

Preda

AUTOMATIC DUCT LINES

PRODUCT CATALOGUE · 2026



PREDA MACHINE

HVAC Duct Processing Machine Supply Manufacturer

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CONTENTS

01	PREDA Super Auto Duct Line 5 AML-6-1300 / 1500 / 1600	03
02	PREDA U Shape Auto Duct Line 5 AML-5U-1300 / 1500 / 1600	04
03	PREDA Straight Shape Auto Duct Line 5 AML-5-1300 / 1500 / 1600	05
04	PREDA Auto Duct Line 4 AML-4-1300 / 1500 / 1600	06
05	PREDA Auto Duct Line 3 AML-3-1300 / 1500 / 1600	07
06	PREDA Auto Duct Line 2 AML-2-1300 / 1500 / 1600	08
07	PREDA Cut To Length Line AML-1-1300 / 1500 / 1600	09

PREDA MACHINE offers a complete range of HVAC duct processing machines:

AUTO DUCT LINES · SPIRAL DUCT MAKING MACHINES · DUCT FITTINGS MACHINES

PREDA SUPER AUTO DUCT LINE 5

All functions in one machine — efficient production and space saving.

Also known as *MINI AUTO DUCT LINE 5*



This is an economical and applicable rectangular duct production line, suitable for small or medium-sized duct shops — efficient in production and saving in space.

It can complete the full process of duct production including beading, notching, shearing, Pittsburgh, duplex TDF flange forming, folding and shearing. All functions in one machine.

WORKSTATIONS AND FUNCTIONS

- 1

Four electric coil cradles, 4 material trays (5–7 t each roll)
- 2

One host (line 2 host)
- 3

One movable type lock forming machine
- 4

One duplex TDF flange forming machine
- 5

One duplex angle steel flange forming machine
- 6

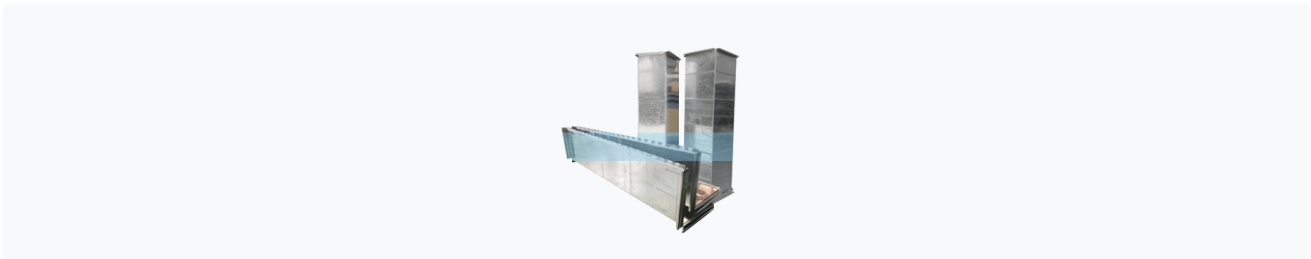
One servo feeding platform
- 7

One hydraulic folding machine
- 8

One set of computer controlling system

MAIN TECHNICAL PARAMETERS

Model	Sheeting thickness (mm)	Max width (mm)	Max working speed (m/min)	Weight of coil (T)	Dimension (mm) L×W×H	Power (kW)	Weight (T)
AML-6-1300	0.45–1.5	1300	16	6	5600×3600×1650	13	4
AML-6-1500	0.45–1.5	1500	16	6	5600×3800×1650	15	4.5
AML-6-1600	0.45–1.5	1600	16	6	5600×4000×1650	15	5



PREDA U SHAPE AUTO DUCT LINE 5

Modular U shape design with integrated flexible workstations.



U shape automatic duct line 5 adopts a modular U shape design, with several integrated flexible workstations. The optimized U shape structure makes the whole line beautiful in appearance and fast in production.

