

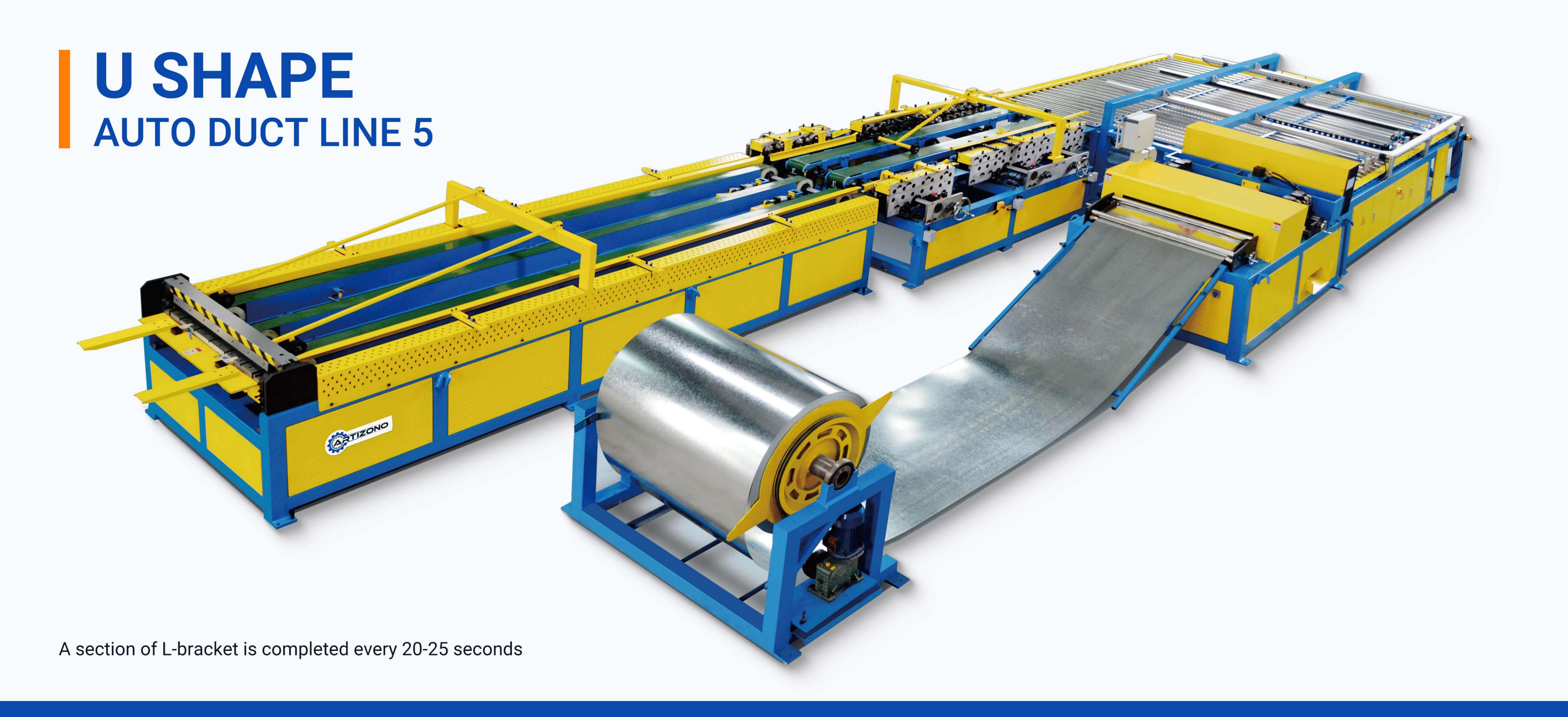
# HVAC DUCT MACHINE



CONSTANTLY CHALLENGING
OURSELVES TO DELIVER MORE
TO OUR CLIENTS!

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# CATALOG



#### Function

Our facility specializes in the formation of shared-plate flanges, angle steel flanges, or "C" channel flanges, with a daily processing capacity of 1,000 to 2,500 square meters. The ductwork is fabricated automatically by the production line upon input of the dimensions, which includes processes such as uncoiling, leveling, bead pressing, corner punching, cutting, joint biting, as well as forming shared-plate flanges, angle steel flanges, or "C" channel flanges, and shaping the duct into a squared configuration.



#### Performance Features

- The U-shaped design has a small footprint and is easy to assemble, making it suitable for small and medium-sized workshops.
- The addition of lubrication holes at both ends of the drive shaft significantly enhances bearing life.
- The use of electro-bending functionality effectively prevents scrap generation and ensures bending accuracy.
- Ultra-high efficiency and labor-saving, each L-bracket takes only 20-25 seconds, doubling the efficiency compared to linear models.
- The fixed clamp eliminates the need to move back and forth, increasing work efficiency.
- All rollers are made from bearing steel, increasing their lifespan by more than five times.
- The CNC system features a material-saving mode, resulting in only a single piece of scrap less than 20mm per coil.
- Equipped with production memory, it includes the ability to query production orders.

# U SHAPE AUTO DUCT LINE 5



#### Main Import Configuration

- A section of L-bracket is completed every 20-25 seconds
- Japan Omron encoder
- Taiwan Hiwin linear guideways
- Schneider electrical system



#### Basic Configuration

- Two electric coil holders, with four material trays each (5-7 tons per coil)
- One support frame
- One main machine (dual-line host)
- Two stainless steel roller conveyors
- One fixed combination crimping machine
- One dual-machine linked common plate flange machine
- One dual-machine linked angle flange machine
- One servo feeding platform
- One hydraulic folding machine
- One computer control system set

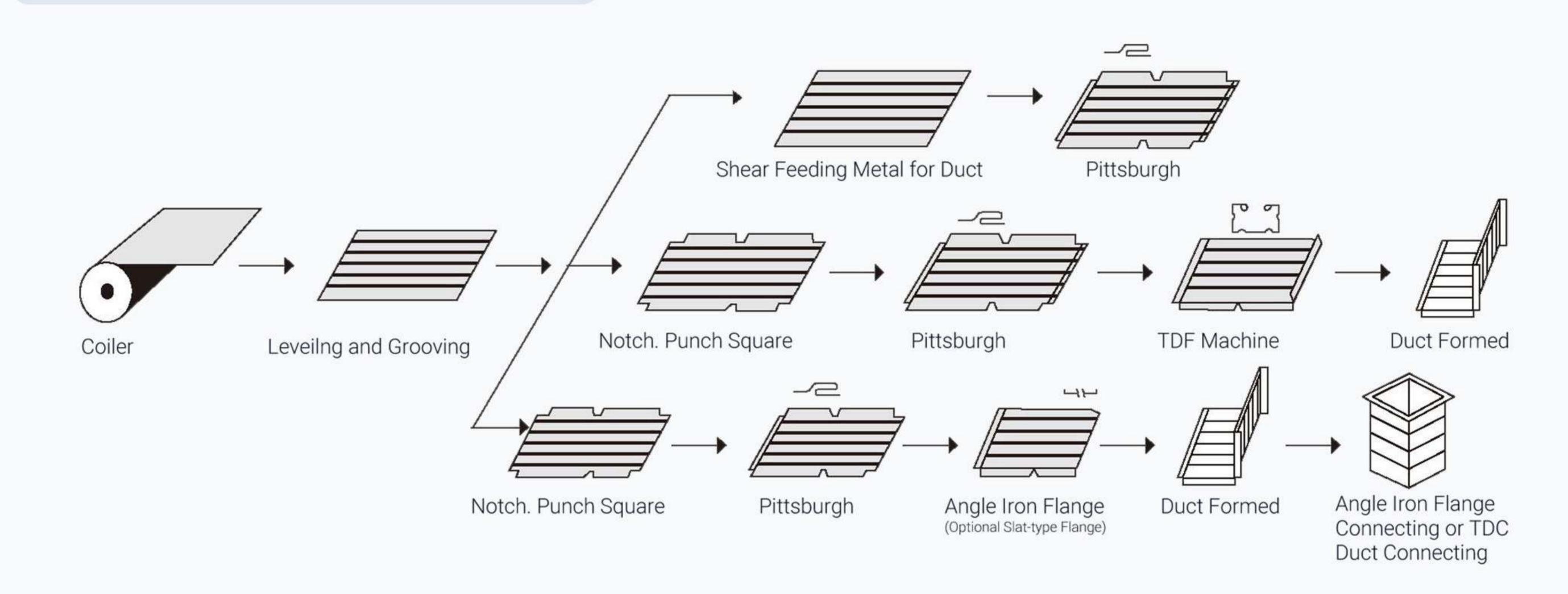




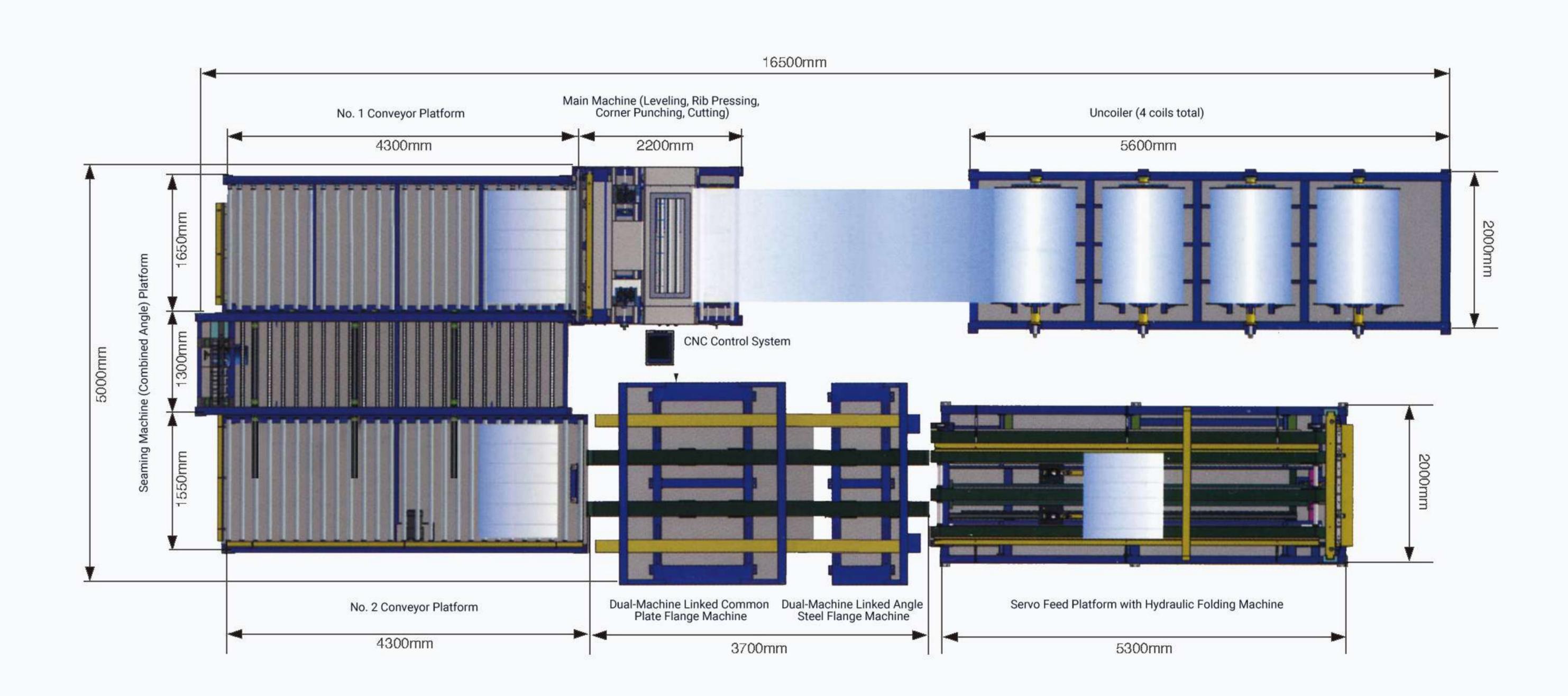




#### Schematic of Operation



#### Functional Flowchart



Mo	odel	Sheet Thicknes	Max Width	Max Working Speed	Coiler Max Weight	Dimensions (mm)			Power	Weight
IVIC	Juci	(mm)	(mm)	(m/min)	(T)	L	W	Н	(kw)	(T)
SADL-5	5U-1250	0.5-1.2	1250	15	7	16500	5000	1500	30	13
SADL-5	5U-1500	0.5-1.2	1500	15	7	16500	5400	1500	30	14



#### Performance Features

- The linear structure enables a smooth production flow with minimal space requirements.
- All the rollers are made of bearing steel, which increases their service life by more than fivefold.
- The CNC system features a material-saving mode, resulting in less than 20mm of scrap per roll.
- Lubrication holes added to both ends of the drive shaft significantly enhance bearing life.
- The implementation of an electric bending function effectively prevents scrap generation and ensures bending precision.
- The operation requires at least one person, with a shift output ranging from 600 to 2000 units.
- Equipped with production memory, the machine features an order retrieval function.

