

 ayika group

BOSPORAS



**Coil / Sheet Metal Processing Lines**

[www.bosporas.com](http://www.bosporas.com)

# ABOUT US

**BOSPORAS MACHINERY SERVES INVESTORS IN THE ROLE OF BECOMING A SOLUTIONS PARTNER WITH ITS METAL PRODUCTION LINES, METAL PROCESSING SOLUTIONS, PRESS FEEDING LINES AND 20 YEARS OF EXPERIENCE. WE KEEP OFFERING NEW SOLUTIONS WITH RESEARCH AND DEVELOPMENT, AND MOVE TOWARDS OUR GOALS AS WE MAKE “QUALITY” OUR PRIORITY.**



## OUR VISION

Delivering all products in the best and the most economical way possible with the understanding of constant development. Keeping our clients satisfied and becoming an irreplaceable solutions partner.



## OUR MISSION

Becoming a company that is environmental friendly, an example among its competitors, a local and global leader in its field and always exceeds expectations.

# PRODUCTS



**MOTORIZED MECHANICAL DECOILERS**



**HYDRAULIC MANDREL MOTORIZED DECOILERS**



**SERVO FEEDERS**



**SERVO FEEDER STRAIGHTENERS**



**COMPACT LINES**



# PRODUCTS



DECOILING-STRAIGHTENING-FEEDING SYSTEMS



COIL CUT TO LENGTH LINES



COIL SLITTING LINES



LEVELERS



ROLL FORMING LINES



# MOTORIZED MECHANICAL DECOILERS



# MOTORIZED MECHANICAL DECOILERS



## 750 kg Capacity Decoiler

### Standart Specifications:

- \* Coil Width: Max. 300mm
- \* Strip Thickness: Max. 3mm
- \* Coil Weight: Max. 750 kg
- \* Automatic Loop Control with proximity sensor
- \* Speed Regulation.

- Mechanical Mandrel : Manual and easy mandrel thightening.
- Speed Control System : Mandrel rotation per minute is adjustable by control panel.
- Loop Control by Sensor : Distance adjustable sensor enables auto uncoiling.
- Upper / Snubber Arm : Controls the improper uncoiling by holding strip on coil ( Optional )

### Options

Snubber / Upper Arm



MODEL	MATERIAL WIDTH (IN mm)	INNER COIL DIAMETER		OUTER COIL DIAMETER	COIL WEIGHT	ENGINE	BRAKE	UPPER ARM
		MIN.	MAX.					
AYK-750 M	20 / 300	300	550	1400	750 kg	YES		OPTIONAL
AYK-750 F	20 / 300	300	550	1400	750 kg		YES	OPTIONAL

# MOTORIZED MECHANICAL DECOILERS



## 2.500 kg Capacity Decoiler

### Standart Specifications:

- \* Coil Width: Max. 500mm
- \* Strip Thickness: Max. 3mm
- \* Coil Weight: Max. 750 kg
- \* Automatic Loop Control with proximity sensor
- \* Speed Regulation.

- Mechanical Mandrel : Manual and easy mandrel thightening.
- Speed Control System : Mandrel rotation per minute is adjustable by control panel.
- Loop Control by Sensor : Distance adjustable sensor enables auto uncoiling.
- Upper / Snubber Arm : Controls the improper uncoiling by holding strip on coil ( Optional )

### Options

Snubber / Upper Arm



MODEL	MATERIAL WIDTH (IN mm)	INNER COIL DIAMETER		OUTER COIL DIAMETER	COIL WEIGHT	ENGINE	BRAKE	UPPER ARM
		MIN.	MAX.					
AYK-2500 M	30 / 500	470	630	1400	2500 kg	YES		OPTIONAL
AYK-2500 F	30 / 500	470	630	1400	2500 kg		YES	OPTIONAL

# MOTORIZED MECHANICAL DECOILERS



## 4.000 kg Capacity Decoiler

### Standart Specifications:

\* Coil Width: Max. 600 / 800 / 1000 mm

\* Strip Thickness: Max. 3mm

\* Coil Weight: Max. 4000 kg

\* Automatic Loop Control with proximity sensor

\* Speed Regulation.

Mechanical Mandrel : Manual and easy mandrel thightenning.

Speed Control System : Mandrel rotation per minute is adjustable by control panel.

Loop Control by Sensor : Distance adjustable sensor enables auto uncoiling.

Upper / Snubber Arm : Controls the improper uncoiling by holding strip on coil ( Optional )

### Options

Snubber / Upper Arm



MODEL	MATERIAL WIDTH (IN mm)	INNER COIL DIAMETER		OUTER COIL DIAMETER	COIL WEIGHT	UPPER ARM
		MIN.	MAX.			
AYK-4000-6	50 / 600	470	530	1400	4 TONS	OPTIONAL
AYK-4000-8	70 / 800	470	530	1400	4 TONS	OPTIONAL
AYK-4000-10	100 / 1000	470	530	1400	4 TONS	OPTIONAL



# HYDRAULIC MANDREL MOTORIZED DECOILERS



# HYDRAULIC MANDREL MOTORIZED DECOILERS

## 6.000 kg Capacity Decoiler

BOSPORAS designs and manufactures Hydraulic System Mandrel Tightening and Motorized Decoilers / Uncoilers.

