

HB-800P BASE MACHINE NO TOOLING

HB-800P-20

HB-800P-18

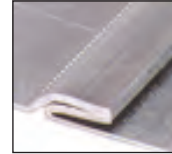
HB-800P-16

The Pittsburgh Lock revolutionized the HVAC Industry in the late 1930's and is still used today for its strength and ease in assembling ductwork.

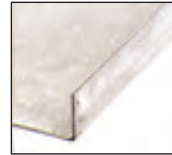
The HB-800 Series Pittsburgh rollforming machines have 8 forming stations with 2 forming positions. One inboard forming position forms the Pittsburgh lock and one auxiliary or outboard forming position has the capability of forming 1 of 3 different profiles.



Model Details



Pittsburgh Lock Profile



Optional Right-Angle Flange roll tooling available

Model Details



Outboard roll profile



Inboard roll profile

HB-800B-24

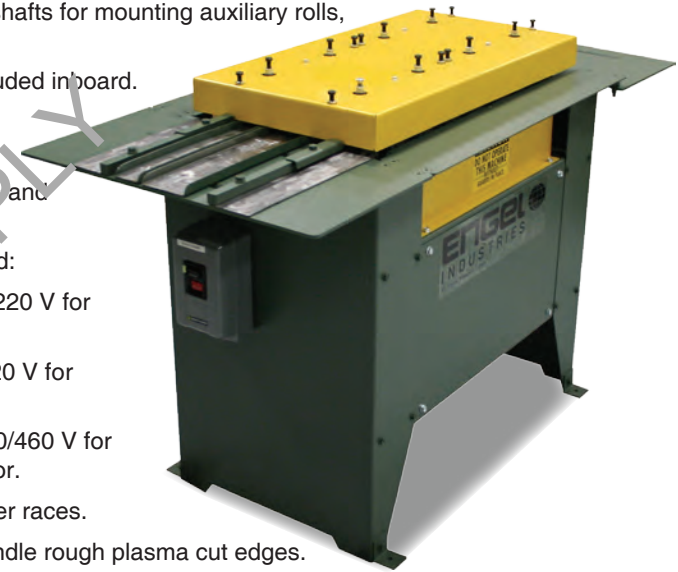
HB-800B-20

The Button Punch Snap Lock Machines form a two piece seam that greatly simplifies ductwork assembly. The male seam is a button, the female seam is a lock and the two snap together for a flush corner. These machines are available in eight forming station machines. Not only do these locks assemble twice as fast as traditional methods, but because the two pieces nest, they are easier to transport too.

825 ROLLFORMER

We provide you the most innovative design to bring your shop an industrial grade rollformer that is built to last longer, perform quieter, and deliver the highest levels of quality and value.

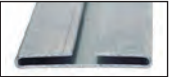
- Standard with extended roll shafts for mounting auxiliary rolls, one side outboard only.
- "S" & Drive Cleat roll set included inboard.
- No opening rolls required.
- Eight (8) stations, 2" vertical centers, 5" horizontal centers and polished 1" spindles.
- Three motor types are offered:
 - Three (3) HP single phase 220 V for small shops.
 - Five (5) HP single phase 220 V for medium shops.
 - Five (5) HP three phase 220/460 V for large shops - standard motor.
- Extra large bearings with inner races.
- Hardened steel guides to handle rough plasma cut edges.
- Inboard tooling on HB-825 for "S" and Drive.
- Optional Outboard tooling is available on all HB-800 Series Roll Formers.
- Four (4) sets of tooling can be installed on the Model HB-825.
- Optional Slitter Attachment on the HB-825 cuts scrap metal to the correct width for producing "S" and Drive cleats.