#### Main Import Configuration

- Cylinder imported from Germany Festo
- Beijing Huade plus hydraulic system from Taiwan
- Japan Omron encoder
- Taiwan Hiwin linear guideways
- Taiwan Delta CNC system

#### Basic Configuration

- Two electric coil holders, with four material trays each (5-7 tons per coil)
- One support frame
- One main machine (dual-line host)
- One robotic arm for material gripping, positioning, and conveying platform
- One displacement-type combined punching machine
- One dual-machine linked common plate flange machine
- One dual-machine linked angle flange machine
- One servo feeding platform
- One hydraulic folding machine
- One computer control system set



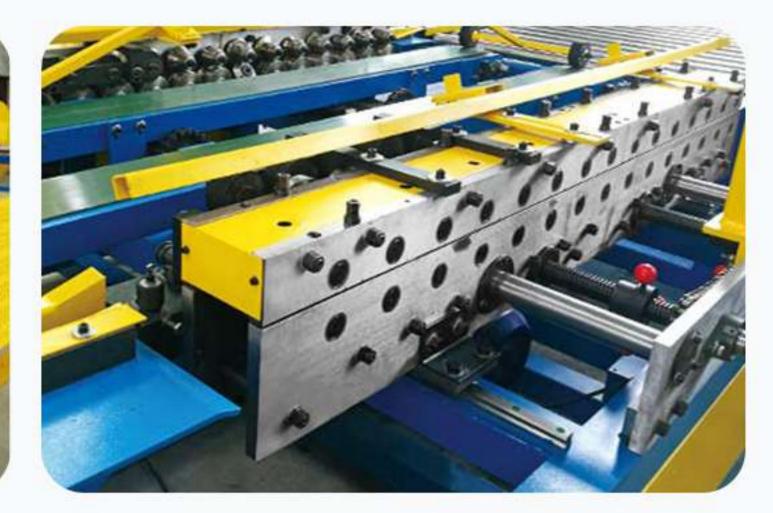
#### Function

Our facility specializes in the forming of inline flanges, angle flanges, or "C" channel flanges, boasting a daily processing capacity of 600-2000 square meters. The ductwork production line is fully automated, requiring only the input of dimensions to complete uncoiling, leveling, bead pressing, corner punching, shearing, seam closing, and the forming of inline flanges, angle flanges, or "C" channel flanges, as well as the final shaping process.

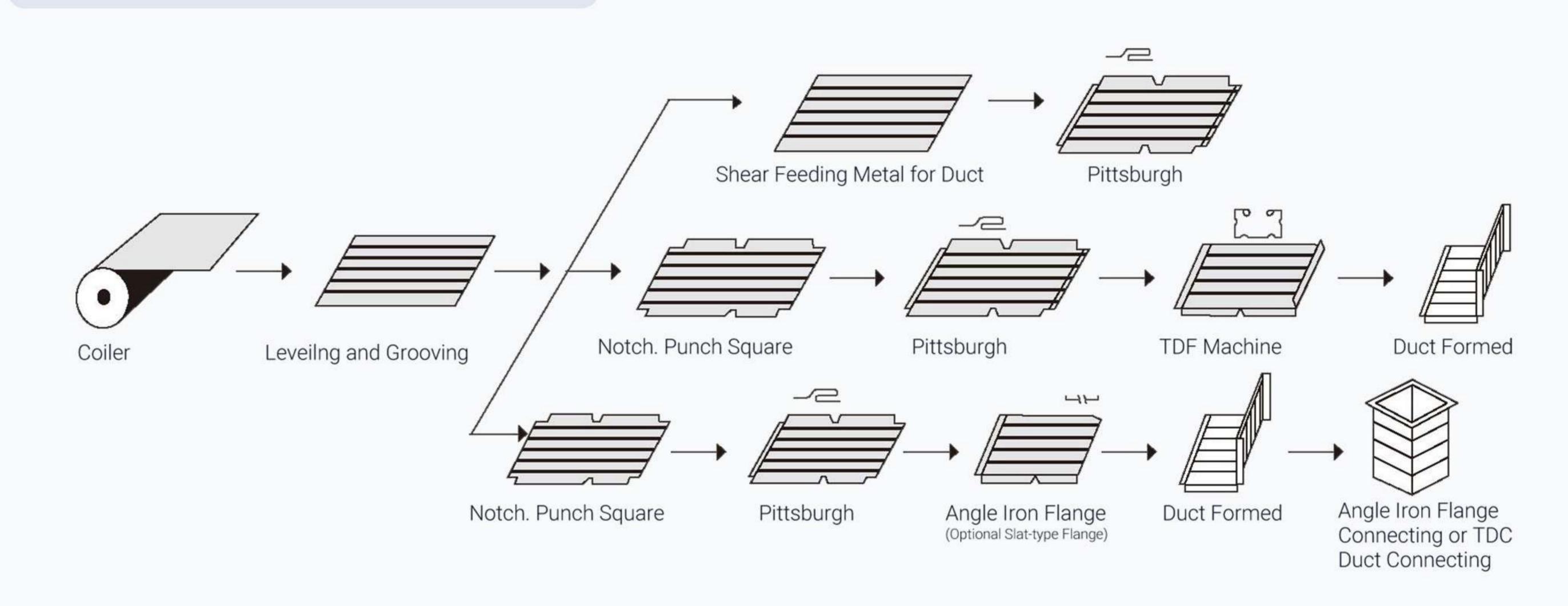




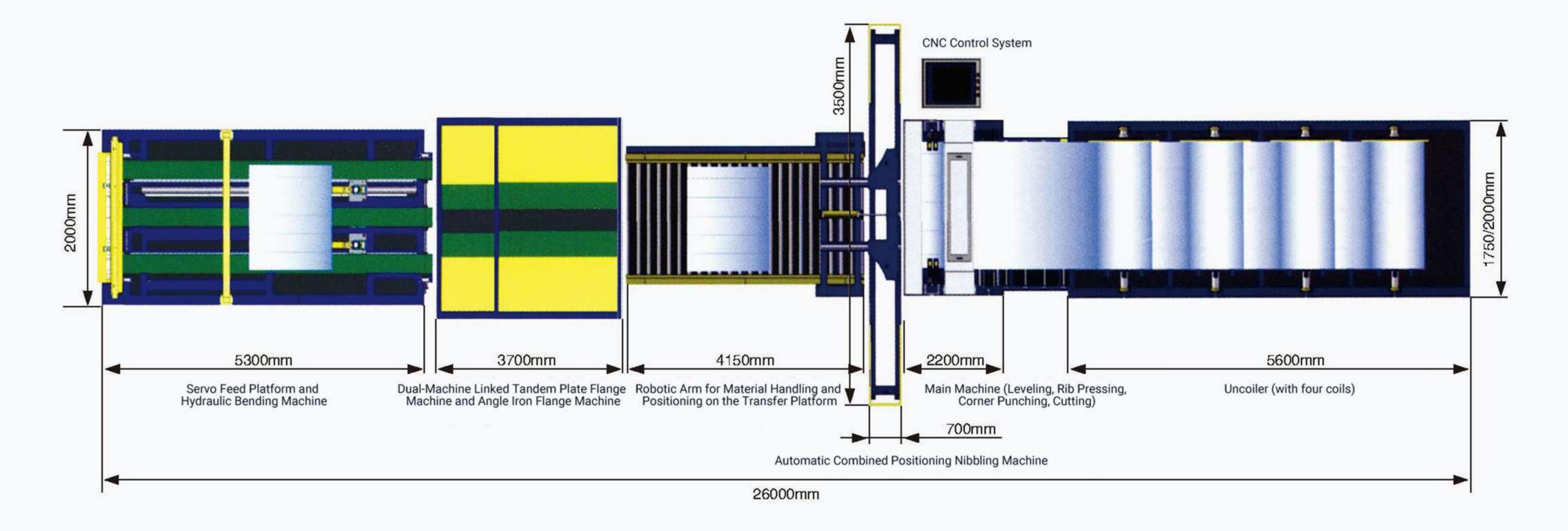




#### Schematic of Operation



#### Functional Flowchart



Model	Sheet Thicknes	Max Width	Max Working Speed	Coiler Max Weight	x Weight Dimensions (mm)		Power	Weight	
IVIOGCI	(mm)	(mm)	(m/min)	(T)	L	W	Н	(Kw)	(T)
SADL-5-1250	0.5-1.2	1250	15	7	26000	3500	1500	30	12
SADL-5-1500	0.5-1.2	1500	15	7	26000	4000	1500	30	13



#### Function

The production line is designed primarily for uncoiling, leveling, bead pressing, corner notching, and processing single or double lap joints as well as dual-angle steel flanges or shared-plate flanges. It occupies a small footprint, offers convenient modular assembly, and facilitates easy on-site construction, earning it the nickname "mini five-line."









#### Performance Features

- All rollers are made of bearing steel, which increases their lifespan by more than five times.
- Lubrication ports have been added to both ends of the drive shaft, significantly enhancing bearing life.
- The CNC system features a material-saving mode that automatically retracts the material after each task.
- It includes a production memory function, allowing for the retrieval of production order information.

#### Main Import Configuration

- Cylinder imported from Germany Festo
- Beijing Huade or hydraulic system from Taiwan
- Japan Omron encoder
- Taiwan Hiwin linear guideways
- Taiwan Delta CNC system

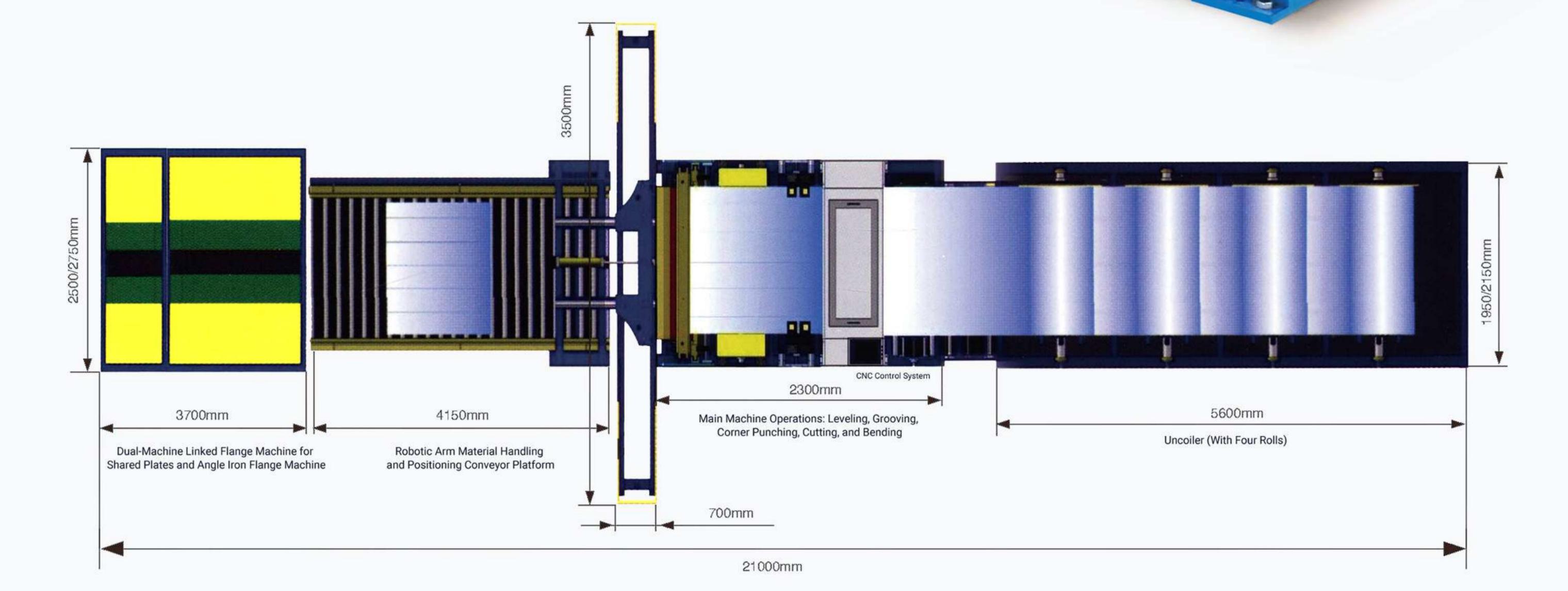
#### Super Auto Duct Line 4

- Dual machine shared plate flange
- Dual machine angle steel flange
- Robotic arm gripper material positioning and transfer platform
- Displacement bite joint (combination joint)
- Three-line mainframe + Dual material racks