AYK-6000 Model Decoilers: 3 different options according to maximum width of the coil; 600 , 800 and 1000 mm.

Circular Mandrel is working between 470-530 mm range with Hydro-Mechanic Mandrel Tightening.

Inner Diameter can be adjusted to 610 mm and 850 mm with adaptors.

Hydraulic Operated Coil Car: Coil Car enables lateral and vertical movement of the coil for an easy and fast loading/unloading of the coil.

Coil car also enables coil to turn around its x-Axis.

Control Panel and Sensor: Enable smooth and controlled uncoiling with loop sensor.

Optional Functions: Snubber/Upper Arm, Lower Arm, Full Automatic/Hands-Free Coil Loading, Auto -Centering, Pneumatic Brake.



### Options

- Auto Coil Centering by Robotic Arm (Sheet Metal Centering)
- Back and forth movement decoiler
- Hydraulic operated coil car

MODEL	MATERIAL WIDTH (IN mm)	INNER COIL DIAMETER		OUTER COIL DIAMETER	COIL WEIGHT	COIL INNER DIAMETER TIGHTENING	UPPER ARM	BODY MOVEMENT	COIL CAR
		MIN.	MAX.						
AYK-6000-6	70 / 600	480	620	1400	6000 kg	HYDRAULIC	OPTIONAL	OPTIONAL	OPTIONAL
AYK-6000-8	100 / 800	480	620	1400	6000 kg	HYDRAULIC	OPTIONAL	OPTIONAL	OPTIONAL
AYK-6000-10	100 / 1000	480	620	1400	6000 kg	HYDRAULIC	OPTIONAL	OPTIONAL	OPTIONAL

# HYDRAULIC MANDREL MOTORIZED DECOILERS



## 10.000 kg Capacity Decoiler

Hydraulic Mandrel Motorized Decoilers that are designed and manufactured by BOSPORAS have 10.000 kilograms of coil carrying capacity.

AYK-10000 Model Decoilers: 3 different options according to maximum width of the coil; 600 , 1000 and 1300 mm.

According to the inner diameter of the coil, if the gripping and pressing process can't be done manually, then the hydraulic system can be used. It provides a great amount of convenience to the establishments while placing and removing the coil by matching the mandrel with the inner diameter of the coil perfectly.

Coil car provides fast loading/unloading in the process of decoiling. Thanks to the circular tambourine we used in our hydraulic decoilers, the coils can be decoiled without deterioration. With the electronic board and the laser sensor, the working speed of the lines and the decoilers can be adjusted automatically.



### Options

- Robotic Arm ( Coil Centering )
- Back and forth movement decoiler
- Hydraulic operated coil car

MODEL	MATERIAL WIDTH (IN mm)	INNER COIL DIAMETER		OUTER COIL DIAMETER	COIL WEIGHT	COIL INNER DIAMETER TIGHTENING	LOWER ARM	BODY MOVEMENT
		MIN.	MAX.					
AYK-10000-8	70 / 800	480	620	1400	10.000 kg	HYDRAULIC	OPTIONAL	OPTIONAL
AYK-10000-10	200 / 1000	480	620	1400	10.000 kg	HYDRAULIC	OPTIONAL	OPTIONAL
AYK-10000-13	300 / 1300	480	620	1400	10.000 kg	HYDRAULIC	OPTIONAL	OPTIONAL

# HYDRAULIC MANDREL MOTORIZED DECOILERS



## 15.000 kg Capacity Decoiler

Hydraulic Mandrel Motorized Decoilers that are designed and manufactured by BOSPORAS have 15.000 kilograms of coil carrying capacity.

AYK-15000 Model Decoilers: 3 different options according to maximum width of the coil; 1000 , 1300 and 1600 mm. According to the inner diameter of the coil, if the gripping and pressing process can't be done, then the hydraulic system can be used. It provides a great amount of convenience to the establishments while placing and removing the coil by matching the mandrel with the inner diameter of the coil perfectly.

Coil car provides fast loading/unloading in the process of decoiling. Thanks to the circular tambourine we used in our hydraulic decoilers, the coils can be decoiled without deterioration. With the electronic board and the laser sensor, the working speed of the lines and the decoilers can be adjusted automatically.



### Options

- Robotic Arm ( Coil Centering )
- Back and forth movement decoiler
- Hydraulic operated coil car

MODEL	MATERIAL WIDTH (IN mm)	INNER COIL DIAMETER		OUTER COIL DIAMETER	COIL WEIGHT	COIL INNER DIAMETER TIGHTENING	LOWER ARM	BODY MOVEMENT
		MIN.	MAX.					
AYK-15000-10	100 / 1000	480	620	1400	10.000 kg	HYDRAULIC	OPTIONAL	OPTIONAL
AYK-15000-13	200 / 1300	480	620	1400	10.000 kg	HYDRAULIC	OPTIONAL	OPTIONAL
AYK-15000-16	300 / 1600	480	620	1400	10.000 kg	HYDRAULIC	OPTIONAL	OPTIONAL

# HYDRAULIC MANDREL MOTORIZED DECOILERS



## 20.000 kg Capacity Decoiler

Hydraulic Mandrel Motorized Decoilers that are designed and manufactured by BOSPORAS have 20,000 kilograms of coil carrying capacity.