Model Details



"S" Cleat inboard profile



Drive cleat roll profile



Optional slitter attachment available



Optional slitter attachment available



Scan this QR Code for more information on the 800 Series

MODEL	CAPACITY	DEPTH OF POCKET/SIZE	OTHER	SPEED	MOTOR/VOLTAGE	DIMENSIONS/WEIGHT
HB-800P-20	20-26 gauge	5/16" Uses approximately 1" of material	Width of hammer-over edge adjustable up to 3/8". Extended shafts for mounting auxiliary rolls.	25 feet per minute	115/230 volts, 60 cycle, single phase, A.C. 1,800 RPM. Other motors available upon request	Length - 48" Width - 24" Height - 42" Passline - 34" Weight - 450 lbs.
HB-800P-18	18-22 gauge	1/2" Uses approximately 1-3/8" of material	Width of hammer-over edge adjustable up to 3/8". Extended shafts for mounting auxiliary rolls.	40 - 45 feet per minute	230/460 volts, 60 cycle, 3 phase, A.C. 1,800 RPM. Other motors available upon request	Length - 58.5" Width - 24" Height - 41" Passline - 34" Weight - 750 lbs.
HB-800P-16	16-20 gauge	1/2" Uses approximately 1-3/8" of material	Width of hammer-over edge adjustable up to 3/8". Extended shafts for mounting auxiliary rolls.	40 - 45 feet per minute	230/460 volts, 60 cycle, 3phase, A.C. 3,600 RPM. Other motors available upon request	Length - 58.5" Width - 24" Height - 41" Passline - 34" Weight - 750 lbs.
HB-800B-24	24-30 gauge	Uses approximately 1-3/4" material	Special speeds available upon request	60 - 65 feet per minute	3 H.P. 230/460 volts, 60 cycle, 3phase, A.C. 3,600 RPM. Other motors available upon request.	Length - 58.5" Width - 24" Height - 41" Passline - 34" Weight - 550 lbs.
HB-800B-20	20-26 gauge	Uses approximately 1-3/4" material	Special speeds available upon request	60 - 65 feet per minute	3 H.P. 230/460 volts, 60 cycle, 3phase, A.C. 3,600 RPM. Other motors available upon request.	Length - 58.5" Width - 24" Height - 41" Passline - 34" Weight - 550 lbs.
825 ROLLFORMER	20-26 gauge	1-1/16" for Slip and 1-1/8" for Drive	Optional slitter attachment available	90 feet per minute	5 H.P. 230/460 volts, 60 cycle, 3phase, A.C. 3,600 RPM. Other motors available upon request.	Length - 48" Width - 24" Height - 42" Passline - 34" Weight - 850 lbs.

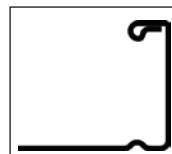
HB-1640 TDF® MACHINE

The HB-1640 machine uses 16 roll-forming stations. There are no adjustments when going from 26 gauge to 18 gauge material; competition requires adjustments. The “short parts feeder”, 6" length minimum, requires no manual adjustment and removal of machine guard when running short parts; competition does. The HB-1640 includes the Snap-Flange feature.

We use high yield and tensile strength shafts for our tooling, turning in precision, factory manufactured, hardened inner races; competition uses hardened shafts - which are brittle and breakage is common. All of our gears are large 6 pitch heavy duty style. They run very quietly well below OSHA noise limits. All of our bearings are “off the shelf” and available from local supply houses. Our machine is driven by an oil filled, sealed, gear reducer, direct coupled to the main motor and is very quiet. Competition utilizes a “V” belt drive between the main motor and their pinion gear. This drive is noisy and exposed to damage by metal chips. Our roll shafts are secured by high quality, large thrust washers. Competition uses snap rings that are less secure and an eye hazard to maintenance workers.



Model Details



TDF®-V16 MACHINE

16 Station TDF® Rollform Machine Includes Patented TDF® Rolls.

This is the only transverse duct connector machine on the market certified to comply with SMACNA Duct Construction Standard (DCS) T-25b based on actual laboratory tests across the full range of water gauges.

Features and Benefits:

- Unitized steel construction.
- High yield and tensile strength shafts and “off the shelf” ball bearings.
- Heavy duty gears are Mod 4 (6 pitch) heavy duty style.
- Extended roll shafts for mounting auxiliary rolls, one side outboard only.
- Optional tooling sets available for outboard mounting.
- All steel forming head, hardened steel infeed guide and hardened steel forming rolls mounted on turned and ground spindles.
- No adjustments necessary when going from 26ga to 18ga material.
- Includes Snap Flange Feature.
- Comes standard with short parts feeder for 6 inch minimum lengths

Model Details



MODEL	CAPACITY	DEPTH OF POCKET/SIZE	OTHER	SPEED	MOTOR/VOLTAGE	DIMENSIONS/WEIGHT
HB-1640 TDF® MACHINE	16-26 gauge mild steel	1-11/16"	Includes Snap Flange Feature. One set of Inboard Tooling available.	75 feet per minute	208, 230-460/3/60 VAC, 5 H.P., 1,800 RPM.	Length - 127" Width - 27.5" Height - 43" Passline - 36" Weight - 3,000 lbs.
TDF®-V16	18-26 gauge mild steel	1-11/16"	Optional tooling sets available for outboard mounting.	75 feet per minute	208, 230-460/3/60 VAC, 7-1/2 H.P., 1,800 RPM.	Length - 134" Width - 28" Height - 45" Passline - 38.5" Weight - 3,000 lbs.