#### Basic Configuration

- Two electric coil holders, with four material trays each (5-7 tons per coil)
- One support frame
- One main machine (dual-line host)
- One robotic arm for material gripping, positioning, and conveying platform
- One displacement-type combined punching machine
- One dual-machine linked common plate flange machine
- One dual-machine linked angle flange machine
- One computer control system set

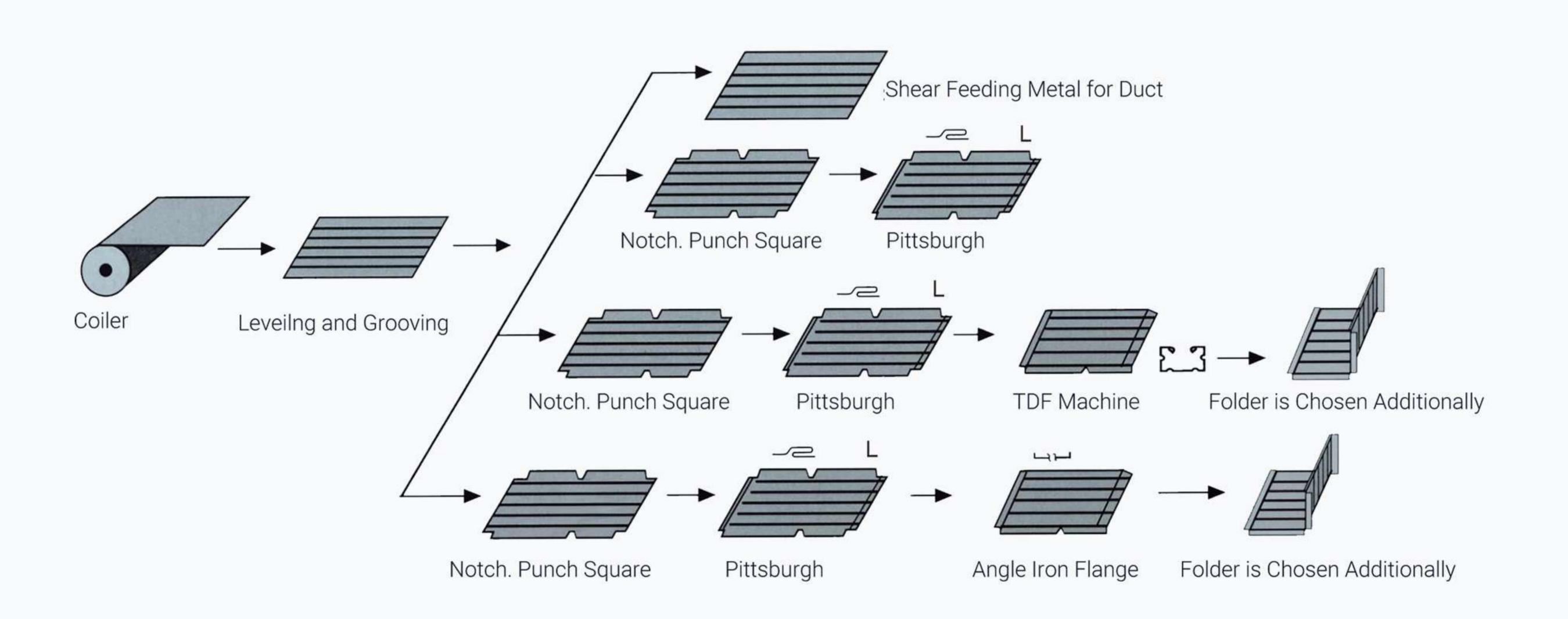
# Functional Flowchart



#### Product Advantages

- Our latest design effectively resolves issues of material jamming and frequent maintenance commonly associated with guillotine nibblers.
- Utilizing a three-line bending function, we can precisely fold small edges, ensuring stable processing of 0.5-1.2mm galvanized sheets, thereby reducing waste.

#### Schematic of Operation



Model	Sheet Thicknes	Max Width	Max Working Speed			Dimensions (mm)			Weight
Wiodei	(mm)	(mm)	(m/min)	(T)	L	W	Н	(Kw)	(T)
SADL-4-1250	0.5-1.2	1250	15	7	21000	3500	1500	25	9
SADL-4-1500	0.5-1.2	1500	15	7	21000	4000	1500	25	10



#### Function

The production line primarily executes uncoiling, leveling, bead pressing, corner punching, and processing single or double joints. It features a compact footprint, convenient assembly, and easy on-site construction, with the potential for upgrading to a Super Four Line operation.

#### Product Advantages

- Featuring the latest design, this slitting and shearing machine effectively resolves issues with frequent jamming and high maintenance.
- Utilizing the three-point bending function, the machine accurately folds small edges and can reliably process 0.5-1.2mm thick galvanized sheets, minimizing waste.









#### Performance Features

- All rolling wheels are made from bearing steel, which increases their lifespan by more than fivefold.
- The CNC system features a material-saving mode that automates the retraction of materials after each task.
- Equipped with production memory capabilities, it includes a function to query production orders.

#### Super Auto Duct Line 3

- Robotic Arm Material Handling and Positioning Platform
- Displacement Joint (Union Joint)
- Three-Line Mainframe + Single Material Rack

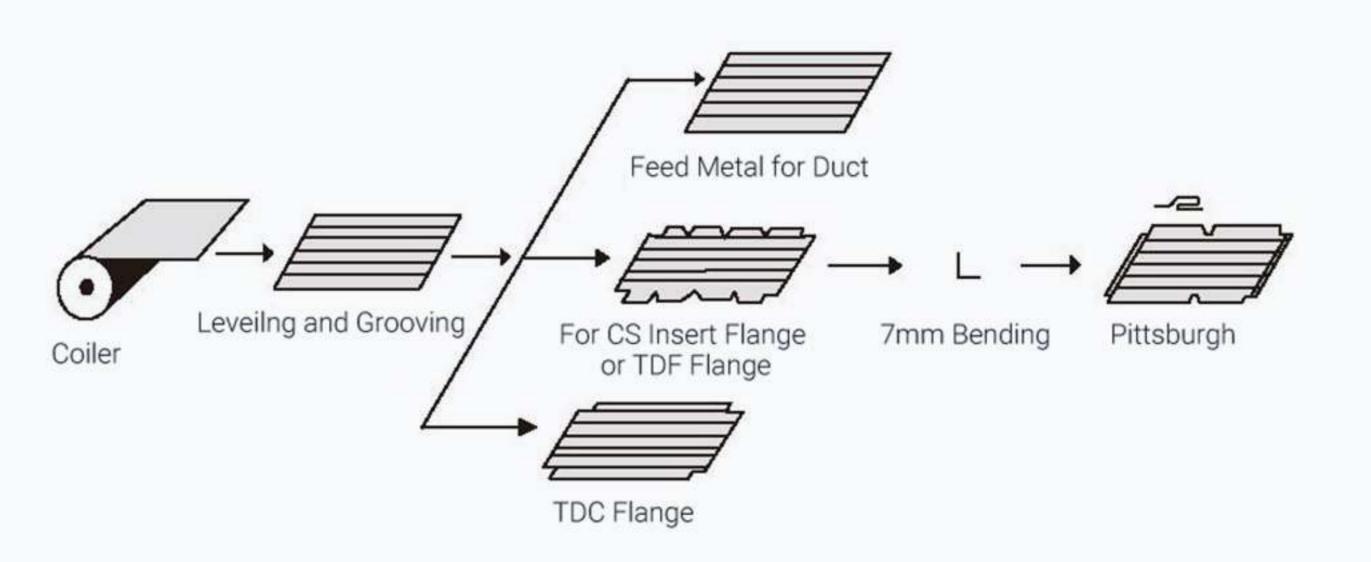
#### Main Import Configuration

- Cylinder imported from Germany Festo
- Beijing Huade or hydraulic system from Taiwan
- Japan Omron encoder
- Taiwan Hiwin linear guideways
- Taiwan Delta CNC system

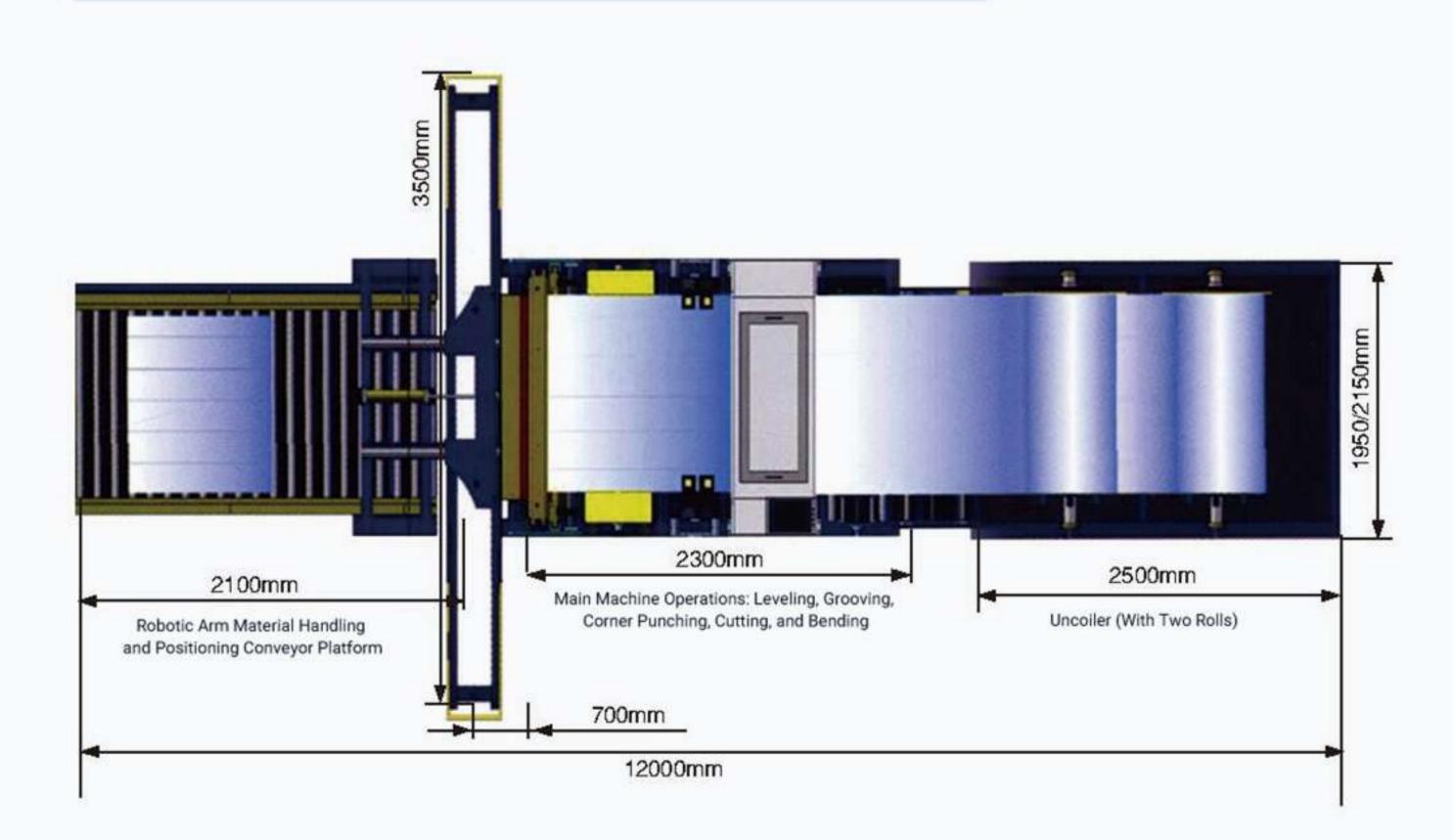
#### Basic Configuration

- One electric coil holders, with two material trays each (5-7 tons per coil)
- One support frame
- One main machine (dual-line host)
- One robotic arm for material gripping, positioning, and conveying platform
- One displacement-type combined punching machine
- One computer control system set