AYK-20000 Model Decoilers: 3 different options according to maximum width of the coil; 1000 , 1300 and 1600 mm. According to the inner diameter of the coil, if the gripping and pressing process can't be done, then the hydraulic system can be used. It provides a great amount of convenience to the establishments while placing and removing the coil by matching the mandrel with the inner diameter of the coil perfectly.

Coil car provides fast loading/unloading in the process of decoiling. Thanks to the circular tambourine we used in our hydraulic decoilers, the coils can be decoiled without deterioration. With the electronic board and the laser sensor, the working speed of the lines and the decoilers can be adjusted automatically.



### Options

- Robotic Arm ( Coil Centering )
- Back and forth movement decoiler
- Hydraulic operated coil car

MODEL	MATERIAL WIDTH (IN mm)	INNER COIL DIAMETER		OUTER COIL DIAMETER	COIL WEIGHT	COIL INNER DIAMETER TIGHTENING	LOWER ARM	BODY MOVEMENT
		MIN.	MAX.					
AYK-20000-10	100 / 1000	480	620	1400	20.000 kg	HYDRAULIC	OPTIONAL	OPTIONAL
AYK-20000-13	200 / 1300	480	620	1400	20.000 kg	HYDRAULIC	OPTIONAL	OPTIONAL
AYK-20000-16	300 / 1600	480	620	1400	20.000 kg	HYDRAULIC	OPTIONAL	OPTIONAL

# HYDRAULIC MANDREL MOTORIZED DECOILERS



## 30.000 kg Capacity Decoiler

Hydraulic Mandrel Motorized Decoilers that are designed and manufactured by BOSPORAS have 30,000 kilograms of coil carrying capacity.

AYK-30000 Model Decoilers: 3 different options according to maximum width of the coil; 1000 , 1300 and 1600 mm.

According to the inner diameter of the coil, if the gripping and pressing process can't be done, then the hydraulic system can be used. It provides a great amount of convenience to the establishments while placing and removing the coil by matching the mandrel with the inner diameter of the coil perfectly.

Coil car provides fast loading/unloading in the process of decoiling. Thanks to the circular tambourine we used in our hydraulic decoilers, the coils can be decoiled without deterioration. With the electronic board and the laser sensor, the working speed of the lines and the decoilers can be adjusted automatically.