VALUEPLUS2® FRONT END

The ValuePLUS2® Front End effortlessly delivers the power and precision that today's HVAC companies demand. Innovative ideas are all over this affordable workhorse — ideas that will save you time and money.

Features and Benefits:

- Expandable to full line
- In-line footprint fits well in many factory layouts – saving valuable space.
- One man operation. Run in automatic or on demand mode using a convenient foot switch.
- Belt drive or hydraulic drive Uncoilers from 12,000 lb or 20,000 lb capacity available.
- From 2 to 10 stations available.
- Multi-Grid Feed systems available for easy threading.
- Quick coil changeover. Extra Coil Drum Assemblies available for fast changeover of even more coil inventory.
- Straighten, Bead, Notch and Shear (all standard) and Cleat Edge Former or Tie Rod Punching (both optional) all on one compact frame.
- No Infeed guide assembly required – ValuePLUS2® has built in entrance guides.
- Notcher and CEF heads have hand wheel adjustability.
- Electric Servo replaces hydraulic servo provided for faster, more accurate positioning.



Model Details



VALUEPLUS2® FULL COILINE THE "SPACE SAVER" FULL LINE AND OPTIONS

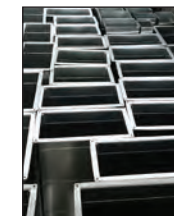
Produces 16" x 16" wrap in 60 seconds!

From start to finish the NEW ValuePlus2® Full Coiline has been completely re-engineered to effortlessly deliver the power and precision that today's HVAC companies demand. Innovative ideas are all over this affordable workhorse — ideas that will save you time and money.

Features and Benefits:

- Expandable to full line
- In line footprint fits well in many factory layouts – saving valuable space.
- One man operation. Run in automatic or on demand mode using a convenient foot switch.
- Belt drive or hydraulic drive Uncoilers from 12,000 lb or 20,000 lb capacity available.
- From 2 to 10 stations available.
- Multi-Grid Feed systems available for easy threading.
- Quick coil changeover. Extra Coil Drum Assemblies available for fast changeover of even more coil inventory.
- Straighten, Bead, Notch and Shear (all standard) and Cleat Edge Former or Tie Rod Punching (both optional) all on one compact frame.
- Patent Pending positioning and retention conveyor assures superior seam profile from the Pittsburgh rollformer.
- Notching dies include clearance holes for use with EZ Connector® system.
- Rollformer comes standard with 1/2" Pittsburgh and Snaplock rolls.
- TDC® or TDF® Rollformer available.
- Lin-O-Matic/ Pinspotter available.
- Wrap Brake produces 4 sided, "L", "U" and full wrap duct.
- No scrap between jobs run from the same coil.
- Accepts downloaded jobs from many popular software applications.
- User friendly touch screen control.
- Low maintenance.
- Modular construction. Any option can be added later. Expand your capabilities as your business grows.

Model Details



ENGEL® COMPACT II STARTER COILINE

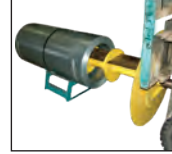
The Compact II Starter Coiline combines equal parts evolution and innovation. We have developed this full coiline specifically for the HVAC industry that is built to last longer, produce more and deliver the highest levels of quality and value.

The Engel® Compact II Starter Coiline has:

- A Direct Hydraulic Drive standard on every station with Hydraulic hold downs and low friction pockets. Engel® eliminates labor intensive and expensive wear items.
- Unitized structural steel frame with a low profile design & stress relieved welded construction for low maintenance and long life.
- Industrial, solid-state PLC touch screen operating system controller. Remote self diagnostics. Storage recall.
- Expandable to full line.



Model Details



ENGEL® COMPACT II FULL COILINE

The Engel® Compact II Full Coiline has:

- A Direct Hydraulic Drive standard on every station with Hydraulic hold downs and low friction pockets. Engel® eliminates labor intensive and expensive wear items.
- Unitized structural steel frame with a low profile design & stress relieved welded construction for low maintenance and long life.
- Fast, accurate squaring 3-table transfer system with auto mode for continuous batch runs.
- A vertically rafted female Pittsburgh/Snaplock rollformer with computer controlled quick-change utilizing photo-eye sensing.
- Industry proven rollformer with positive-push transfer into cleat edge former and arms that index part via chain to TLF® rollformer.
- SMACNA tested and approved T-25B four bolt connector rollforming system with powered head movement and photo-eye stops.
- Automatic insulation applicator with no need for manual adjustments on varying material thicknesses, plus lead & trail placement of insulation is made from the service screen.
- Patented Spring-Blade cutting system is standard for cutting both fiberglass and elastomeric foam insulation.
- Consistent and accurate welded frame front-gauging hydraulic wrap brake.
- Industrial, solid-state PLC touch screen operating system controller. Remote self diagnostics. Storage recall.