#### Schematic of Operation



#### Functional Flowchart



Model	Sheet Thicknes	Max Width	Max Working Speed	Coiler Max Weight				Power	Weight
IVIOGEI	(mm)	(mm)	(m/min)	(T)	L	W	Н	(Kw)	(T)
SADL-3-1250	0.5-1.2	1250	15	7	12000	3500	1500	12	6
SADL-3-1500	0.5-1.2	1500	15	7	12000	4000	1500	12	7

# AUTO DUCT LINE 3



#### Function

The duct production line is capable of handling sheet metal for ductwork, and is also well-suited • The integrated control cabinet design ensures a compact for the diverse production of TDF flanged ducts, angle iron flanges, and plug-in flange machines. Both the angle iron flanges and plug-in flanges can be automatically folded into square ducts.

#### Performance Features

- Features an aluminum alloy swing arm for easy operation.
- structure for convenient mobility and reduced wiring.
- Equipped with fully imported components for stable performance and ease of operation.









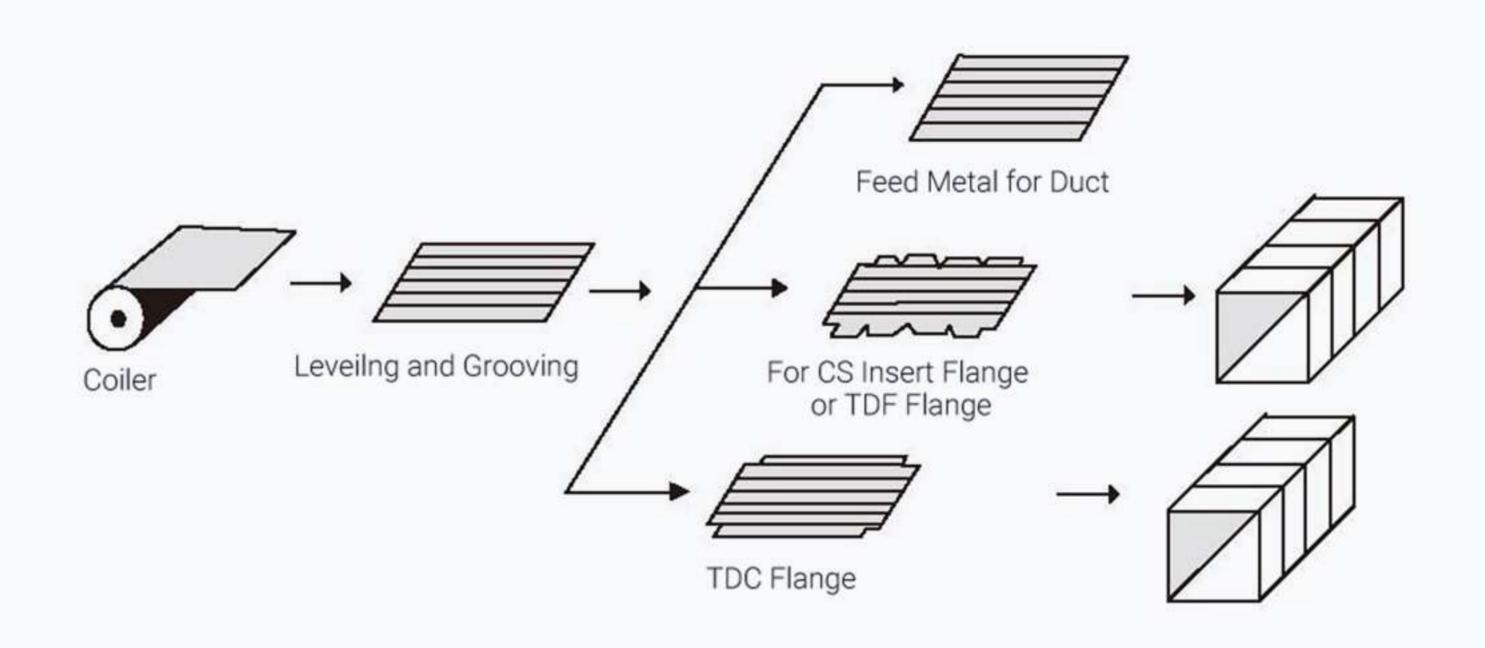
#### Main Import Configuration

- Germany Siemens CNC system + Schneider electrical system
- Beijing Huade or hydraulic system from Taiwa
- Japan Omron encoder

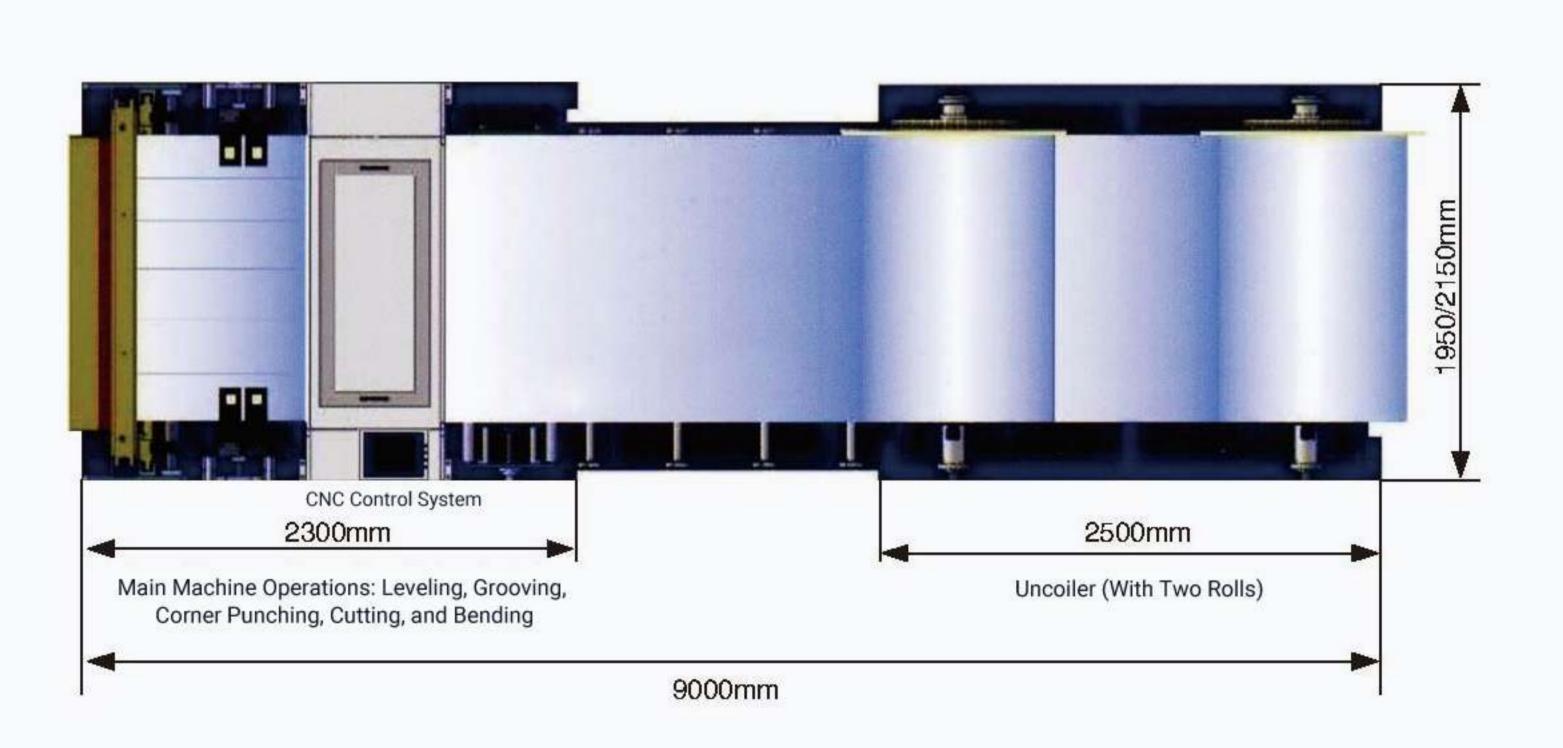
#### Basic Configuration

- One electric decoiler with two spools
- One set of leveling and rib-pressing equipment
- One set of quadruple molds for hydraulic notching machine
- Hydraulic shearing machine, hydraulic press brake, hydraulic pressing machine
- One complete CNC computer control system with production software