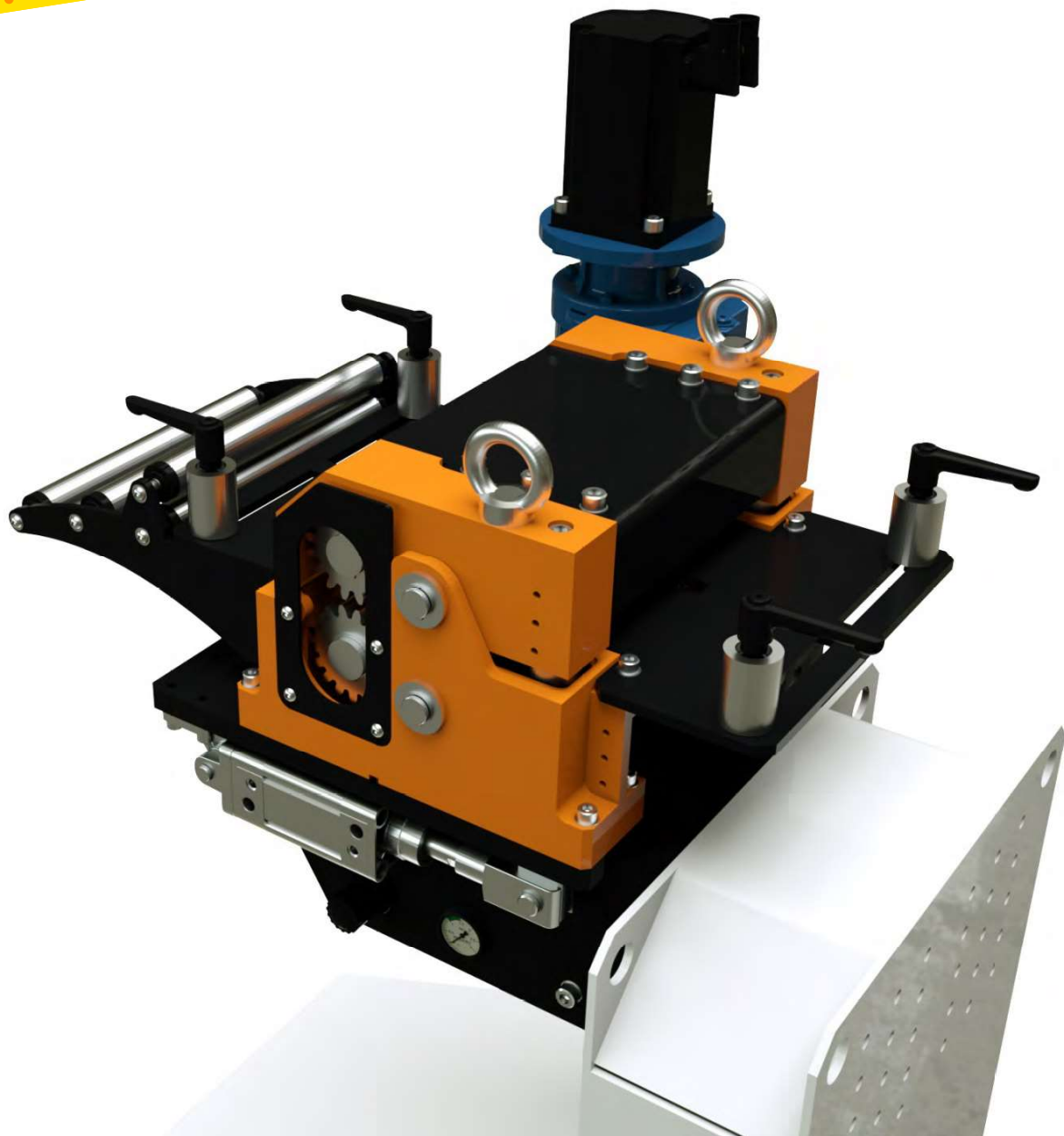


### Options

- Robotic Arm ( Coil Centering )
- Back and forth movement decoiler
- Hydraulic operated coil car

MODEL	MATERIAL WIDTH (IN mm)	INNER COIL DIAMETER		OUTER COIL DIAMETER	COIL WEIGHT	COIL INNER DIAMETER TIGHTENING	LOWER ARM	BODY MOVEMENT
		MIN.	MAX.					
AYK-30000-10	100 / 1000	480	620	1400	30,000 kg	HYDRAULIC	OPTIONAL	OPTIONAL
AYK-30000-13	200 / 1300	480	620	1400	30,000 kg	HYDRAULIC	OPTIONAL	OPTIONAL
AYK-30000-16	300 / 1600	480	620	1400	30,000 kg	HYDRAULIC	OPTIONAL	OPTIONAL

# SERVO FEEDERS



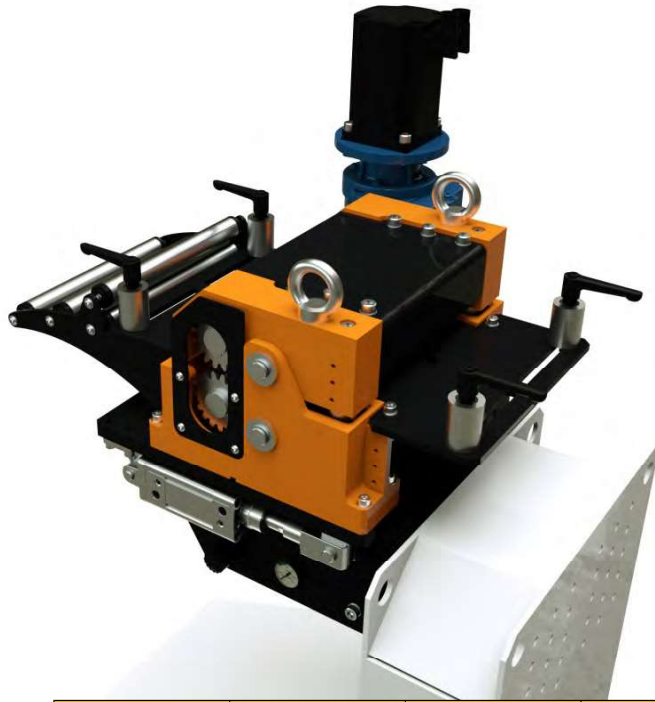
# SERVO FEEDERS



## Reducing Servo Feeder

Our Mini Servo Feeder model allows customers to save energy, space and reduces maintenance costs. AMS models don't need external guidance because they minimize the distance between Press body and the template.

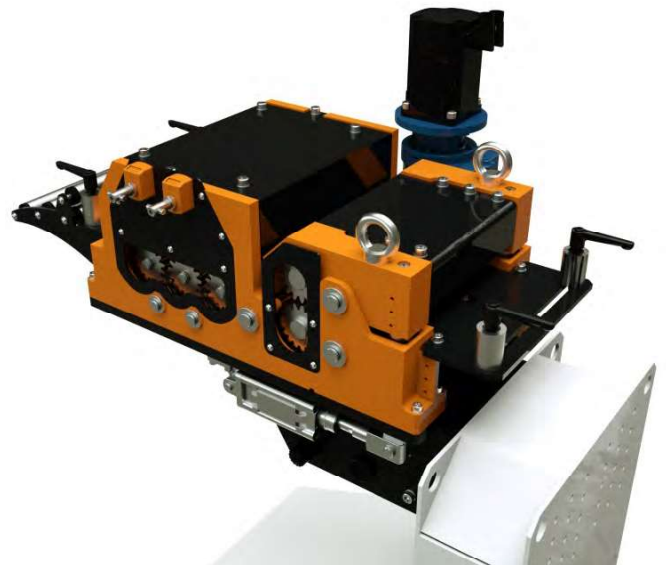
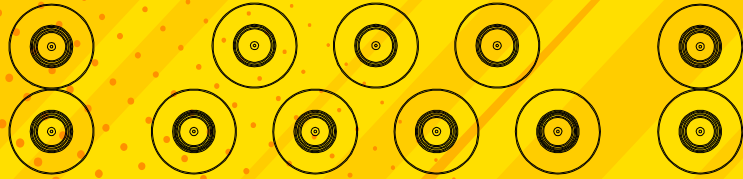
It's important for servo feeders to have a servo feeder system for the multi progressive and plating templates. AMS model feeders' control panel designed to control the press system also. Control panel allows the servo feeder and the press to work synchronized and also can work with PLC external output features. The open source software allows all kinds of reprogramming. Features like menu template memory, color display and entering different lengths are important for making it as user-friendly as possible.