WORKSTATIONS AND FUNCTIONS

- 1

Electric decoilers (4 sets) driven by independent frequency controlled motors
- 2

Multi-functional main body with capability of leveling, grooving, notching (capable of sharp notching, TDF notching and flange hole punching) and plate shearing
- 3

Multi-functional Pittsburgh lock forming station
- 4

Servo-controlled material transporting tables
- 5

Duplex TDF flange forming station
- 6

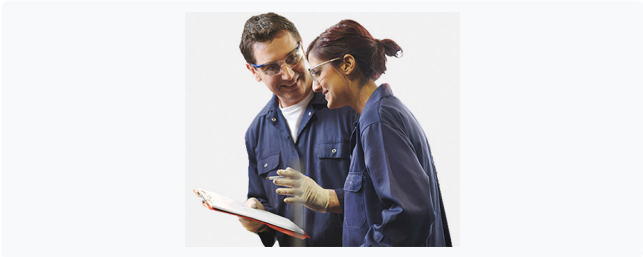
Hydraulic TDF folding station
- 7

Mitsubishi computer controlling system and software
- 8

Mitsubishi and Siemens electric box and electrics

MAIN TECHNICAL PARAMETERS

Model	Sheeting thickness (mm)	Max width (mm)	Max working speed (m/min)	Weight of coil (T)	Dimension (mm) L×W×H	Power (kW)	Weight (T)
AML-5U-1300	0.45-1.5	1300	15	7	14000×5000×1500	36	13
AML-5U-1500	0.45-1.5	1500	15	7	14000×5400×1500	36	14
AML-5U-1600	0.45-1.5	1600	15	7	14000×5800×1500	36	15



PREDA STRAIGHT SHAPE AUTO DUCT LINE 5

The most cost-efficient full-auto duct forming line — from coil to squared duct.



Automatic duct line 5 is the most cost-efficient full-auto duct forming line, with the duct formed automatically from decoiling to a formed squared duct.

Every step can be controlled by putting parameters into the Mitsubishi PLC screen. Having an auto duct line 5 is a magnificent sign of a scaled HVAC duct factory anywhere in the world.

WORKSTATIONS AND FUNCTIONS

- 1

Electric decoilers (4 sets) driven by independent frequency controlled motors
- 2

Multi-functional main body with capability of leveling, grooving, notching (capable of sharp notching, TDF notching and flange hole punching; flange hole punching can be optionally equipped) and plate shearing
- 3

Pittsburgh lock forming station
- 4

Servo-controlled material transporting tables
- 5

Duplex TDF flange forming station
- 6

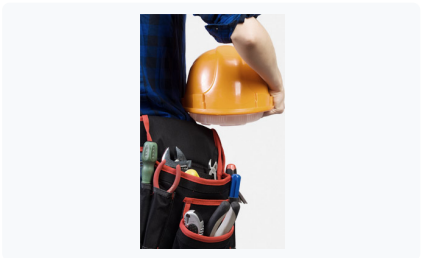
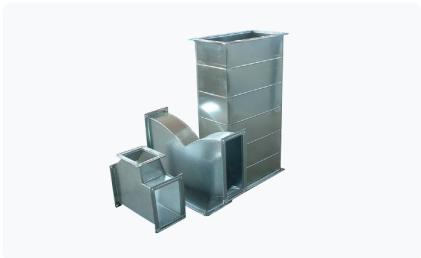
Hydraulic TDF folding station
- 7

Mitsubishi computer controlling system and software
- 8

Mitsubishi and Siemens electric box and electrics

MAIN TECHNICAL PARAMETERS

Model	Sheeting thickness (mm)	Max width (mm)	Max working speed (m/min)	Weight of coil (T)	Dimension (mm) L×W×H	Power (kW)	Weight (T)
AML-5-1300	0.45–1.5	1300	15	7	24000×3500×1500	30	12
AML-5-1500	0.45–1.5	1500	15	7	24000×4000×1500	30	13
AML-5-1600	0.45–1.5	1600	15	7	24000×4200×1500	30	14



PREDA AUTO DUCT LINE 4

A simplified full-auto duct line — compact and transport-friendly.



Automatic duct line 4 is a simplified full-auto duct line lacking the folding station, compared with the PREDA auto duct line 5.

This simplification not only makes the machine shorter in size, but also brings convenience for duct transportation.