#### Schematic of Operation



#### Functional Flowchart

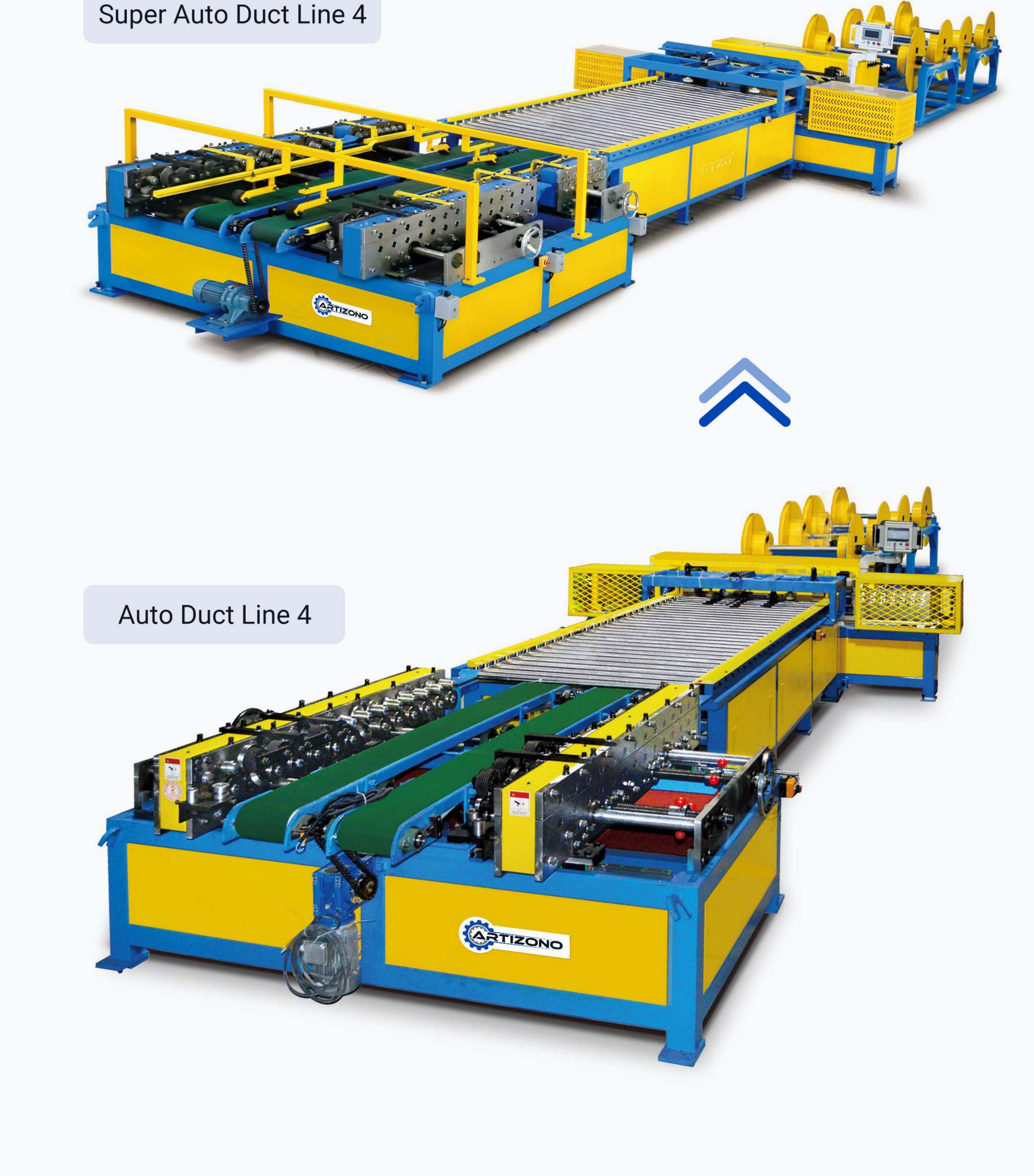


Model	Sheet Thicknes	Max Width	Max Working Speed			ax Weight Dimensions (mm)			Weight
IVIOGEI	(mm)	(mm)	(m/min)	(T)	L	W	Н	(Kw)	(T)
ADL-3-1250	0.5-1.2	1250	15	7	2200 2500	1950 1950	1300 1600	8	3.5
ADL-3-1500	0.5-1.2	1500	15	7	2200 2500	2150 2150	1300 1600	8	4

# UPGRADES DUCT PRODUCTION LINE

Your duct production line can evolve alongside your business, creating higher value for you.







# AUTO DUCT LINE 2



#### Function

The second production line for ductwork can accommodate the cutting of duct plates and also provide cutting services for TDF flange ductwork. Paired with a flange forming machine, seam closing machine, and folding machine, and with the addition of the appropriate corner pieces, it can produce high-quality ducts.

#### Performance Features

- Features an aluminum alloy swing arm for easy operation.
- The built-in control cabinet offers a compact structure and easy mobility while reducing wiring requirements.
- Equipped with fully imported components for stable performance and ease of operation.









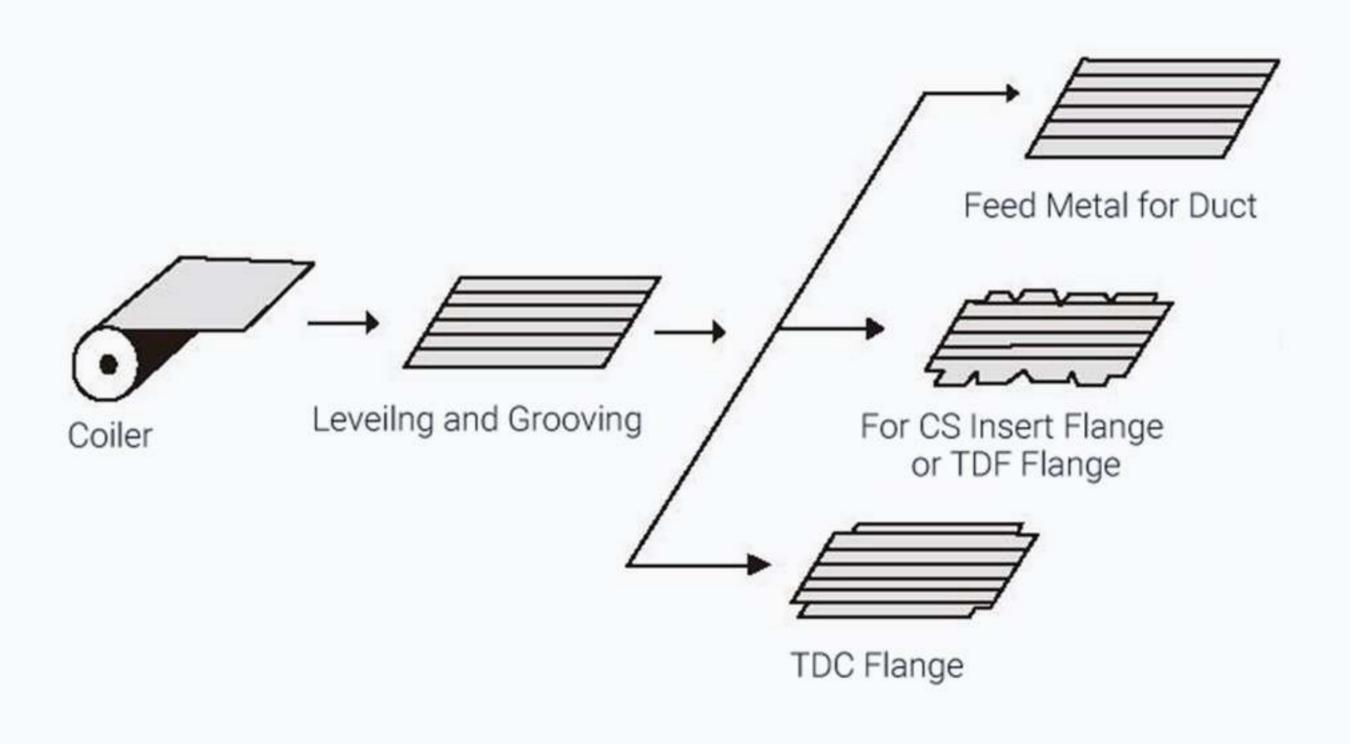
#### Main Import Configuration

- Germany Siemens CNC system + Schneider electrical system
- Beijing Huade or hydraulic system from Taiwan
- Japan Omron encoder

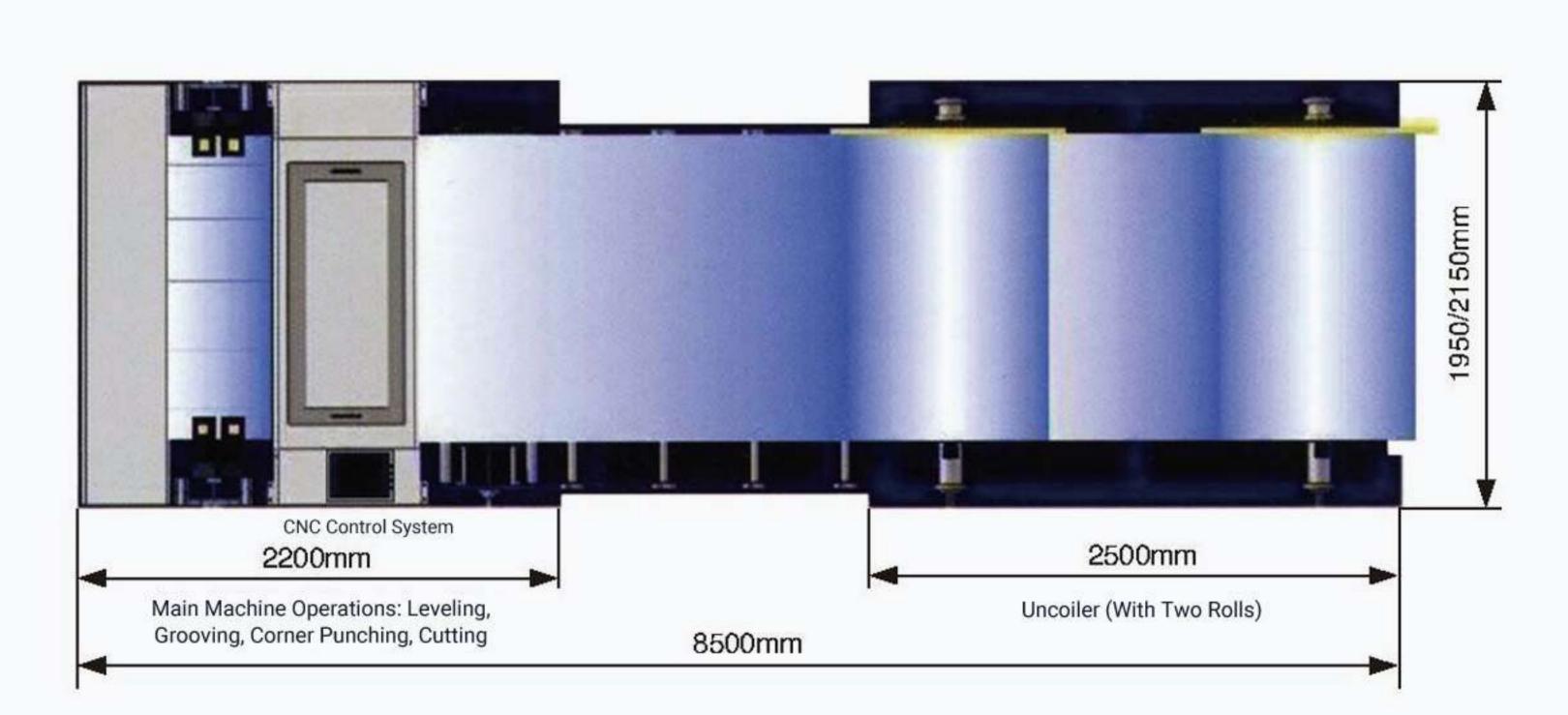
#### Basic Configuration

- One electric decoiler with two spools
- One set of leveling and rib-pressing equipment
- One set of quadruple molds for hydraulic notching machine
- Hydraulic shearing machine
- One complete CNC computer control system with production software