MODEL	MATERIAL WIDTH (IN mm)	MATERIAL THICKNESS		FREE SPEED (m / min.)	PINCH ROLLER DIAMETER	PINCH ROLLER QUANTITY	CONTROL SYSTEM
		MIN.	MAX.				
AMS-100	20- 100	0,3	3 (mm)	110	Ø80	2	Servo
AMS-200	20- 200	0,3	3 (mm)	110	Ø80	2	Servo
AMS-300	20- 300	0,3	3 (mm)	110	Ø80	2	Servo
AMS-400	30- 400	0,3	3 (mm)	110	Ø80	2	Servo
AMS-500	40- 500	0,3	3 (mm)	110	Ø80	2	Servo
AMS-600	70- 600	0,3	3 (mm)	110	Ø80	2	Servo



# SERVO FEEDER STRAIGHTENERS



# SERVO FEEDER STRAIGHTENERS



## Mini Servo Feeder Straighter

Our company BOSPORAS, mass produces AMD models with static body and in accordance with CE regulations. Our understanding of making the “quality” our top priority has made us the top choice among customers. AMD model products are manufactured to work between 0,3 and 3 millimeters of thickness and, 100 and 200 millimeters of width. AMD model consists of 7 rollers that have HRC 58-60 surface stiffness which 5 of them have 60 millimeters diameter and 2 of them have 80 millimeters of diameter. AMD models don't need any external guidance because they minimize the distance between Press body and the template.

Our AMD Servo Feeder Straighteners are designed to control the press system with its 7” ergonomic LCD color display.

Besides allowing Servo Feeder Straightener to work synchronized with the Press system, control panel can also work on systems like greasing the templates via PLC external output features, multi press control and piston template.

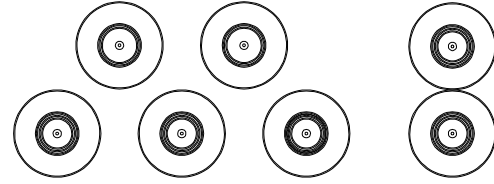


MODEL	MATERIAL WIDTH (IN mm)	MATERIAL THICKNESS (IN mm)		FREE SPEED (m / min.)	PINCH ROLLER DIAMETER	STRAIGHTENER ROLLER DIAMETER	PINCH ROLLER QUANTITY	STRAIGHTENER ROLLER QUANTITY	CONTROL SYSTEM
		MIN.	MAX.						
AMD-100	20-100	0,5	5 (mm)	50	Ø80	Ø60	2	5	Servo
AMD-200	20-200	0,5	5 (mm)	50	Ø80	Ø60	2	5	Servo

# SERVO FEEDER STRAIGHTENERS



## 7-Roller Servo Feeder Straightener



Our 7-roller servo feeders work between 300 and 1600 millimeters of width and, 0,5 and 4 millimeters of thickness. Our straightener servo machines' full-auto piloting system works with feeder and straightener rollers. Our company mass produces 11-roller Model with static body and in accordance with CE Regulations.

The open source software allows all kinds of reprogramming and alternative usage. Thanks to the features like keeping 250 different templates, saving 50 different feeding lengths and giving 8 external PLC outputs, it allows the press operator to change the settings easily.



MODEL	MATERIAL WIDTH (IN mm)	MATERIAL THICKNESS (IN mm)		FREE SPEED (m / min.)	ROLLER DIAMETER	PINCH ROLLER QUANTITY	STRAIGHTENER ROLLER QUANTITY	CONTROL SYSTEM
		MIN.	MAX.					
ADS7-300	30-300	0,5	5	40	84	2	5	Servo
ADS7-400	40-400	0,5	5	40	84	2	5	Servo
ADS7-600	60-600	0,5	5	40	84	2	5	Servo
ADS7-800	70-800	0,5	5	40	84	2	5	Servo
ADS7-1000	150-1000	0,5	5	40	84	2	5	Servo
ADS7-1300	400-1300	0,5	5	40	84	2	5	Servo
ADS7-1600	400-1600	0,5	5	40	84	2	5	Servo

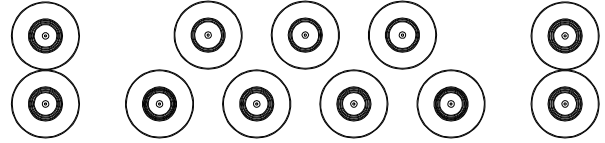
### Options

Motorized Height Adjustment  
Peeler Shovel

# SERVO FEEDER STRAIGHTENERS



## 11-Roller Servo Feeder Straightener



Our 11-roller servo feeders work between 300 and 1600 millimeters of width and, 0,5 and 8 millimeters of thickness. Our straightener servo machines' full-auto piloting system works with feeder and straightener rollers. Our company mass produces 11-roller Model with static body and in accordance with CE Regulations.

