaust requirements
- Highly affordable for high quality, clean edge applications
- Heavy-duty one piece frame requires no assembly, reducing installation time unlike rail style machines
- Rigid, dual rack and pinion drives with digital motors produce precise movement of the “solid as a rock” gantry resulting in sharp corners and accurate parts
- Sharp, crisp gantry motion coupled with a rigid; heavy-duty table dependably maintains the tightest tolerances
- High-speed dual drives enable traversing speeds of more than 2,000 ipm
- State-of-the-Art proximity switches and customized table stops allow for easy diagnostics, trouble free operation, and optimum performance for the life of the machine

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WHERE SUPERIOR DUCT WORK BEGINS™

At Vicon, we are dedicated to revolutionizing the ductwork industry through precision, innovation, and reliability. As a trusted partner, we provide state-of-the-art manufacturing solutions that enhance efficiency, reduce costs, and elevate performance. Our commitment to excellence ensures that every product we deliver meets the highest industry standards, empowering our customers to purchase with confidence.

Proudly designed, engineered, and manufactured in the United States, Vicon machines embody superior craftsmanship and cutting-edge technology.

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VICON

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