#### Schematic of Operation

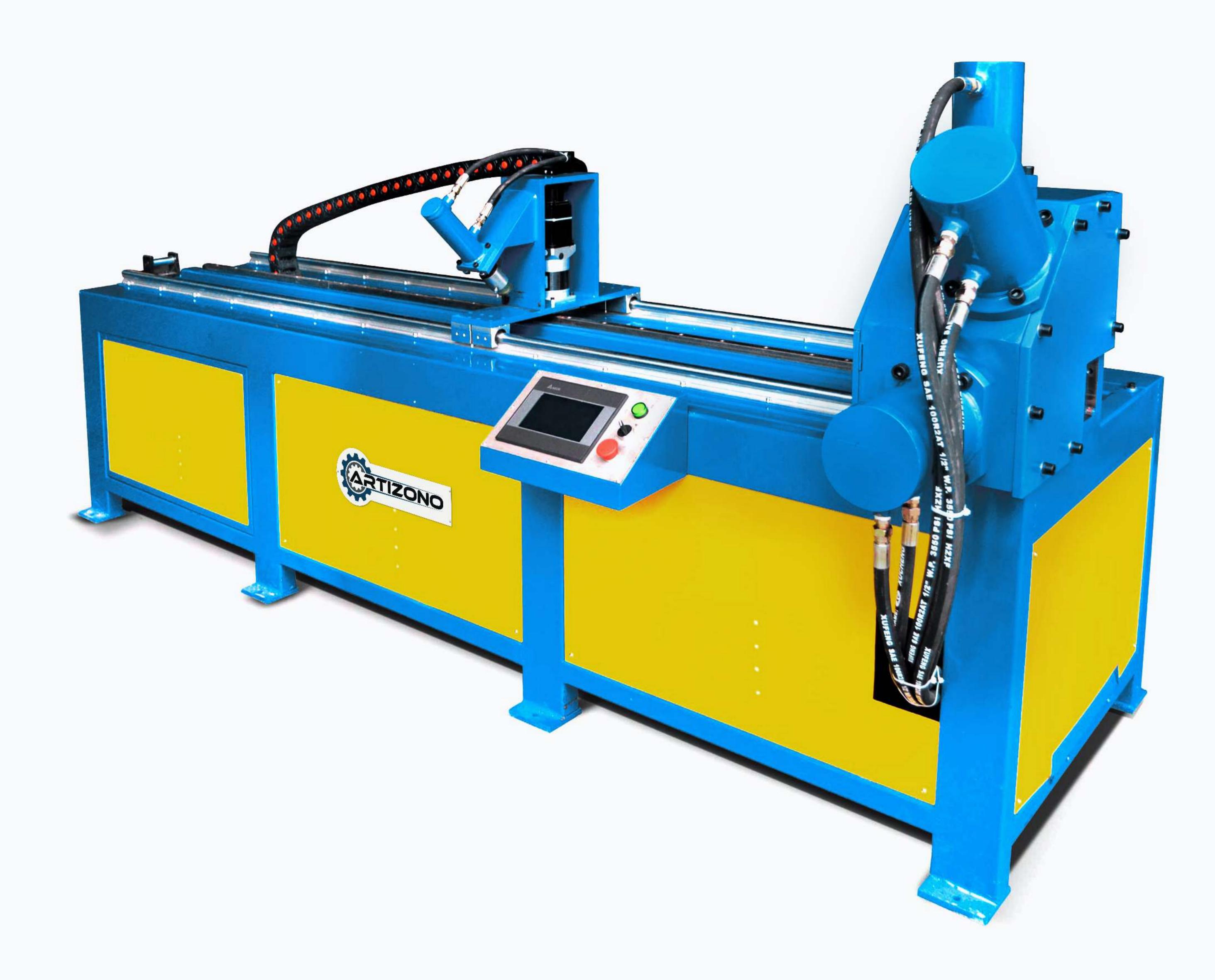


#### Functional Flowchart



Model	Sheet Thicknes	Max Width	Max Working Speed			Dimensions (mm)			Weight
IVIOGEI	(mm)	(mm)	(m/min)	(T)	L	W	Н	(Kw)	(T)
ADL-2-1250	0.5-1.2	1250	15	7	1900 2500	1950 1950	1500 1600	8	3.2
ADL-2-1500	0.5-1.2	1500	15	7	1900 2500	2150 2150	1500 1600	8	3.7

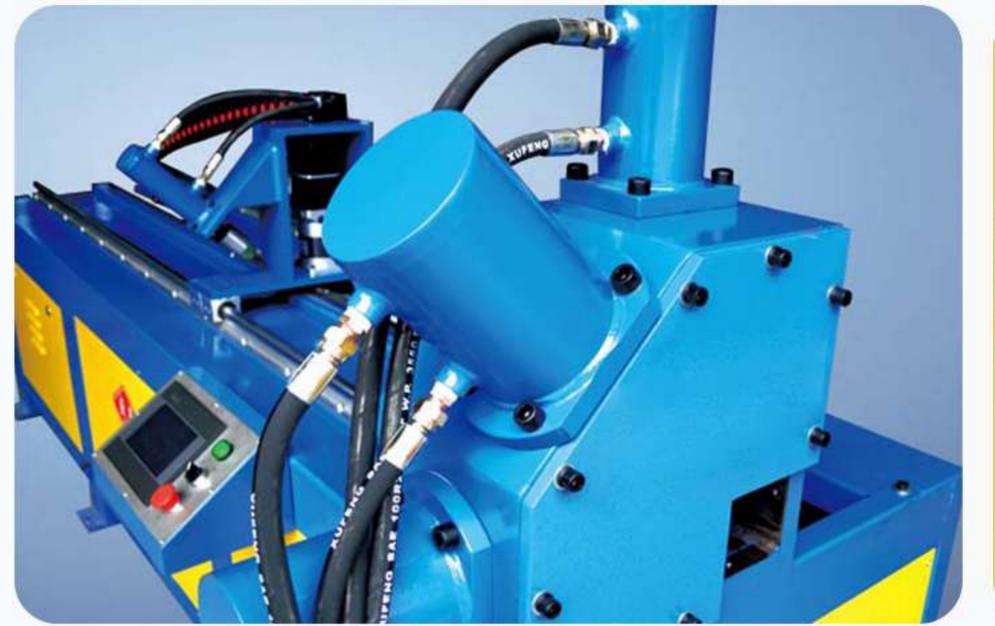
# CNC ANGLE STEEL FLANGE PRODUCTION LINE

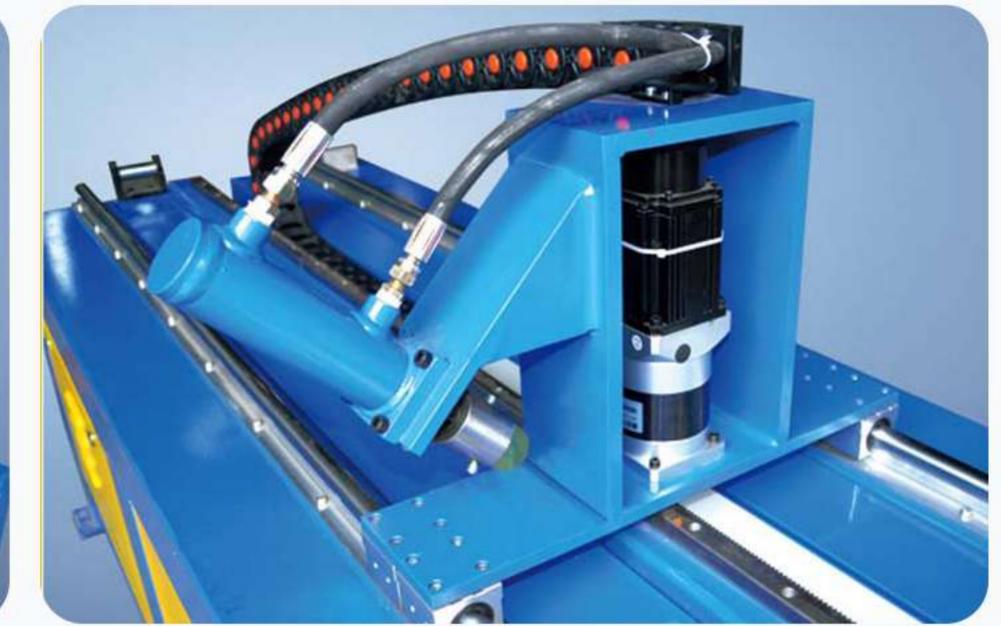


#### Function

The fully automatic CNC angle steel flange production line, also known as the CNC angle iron production line, primarily performs punching and cutting functions for both large and small holes in air duct angle steel flanges (30-50 angle steel). It achieves automatic feeding, punching, and cutting through fully automatic CNC control, saving labor and enhancing efficiency. It features high speed, precise dimensions, and a high degree of automation.







#### Performance Features

- Utilizing servo motor control for precise feed dimensions.
- Simply input the workpiece dimensions and the number of punches required when programming—operation is straightforward.
- The newly designed dies allow for quick angle iron changes, and the punches are durable and long-lasting.

#### Main Configuration

- Taiwanese hydraulic system.
- The cutting tools and punching dies are made of American H13 material.
- The feeding system is driven by a full servo motor.

- Processing range for angle steel (mm): No. 3-5 angle steel
- Common punching sizes (mm): Large hole 9x13mm; small hole: 4.2/5.2mm
- Number of punch heads that can be installed simultaneously: 2
- Standard length of angle steel: 6000mm
- Processing precision: ≤0.5mm
- Angle steel feed rate: 15-20m/min

Model	Working Range	Power (Kw)	Weight (Kg)	Dimensions ( L*W*H ) (mm)
STJG-30/50	30/40/50 Angle Steel	5	900	3000 x 1150 x 1380

# CNC PLASMA CUTTING MACHINE



#### Function

The fully automatic CNC plasma cutting machine primarily performs the automation of pattern development and cutting for irregular bend components. Select the shape that suits your needs from the three-dimensional library in the latest CAM-DUCT software, enter the dimensions, and choose the connection method. The software can automatically calculate, nest, and cut according to your specifications.

#### Performance Features

- A vertical control cabinet with a 10-inch touchscreen (a 15-inch large screen integrated machine is optional).
- Encrypted use of the new version of the AMERICAN AUTO DESK company's CAM-DUCT duct nesting software (Simplified Chinese version).
- Original HYPERTHERM generators from the USA or domestically produced Huayuan brand generators (economical type).





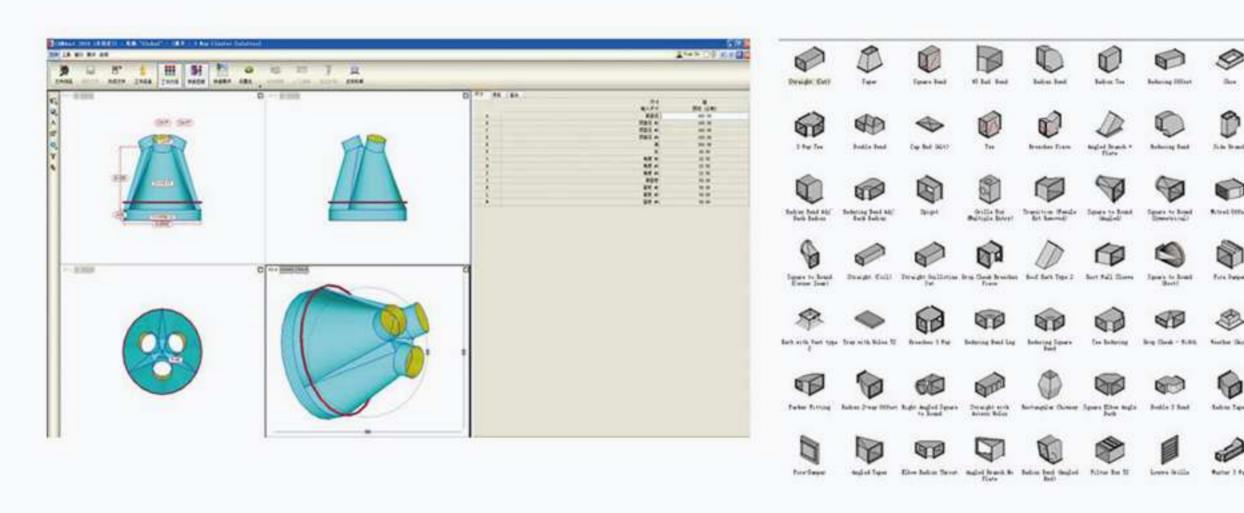


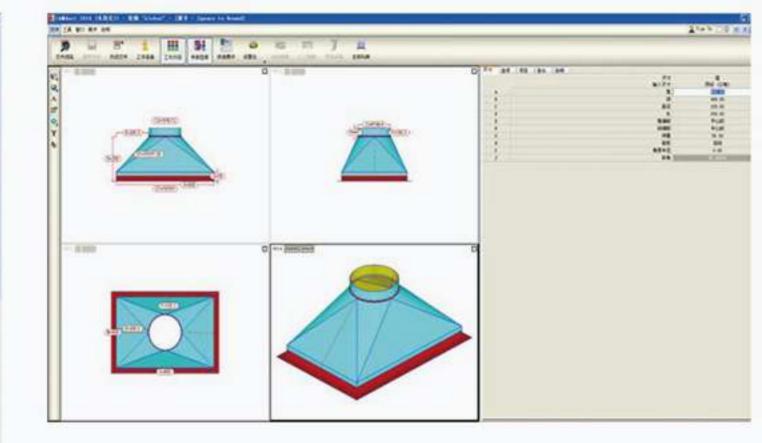


#### Software

Utilizing the latest version of the CAM-DUCT software from the American company, AUTO DESK, this duct software achieves cutting requirements for ductwork components by using pre-designed standard duct shapes and parameter settings, integrating technology, data programming, and management into a unified system. The software is user-friendly and easy to learn; simply input the processing dimensions to automatically generate the development drawings for non-standard ducts.