The open source software allows all kinds of reprogramming and alternative usage. Thanks to the features like keeping 250 different templates, saving 50 different feeding lengths and giving 8 external PLC outputs, it allows the press operator to change the settings easily.

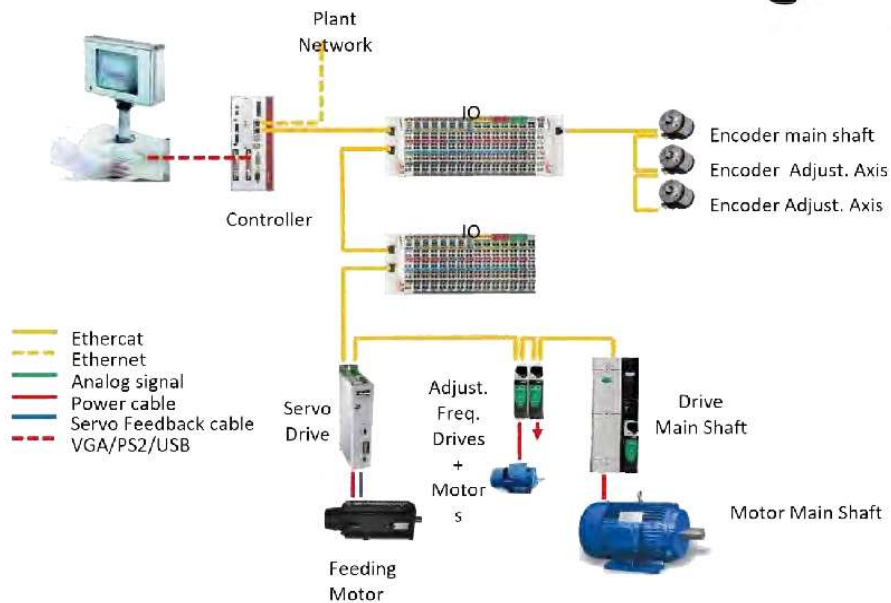
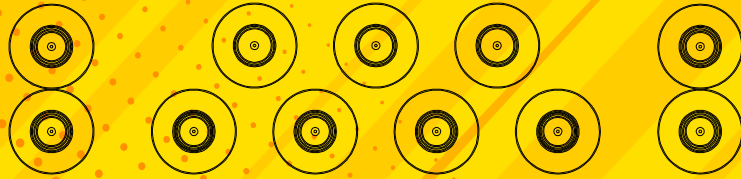


MODEL	MATERIAL WIDTH (IN mm)	MATERIAL THICKNESS (IN mm)		FREE SPEED (m / min.)	PINCH ROLLER DIAMETER	PINCH ROLLER QUANTITY	STRAIGHTENER ROLLER DIAMETER	STRAIGHTENER ROLLER QUANTITY	CONTROL SYSTEM
		MIN.	MAX.						
AZP-300	30-300	1 mm	8 mm	45	126	2 + 2	84	7	Servo
AZP-400	40-400	1 mm	8 mm	45	126	2 + 2	84	7	Servo
AZP-600	60-600	1 mm	8 mm	45	126	2 + 2	84	7	Servo
AZP-800	70-800	1 mm	8 mm	45	126	2 + 2	84	7	Servo
AZP-1000	150-1000	1 mm	8 mm	45	126	2 + 2	84	7	Servo
AZP-1300	400-1300	1 mm	8 mm	45	126	2 + 2	84	7	Servo
AZP-1600	400-1600	1 mm	8 mm	45	126	2 + 2	84	7	Servo

### Options

Motorized Height Adjustment  
Peeler Shovel

# COMPACT LINES



# COMPACT LINES



## 750 kg Mini Straightener

Our AMOC Series 7-roller compact system press feeding machines consists of 20 and 200 millimeters of coil width, 750 kilograms of weight and 0,5 and 4 millimeters of thickness straightener and feeding lines.

Aluminum and other soft alloys, hot and cold foilated materials, high integrity materials like carbon or stainless steel and even lamination steel can be processed in our compact system servo feeder machines.



### Options

- Upper Arm
- Peeler and Shovel System
- Motorized Height Adjustment

MODEL	MATERIAL WIDTH (IN mm)	COIL WEIGHT	MATERIAL THICKNESS (IN mm)		FREE SPEED (m / min.)	PINCH ROLLER DIAMETER	STRAIGHTENER ROLLER DIAMETER	PINCH ROLLER QUANTITY	STRAIGHTENER ROLLER QUANTITY	CONTROL SYSTEM
			MIN.	MAX.						
AMDC-100	20-100	750 kg	0,5	4 (mm)	40	Ø80	Ø60	2	5	Servo
AMDC-200	20-200	750 kg	0,5	4 (mm)	40	Ø80	Ø60	2	5	Servo

# COMPACT LINES



## 2.500 kg 7-Roller Compact

Our ADSC Series 7-roller compact system press feeding machines consists of 20 and 600 millimeters of coil width, 2500 kilograms of weight and 0,5 and 4 millimeters of thickness straightener and feeding lines.