WORKSTATIONS AND FUNCTIONS

- 1

Electric decoilers (4 sets of rollers) driven by independent frequency controlled motors
- 2

Multi-functional main body with capability of leveling, grooving, notching (capable of sharp notching, TDF notching and flange hole punching; flange hole punching can be optionally equipped) and plate shearing
- 3

Pittsburgh lock forming station
- 4

Servo-controlled material transporting tables
- 5

Duplex TDF flange forming station
- 6

Mitsubishi computer controlling system and software
- 7

Mitsubishi and Siemens electric box and electrics

MAIN TECHNICAL PARAMETERS

Model	Sheeting thickness (mm)	Max width (mm)	Max working speed (m/min)	Weight of coil (T)	Dimension (mm) L×W×H	Power (kW)	Weight (T)
AML-4-1300	0.45-1.5	1300	15	7	18000×3500×1500	26	9
AML-4-1500	0.45-1.5	1500	15	7	18000×4000×1500	26	10
AML-4-1600	0.45-1.5	1600	15	7	18000×4300×1500	26	10.5



PREDA AUTO DUCT LINE 3

High cost performance — the choice of 50% of PREDA customers.



About 50% of PREDA Machine customers have ordered our auto duct line 3 because of its very high cost performance. Compared with auto duct line 5, line 3 is simplified by not having the Pittsburgh lock forming station, the duplex TDF flange forming station and the relevant transporting tables — yet price-wise, auto duct line 3 is just 1/3 of auto duct line 5.

WORKSTATIONS AND FUNCTIONS

- 1

Electric decoilers (4 sets of rollers) driven by independent frequency controlled motors
- 2

Multi-functional main body with capability of leveling, beading, notching (capable of sharp notching, TDF notching) and plate shearing
- 3

Mitsubishi computer controlling system and software
- 4

Mitsubishi and Siemens electric box and electrics

MAIN TECHNICAL PARAMETERS

Model	Sheeting thickness (mm)	Max width (mm)	Max working speed (m/min)	Weight of coil (T)	Dimension (mm) L×W×H	Power (kW)	Weight (T)
AML-3-1300	0.45-1.5	1300	15	7	2300×1950×1350	7.5	3
AML-3-1500	0.45-1.5	1500	15	7	2300×2150×1350	7.5	3.5
AML-3-1600	0.45-1.5	1600	15	7	2300×2350×1350	7.5	4



PREDA AUTO DUCT LINE 2

Basic, upgradable and highly cost-effective.



Auto duct line 2 is a basic and highly cost-effective auto duct line of PREDA Machine. Compared with auto duct line 3, it does have a folding station.

Highlight: auto duct line 2 can be upgraded to automatic duct line 4 or 5 simply by adding further workstations — a second-to-none choice for small yet ambitious HVAC duct manufacturers installing a new auto duct line.

WORKSTATIONS AND FUNCTIONS

- 1

Electric decoilers (4 sets of rollers) driven by independent frequency controlled motors
- 2

Multi-functional main body with capability of leveling, beading, notching (capable of sharp notching, TDF notching)
- 3

Mitsubishi computer controlling system and software
- 4

Mitsubishi and Siemens electric box and electrics

MAIN TECHNICAL PARAMETERS

Model	Sheeting thickness (mm)	Max width (mm)	Max working speed (m/min)	Weight of coil (T)	Dimension (mm) L×W×H	Power (kW)	Weight (T)
AML-2-1300	0.45-1.5	1300	15	7	1900×1950×1450	7	2.5
AML-2-1500	0.45-1.5	1500	15	7	1900×2150×1450	8.5	3
AML-2-1600	0.45-1.5	1600	15	7	1900×2350×1450	8.5	3.5



PREDA CUT TO LENGTH LINE

Basic coil processing line — leveling, beading and shearing to length.

Also known as *AUTO DUCT LINE 1*



The cut to length line is the basic configuration of the PREDA auto duct line family, processing coil from decoiling through leveling and beading to precise shearing to length.

Compared with auto duct line 2, it does not include the notching stations — and it can be upgraded to auto duct line 2, 4 or 5 simply by adding further workstations.

WORKSTATIONS AND FUNCTIONS

- 1 Electric decoilers (4 sets of rollers) driven by independent frequency controlled motors
- 2 Multi-functional main body with capability of leveling and beading
- 3 Mitsubishi computer controlling system and software
- 4 Mitsubishi and Siemens electric box and electrics

MAIN TECHNICAL PARAMETERS

Model	Sheeting thickness (mm)	Max width (mm)	Max working speed (m/min)	Weight of coil (T)	Dimension (mm) L×W×H	Power (kW)	Weight (T)
AML-1-1300	0.45–1.5	1300	15	7	1900×1950×1450	7	2.5
AML-1-1500	0.45–1.5	1500	15	7	1900×2150×1450	8.5	3
AML-1-1600	0.45–1.5	1600	15	7	1900×2350×1450	8.5	3.5