#### Software Library







#### Sample Display









Model	Working Range (mm)	Sheet Thickness (mm)	Power (Kw)	Dimensions (L*W*H) (mm)	Weight (Kg)
STD-1500 x 4000	1500 x 4000	0.4-6	10	4700 x 2000 x 1200	1000
STD-1500 x 5000	1500 x 5000	0.4-6	10	5700 x 2000 x 1200	1100

# LOCKFORMER



#### Performance Features

The Lockformer is an essential piece of equipment in the duct fabrication industry, capable of processing a variety of seam types to meet the requirements of sheet metal joining. Standard models can handle galvanized sheets ranging from 0.5 to 1.5mm in thickness. Our company has specially introduced high-strength rolling wheels made of GCr15 material, which offer a lifespan more than five times longer than those made of conventional materials, significantly enhancing work efficiency.



Model	Sheet Thickness (mm)	Shape	Power (Kw)	Weight (Kg)	Dimensions (L*W*H) (mm)
SA-12HB	0.5-1.2		1.5	220	1050 x570 x 1020
SA-15HB	0.8-1.5		2.2	280	1150 x 600 x1100
SA-12B	0.5-1.2		1.5	215	1050 × 570 × 1020
SA-12	0.5-1.2		1.5	200	1050 x 570 x 870
SA-12C	0.5-1.2		1.5	200	1050 x 570 x 870

# FLANGE FORMING MACHINE

### TDF Flange Forming Machine



- The flange machines operating on the shared plate principle come in three models based on work requirements: the single-machine models T-12 and T-15, and the dual-machine linked flange machine 2-T-12. The single machines form a flange edge on one side and a hook edge on the other, while the dual-machine linked flange machine simultaneously forms flange edges on both sides, increasing work efficiency and saving time. Additionally, based on customer needs, a single flange or hook can be added to the outer sides of the dual machines, achieving dual functionality in one machine.
- Our company proudly introduces high-strength rolling with GCr15 material, which has a lifespan over five times longer than ordinary 45-grade steel and is also capable of producing stainless steel shared plate flanges.

#### Main Technical Parameters

Model	Sheet Thickness (mm)	Shape	Power (Kw)	Weight (Kg)	Dimensions (L*W*H) (mm)
T-12	0.5-1.2	5 >	2	840	2700 x 700 x 1110
T-15	0.8-1.5		3	040	2700 X 700 X 1110

### Duplex TDF Flange Forming Machine

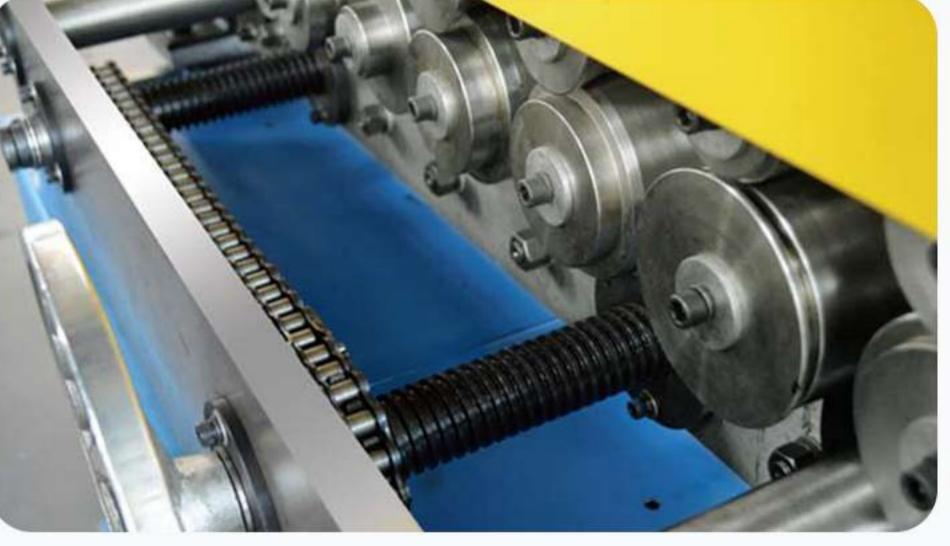


#### Performance Features

- The dual-machine linked flange machine can complete the flange forming on both ends of the duct in one go. This double-sided drive system utilizes HIWIN linear guides from Taiwan to achieve high-load, high-precision movement. Additionally, based on customer requirements, a single flange or hook code can be added to the outer sides of the double machine, making it dual-purpose. Compared to a single machine, this enhances processing efficiency, shortens delivery times, and significantly reduces labor costs.
- Our company proudly introduces high-strength rolling with GCr15 material, which has a lifespan over five times longer than ordinary 45-grade steel and is also capable of producing stainless steel shared plate flanges.







Model	Sheet Thickness (mm)	Shape	Power (Kw)	Weight (Kg)	Dimensions (L*W*H) (mm)
2-T-12	0.5-1.2	ς ¬	5.5	2100	2800 x 2800 x 1100
2-T-15	0.8-1.5	لمـــما	5.5	2100	2000 X 2000 X 1100

# FOLDING MACHINE

### Hand Folding Machine



#### Performance Features

Suitable for duct fabrication and sheet metal forming at mobile job sites. It is lightweight, energy-efficient, and offers a high cost-performance ratio.

Model	Folding Angle (°)	Weight (Kg)	Dimensions (L*W*H) (mm)
WS-1.5 x 1300	60°	400	1950 × 650 × 1500
WS-1.5 x 1500	60°	440	2150 × 650 × 1500
WS-1.5 x 2000	60°	500	2650 × 650 × 1500
WS-1.5 x 2500	60°	600	3150 × 650 × 1500

# Per

### Beading Machine

#### Performance Features

The five-line and seven-line beading machines are used in the HVAC industry for the production of reinforcement beads. They can press out five or seven reinforcement beads simultaneously and can be customized to multi-line parallel beading machines according to customer requirements.

Model	Sheet Thickness (mm)	Max Width (mm)	Power (Kw)	Weight (Kg)	Dimensions (L*W*H) (mm)
G1.5 x 1300	1.5	1300	1.5	460	1550 × 900 x 1060
G1.2 x 2000	1.2	2000	2.2	650	2300 × 900 × 1120

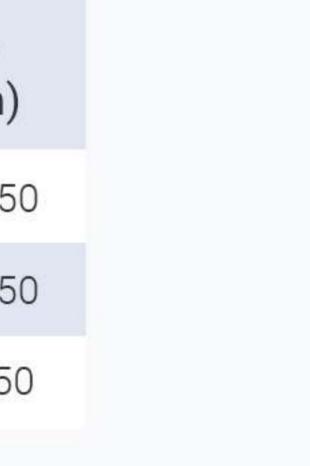
## TDF Flange Folding Machine



#### Performance Features

This machine is capable of bending shared plate flange materials, achieving a triple fold in the plate. It can also serve as a general-purpose folding machine.

Model	Folding Angle (°)	Weight (Kg)	Dimensions (L*W*H) (mm)
TDF-1.5 x 1300	45°	450	1950 × 650 × 1550
TDF-1.5 x 2000	45°	600	2650 × 650 × 1550
TDF-1.5 x 2500	45°	700	3100 × 650 ×1550



# Leveling Beading Machine

#### Performance Features

The leveling beading machine is an upgraded version of the five-line beading machine. It features a leveling function that straightens the sheet metal before pressing out five reinforcement beads, resulting in better flatness and improved aesthetics of the finished product.

Model	Sheet Thickness (mm)	Max Width (mm)	Power (Kw)	Weight (Kg)	Dimensions (L*W*H) (mm)	
JXP-1.5 x 1300	1.5	1300	2.2	700	1550 × 1100 × 1050	

## Pneumatic Folding Machine



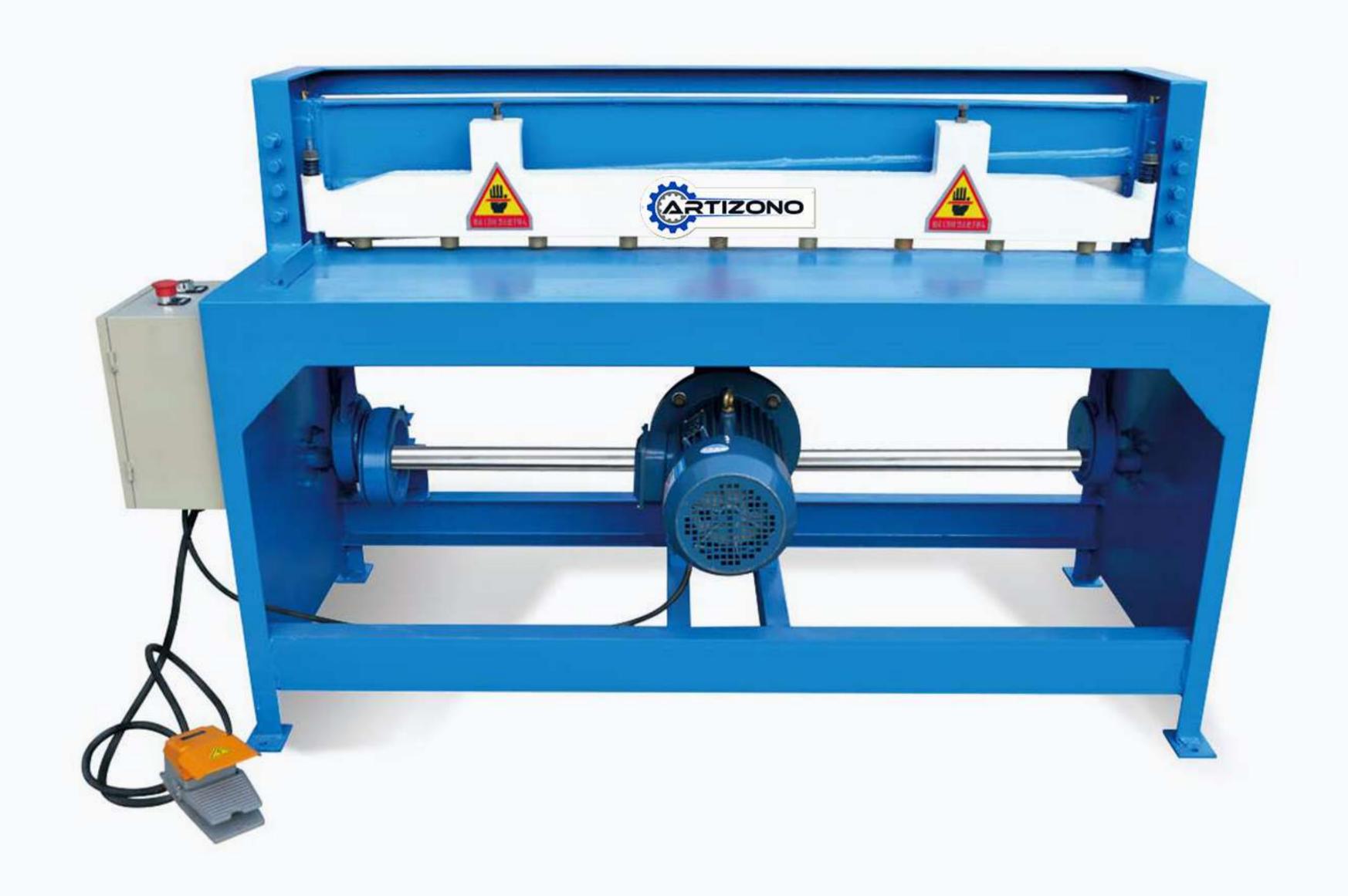
#### Performance Features

Using quad-cylinder pneumatics as the power source, with dual cylinders for clamping and dual cylinders for bending, it operates smoothly without the need for electricity. This makes it an efficient and ideal piece of equipment for shared plate flange duct bending, and it can be customized to standard models according to customer requirements.