Aluminum and other soft alloys, hot and cold foilated materials, high integrity materials like carbon or stainless steel and even lamination steel can be processed in our compact system servo feeder machines.



### Options

- Upper Arm
- Peeler and Shovel
- Motorized Height Adjustment

MODEL	MATERIAL WIDTH (IN mm)	COIL WEIGHT	MATERIAL THICKNESS (IN mm)		FREE SPEED (m / min.)	PINCH ROLLER DIAMETER	STRAIGHTENER ROLLER DIAMETER	PINCH ROLLER QUANTITY	STRAIGHTENER ROLLER QUANTITY	CONTROL SYSTEM
			MIN.	MAX.						
ADSC-307	20-300	2500 kg	0,5	3 (mm)	32 m / min.	Ø84	Ø84	2	5	Servo
ADSC-407	20-400	2500 kg	0,5	3 (mm)	32 m / min.	Ø84	Ø84	2	5	Servo
ADSC-607	20-600	2500 kg	0,5	3 (mm)	32 m / min.	Ø84	Ø84	2	5	Servo

# COMPACT LINES



## 4.000 kg 7-Roller Compact

Our ACS Series 7-roller compact system press feeding machines consists of 40 and 1000 millimeters of coil width, 4000 kilograms of weight and 0,4 and 4 millimeters of thickness straightener and feeding lines.

Aluminum and other soft alloys, hot and cold foilated materials, high integrity materials like carbon or stainless steel and even lamination steel can be processed in our compact system servo feeder machines.



MODEL	ACS407-4	ACS607-4	ACS807-4	ACS1007-4
Material Width	40 - 400	40 - 600	70 - 800	100 - 1000
Coil Weight	4000 kg	4000 kg	4000 kg	4000 kg
Material Thickness	0,4 - 4 (mm)	0,4 - 4 (mm)	0,4 - 4 (mm)	0,4 - 4 (mm)
Pinch Roller Quantity and Diameter	2 and 84	2 and 84	2 and 84	2 and 84
Straightener Roller Quantity and Diameter	5 and 84	5 and 84	5 and 84	5 and 84
Speed	40 m / min.	40 m / min.	40 m / min.	40 m / min.
Inner Coil Diameter	480 / 530	480 / 530	480 / 530	480 / 530
Inner Coil Diameter Tightening	Mechanic	Mechanic	Mechanic	Mechanic
Outer Coil Diameter	1300 (mm)	1300 (mm)	1400 (mm)	1400 (mm)
Control System	Servo	Servo	Servo	Servo

### Options

- Upper Arm
- Peeler and Shovel
- Motorized Height Adjustment



# COMPACT LINES



## 6.000 kg 7-Roller Compact

Our ACS Series 7-roller compact system press feeding machines consists of 40 and 1000 millimeters of coil width, 6000 kilograms of weight and 0,4 and 4 millimeters of thickness straightener and feeding lines.

Aluminum and other soft alloys, hot and cold foilated materials, high integrity materials like carbon or stainless steel and even lamination steel can be processed in our compact system servo feeder machines.



### Options

- Snubber Arm
- Robotic Arm ( Sheet Metal Centering )
- Coil Car
- Back and forth movement decoiler
- Motorized Height Adjustment
- Peeler and Shovel

MODEL	ACS404-6	ACS604-6	ACS804-6	ACS1004-6	ACS1304-6	ACS1604-6
Material Width	40 - 400	40 - 600	70 - 800	100 - 1000	100 - 1300	100 - 1600
Coil Weight	6.000 kg	6.000 kg	6.000 kg	6.000 kg	10.000 kg	10.000 kg
Material Thickness	0,4 - 4 (mm)	0,4 - 4 (mm)	0,5 - 4 (mm)	0,5 - 4 (mm)	0,5 - 4 (mm)	0,5 - 4 (mm)
Pinch Roller Quantity and Diameter	2 and 84	2 and 84	2 and 84	2 and 84	2 and 84	2 and 84
Straightener Roller Quantity and Diameter	5 and 84	5 and 84	5 and 84	5 and 84	5 and 84	5 and 84
Speed	32 m / min.	32 m / min.	32 m / min.	32 m / min.	32 m / min.	32 m / min.
Inner Coil Diameter	480 / 620	480 / 620	480 / 620	480 / 620	480 / 620	480 / 620
Inner Coil Diameter Tightening	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Outer Coil Diameter	1400 (mm)	1400 (mm)	1400 (mm)	1400 (mm)	1400 (mm)	1400 (mm)
Coil Car	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Control System	Servo	Servo	Servo	Servo	Servo	Servo

# COMPACT LINES



## 6.000 kg 11-Roller 126 Diameter Compact

Our ACS Series 11-roller compact system press feeding machines consists of 40 and 600 millimeters of coil width, 6000 kilograms of weight and 0,4 and 8 millimeters of thickness straightener and feeding lines.

Aluminum and other soft alloys, hot and cold foilated materials, high integrity materials like carbon or stainless steel and even lamination steel can be processed in our compact system servo feeder machines.