AVAILABLE OPTIONS: PLC controlled Tie-Rod Hole Punching / Cold Sealant System / Grease Duct Companion Flange / Coiline Download

Model Details



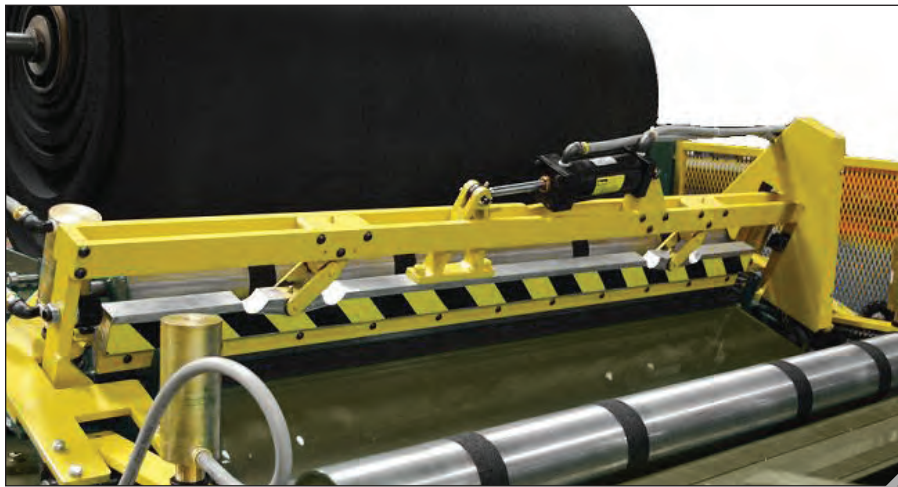
SWING-BLADE™ RETRO-FIT SYSTEM INSULATION CUTTING SYSTEM MODEL IMS-5K

To complete the LINEOMATIC, the new patented SWING BLADE™ CUT-OFF can be used to cut both the conformable non-fibrous foam insulation and standard fiberglass insulation.

This new cut-off is a knife design that slices the insulation rather than the old chop method. The new cut-off also uses a special harden waved cutting edge for slicing the insulation. It also uses a patented narrow slot in the cutting stick for the knife to pass thru without touching the cutting stick. This increases the life of the knife.

When switching from fiberglass insulation to conformable non-fibrous foam insulation a new knife blade may be required. The fiberglass insulation is very abrasive and will take the fine edge off the knife blade after a period of time. The knife blade will continue to cut and fracture the fiberglass because of the narrow slot in which the knife blade passes through. When switching from conformable non-fibrous foam insulation a new knife blade is not required. Once programmed, the LINEOMATIC will automatically measure the incoming part and cut off the insulation.

ARMA-FLEX™ open-cell forms into corners of duct, cuts to non-stretched lengths, able to be pinned and glued "in-line" and "on-the-fly." Do not confuse with AP-Armalex closed-cell usable for fittings.



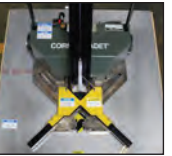
Model Details



CORNER CADET® [PORTABLE]

Fast easy corner insertion and crimping in ducts and fittings. Although the Corner Cadet® is portable and light in weight, it's heavy on performance, automatically inserting and crimping specially designed TDC®/F® corners in seconds. In addition to handling virtually every style of duct, the Corner Cadet® also works with multiple types of fittings. Automatic duct squaring. For ducts and fittings from 18 ga. , 1.2 mm to 26 ga. and .6 mm galvanized mild steel.

Model Details



MODEL	CAPACITY	DEPTH OF POCKET/SIZE	OTHER	SPEED	MOTOR/VOLTAGE	DIMENSIONS/WEIGHT
SWING-BLADE™	1/2" - 2" Fiberglass Insulation 1/2" to 2-1/2" Elastomeric Foam	48" and 60" width	Minimum part length 22"	25-50 feet per minute	N/A	Length - 84" Width - 71" Height - 60" Weight - 1,850 lbs.
CORNER CADET®	18-26 gauge	N/A	N/A	N/A	110 volt, single phase, 60 cycle Air = 90 PSI	Length - 34.5" Width - 32" Height - 49.5" (top of handle) Platform - 48.5" x 48.5" Weight - 450 lbs.