Model	Folding Angle (°)	Weight (Kg)	Dimensions (L*W*H) (mm)
TDFQ-1.5 x 1300	60°	380	2000 × 800 × 1300
TDFQ-1.2 x 2000	60°	500	2700 × 800 ×1300
TDFQ-1.0 x 2500	60°	580	3200 × 800 × 1300



# AUXILIARY PROCESSING EQUIPMENT



### Small-Sized Electric Shearing Machine

#### Performance Features

This machine is an improved model of the small electric shear, featuring direct drive from the reduction motor without any gears, which minimizes maintenance. It is an essential and reliable tool for cutting thin sheets in ventilation applications.

Model	Shear Plate Thickness (mm)	Shear Plate Width (mm)	Number of Strokes (/min)	Power (Kw)	Dimensions (L*W*H) (mm)
Q11-2 x 600	2	600	30	3	1100 x 750 x 1010
Q11-1.5 x 1000	1.5	1000	30	3	1400 x 750 x 1010
Q11-1.5 x 1300	1.5	1300	30	3	1700 × 750 × 1010
Q11-1.5 x 1600	1.5	1600	30	3	2000 x 750 x 1010
Q11-1.2 x 2000	1.2	2000	30	3	2400 × 750 × 1010



# Energy-Saving Electric Shearing Machine

#### Performance Features

The machine boasts a fully welded steel structure and employs a guillotine-style downward cutting principle with chain drive. Equipped with a motor-integrated brake, it consumes no electricity when not shearing, making it suitable for cutting processing of common steel plates with thicknesses up to 3 millimeters.

Model	Shear Plate Thickness (mm)	Shear Plate Width (mm)	Number of Strokes (/min)	Power (Kw)	Dimensions (L*W*H) (mm)
Q11-3 x 1600	3	1600	30	4.5	2300 × 900 x 1250
Q11-3 x 2000	3	2000	30	5.5	2700 × 900 x 1250
Q11-2 x 2500	2	2500	30	5.5	3200 × 900 × 1250



### Reel Shear Beading Machine

#### Performance Features

The rolling shear and beading machine, also known as the corner notcher, is capable of both shearing and beading. Equipped with rolling shear blades, it is suitable for slitting thin sheets.

Model	Sheet Thickness (mm)	Shape	Power (Kw)	Weight (Kg)	Dimensions (L*W*H) (mm)
LQ-15	1.5		1.5	260	1600 x 600 x 1120



### Angle Steel Round Machine

#### Performance Features

Used for rolling angles in flanges, it is made from 40Cr material and undergoes comprehensive heat treatment for enhanced durability and longevity.

Model	Yield Limit	Minimum Diameter (mm)	Maximum Working Capacity	Power (Kw)	Weight (Kg)	Dimensions (L*W*H) (mm)
JY-50	≤245	400	L50 x 5	2.2	350	770 × 900 x 1180

# CIRCULAR DUCT EQUIPMENT



#### Tubeformer Machine

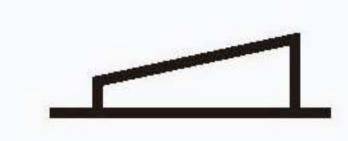
Diameter Range	Φ100-Φ1600
Thickness Range	Galvanized sheet: 0.5-1.2mm Stainless steel: 0.4-1.0mm
Material Width	137mm
Uncoiler	Vertical type, maximum load capacity: 1200kg
Seaming Lock Forming	On the outer surface of the pipe
Feeding Speed	0-35 meters/minute, adjustable
Cutting Tool	Rotary shear cutting
Power System	Pneumatic for cutting and flipping; hydraulic for pressing out the material rolls
Forming Head Die	Steel (aluminum alloy casting as an alternate)
Total Equipment Weight	2000kg
Equipment Dimensions	Main machine: 3.4x1.85x1.5 mm Discharge rack: 2.1x1.2x1.1 m
Total Power of Equipment	16kW
Power Supply	380V/50Hz/3ph (alternative power supplies available)
Control Panel	Touch screen

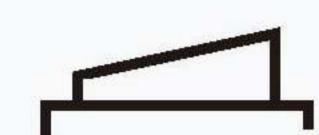


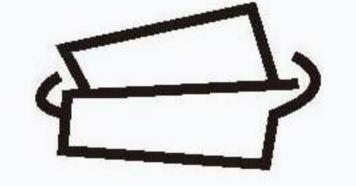
#### Round Elbow Machine

#### Performance Features

For the production and seam joining of single-end and double-end bone-shaped bends in shrimp elbow pipes.







Model	Sheet Thickness (mm)	Machining Diameter (mm)	Power (Kw)	Weight (Kg)	Dimensions (L*W*H) (mm)
WST-1.2 x 1000	1.2	Ф120-1600	3	460	2220 x 920 x 1050



# Asymmetrical 3-Roller Bending Machine

#### Performance Features

Equipped with a pre-bending function for tighter edges, this compact tube roller can handle minimum rolling diameters down to 100mm. It features a manual worm gear and eccentric wheel assembly for rapid adjustment of the side rollers, enhancing work efficiency.

Model	Sheet Thickness (mm)	Max Width (mm)	Minimum Diameter (mm)	Power (Kw)	Weight (Kg)	Dimensions (L*W*H) (mm)
W11G-2 x 1000	2	1000	100	1.5	240	1400 x 600 x 1100
W11G-1.5 x 1300	1.5	1300	100	1.5	260	1700 x 600 x 1100
W11G-1.2 x 1500	1.2	1500	100	1.5	280	1900 x 600 x 1100



## Rotary Beading Machine

#### Performance Features

The beading machine is available in both manual and electric versions, primarily used for crimping round tubes and facilitating connections.

Model	Shape	Sheet Thickness (mm)	Power (Kw)	Weight (Kg)	Dimensions (L*W*H) (mm)
LH-15		1.2	0.75	90	400 x 860 x 960
LH-10		1.0	1	50	560 x 310 x 970

# AUXILIARY PROCESSING EQUIPMENT



# Hydraulic Riveting Machine

#### Performance Features

Suitable for riveting operations connecting angle steel flanges to galvanized sheet material, this tool offers convenient operation and flexible maneuverability.

Model	Pressure	Rivet	Power	Weight	Dimensions
	(Mpa)	(mm)	(Kw)	(Kg)	(L*W*H) (mm)
DYM-1	10-12	4 x 10/5 x 10	1.5	65	600 x 400 x 650



#### Ironworker Machine

#### Performance Features

Suitable for punching, shearing, and chamfering angle steel flanges, this machine can be outfitted with punch dies according to customer requirements, and is also capable of cutting round bars, square rods, and flat steel.

Model	Max Pui	nching Force (Kn)	Shear Pla (mr		Number of Stro (/min)	kes F	Power (Kw)	Dimensions (L*W*H) (mm)
Q32A-8B		360	20	0	30		2.2	900 x 500 x 1100
Punch	ing	Angle Shearing	Round Bar Shearing	Square Bar Shearin	g Die S	hearing	Flat Bar Sheari	ng Steel Plate Shearing
		1	10	1			1	



## Punching Machine

#### Performance Features

Standard punch presses, when equipped with corner code dies, can produce air duct corner codes.

Additionally, optional punching and cutting dies are available for perforating and cutting angle steel.

Model	Pressure (Kn)	Dimension of Die Holder (mm)	Slide Stroke (mm)	Slider Stroke Frequency (Time/Min)	Power (Kw)	Dimensions (L*W*H) (mm)
25T	250	ф 40*60	70	60	2.2	1220 x 920 x 2060
40T	400	ф 50*70	100	50	3	1320 x 970 x 2380



# Automatic Corner Production Line

#### Performance Features

- The fully automatic corner code production line has achieved automated manufacturing, not only saving on labor but also enhancing safety and reliability. The entire production line requires just one person for operation, boasting simplicity and user-friendliness.
- It primarily completes tasks such as uncoiling, leveling, feeding, and punching forming, with an average output of 60 to 120 complete corner codes per minute.

Model	Power (Kw)	Sheet Thickness (mm)	Processing Quantity Per Minute	Weight (Kg)	Dimensions (L*W*H) (mm)
PC-12	8.5	0.8-1.2	60-120	550	5600 x 1800 x 2750

# AUXILIARY PROCESSING EQUIPMENT



#### Performance Features

Primarily utilized for the automatic installation of corner codes in rectangular ducts, this method replaces manual hammering and ensures a swift, time-saving, and efficient process.

Model	Sheet Thickness	Fluid Pressure	Weight	Dimensions
	(mm)	(Mpa)	(Kg)	(L*W*H) (mm)
PC-12	1.2	0.6-0.8	450	1500 x 800 x 1050



### Foot/Pneumatic Notching Machine

#### Performance Features

Angle cutters come in two types: foot-operated and pneumatic, both used for right-angle shearing of metal sheets.

Model	Sheet Thickness (mm)	Angle Size (mm)	Weight (Kg)	Dimensions (L*W*H) (mm)
Q-1.2 x 80	1.2	80 x 80	50	420 x 290 x 950
QD-1.2 x 80	1.2	80 x 80	70	650 x 300 x 1000



### Pneumatic Locking Machine

#### Performance Features

For rectangular duct joints with a width up to 1250mm, this pneumatically-operated seaming machine reduces manual labor and enhances efficiency.

Model	Sheet Thickness	Fluid Pressure	Weight	Dimensions
	(mm)	(Mpa)	(Kg)	(L*W*H) (mm)
STHF-1250	1.0	0.6-0.8	650	3200 x 1000 x 1030



### Hydraulic Locking Machine

#### Performance Features

For rectangular duct joints within 1500mm, this machine features PLC control and hydraulic drive, ensuring tight, even, and rapid seam sealing for enhanced safety and efficiency.

Model	Sheet Thickness	Wind Pipe Length	Weight	Power	Dimensions
	(mm)	(mm)	(Kg)	(Kw)	(L*W*H) (mm)
HFL-12	1.2	1000-1500	680	4	1210 x 970 x 2290

## SPIRAL DUCT MACHINE









#### Performance Features

- Ventilation System: The system is designed to supply fresh air and exhaust harmful gases to the outdoors, while delivering fresh outdoor air indoors. Generally, ventilation systems have high flow rates, necessitating the use of air ducts with low resistance to save on construction and operational costs—a spiral duct is most suitable. Galvanized iron pipes are typically used, but in corrosive or particularly humid environments, stainless steel pipes are preferred.
- Air Conditioning System: Spiral ducts can be lined with insulation material for improved aesthetics.
- Fume Extraction System: Kitchens in restaurants, hotels, and inns generate a significant amount of cooking fumes that need to be vented. Spiral ducts are appropriate for this application due to their strength and cost-effectiveness.
- Dust Removal System: Spiral ducts can be used for the collection and transportation of dust in dust removal systems.
- Bulk Material Conveyance: In pneumatic conveying systems, spiral ducts can be used to transport fine, loose material particles, offering low cost and effective performance.

#### Main Technical Parameters

Model	LXFG-1500
Coil Diameter	Ф80-Ф1500mm
Coil Length	100-8000mm
Processing Sheet Thickness	0.4-1.2mm
Processing Sheet Width	137mm
Processing Speed	1-38/min
Overall Dimensions	2600×2200×2050mm
Weight	2260kg
Electronic Control System	Computer PLC Control
Main Motor Power	5.5kw
Cutting Power	4kW
Hydraulic Power	0.4-0.8kmp



## Hydraulic Notching Machine

#### Performance Features

This machine tool utilizes hydraulic transmission and features a frame welded from steel plates, providing ample rigidity and strength. Its angle can be freely adjusted between 45° and 135°, allowing it to shear right-angle workpieces up to 4×200mm in size. It is suitable for various hardware angle-cutting processing requirements.

Model	Sheet Thickness (mm)	Max Width (mm)	Minimum Diameter (mm)	Power (Kw)	Weight (Kg)	Dimensions (L*W*H) (mm)
W11G-2 x 1000	2	1000	100	1.5	240	1400 x 600 x 1100
W11G-1.5 x 1300	1.5	1300	100	1.5	260	1700 x 600 x 1100
W11G-1.2 x 1500	1.2	1500	100	1.5	280	1900 x 600 x 1100