### Options

- Snubber Arm
- Robotic Arm ( Sheet Metal Centering )
- Coil Car
- Back and Forth Movement Decoiler
- Motorized Height Adjustment
- Peeler and Shovel
- Crocodile Opening ( Roller Access )

MODEL	ACS408-6	ACS608-6	ACS808-10	ACS1008-10	ACS1308-15	ACS1608-15
Material Width	40 - 400	40 - 600	70 - 800	100 - 1000	100 - 1300	100 - 1600
Coil Weight	6.000 kg	6.000 kg	10.000 kg	10.000 kg	10.000 kg	15.000 kg
Material Thickness	0,4 - 8 (mm)	0,4 - 8 (mm)	0,5 - 8 (mm)	0,5 - 8 (mm)	0,5 - 8 (mm)	0,5 - 8 (mm)
Pinch Roller Quantity and Diameter	4 and 126	4 and 126	4 and 126	4 and 126	4 and 126	4 and 126
Straightener Roller Quantity and Diameter	7 and 84	7 and 84	7 and 84	7 and 84	7 and 84	7 and 84
Speed	32 m / min.	32 m / min.	32 m / min.	32 m / min.	32 m / min.	32 m / min.
Inner Coil Diameter	480 / 620	480 / 620	480 / 620	480 / 620	480 / 620	480 / 620
Inner Coil Diameter Tightening	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Outer Coil Diameter	1400 (mm)	1400 (mm)	1400 (mm)	1400 (mm)	1400 (mm)	1400 (mm)
Coil Car	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Control System	Servo	Servo	Servo	Servo	Servo	Servo

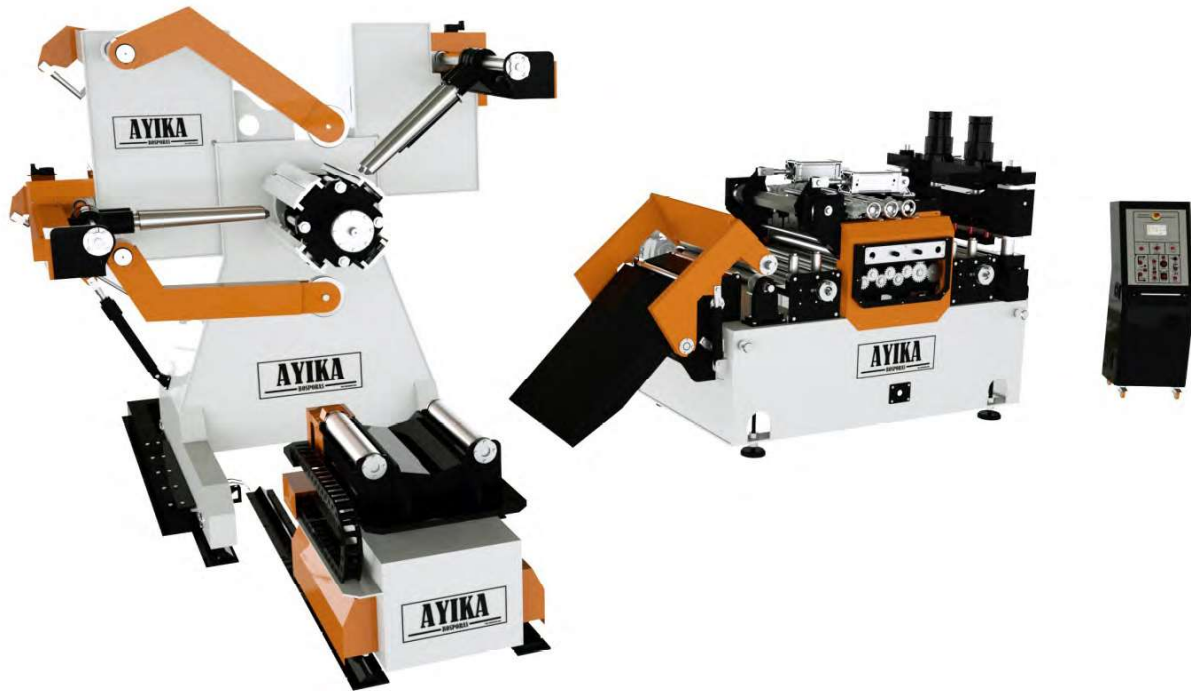
# COMPACT LINES



## 10.000 kg 11-Roller 126 Diameter Compact

Our ACS Series 11-roller compact system press feeding machines consists of 70 and 1000 millimeters of coil width, 10000 kilograms of weight and 0,4 and 8 millimeters of thickness straightener and feeding lines.

Aluminum and other soft alloys, hot and cold foilated materials, high integrity materials like carbon or stainless steel and even lamination steel can be processed in our compact system servo feeder machines.



### Options

- Snubber Arm
- Robotic Arm ( Sheet Metal Centering )
- Coil Car
- Back and Forth Movement Decoiler
- Motorized Height Adjustment
- Peeler and Shovel
- Crocodile Opening ( Roller Access )

MODEL	ACS408-6	ACS608-6	ACS808-10	ACS1008-10	ACS1308-15	ACS1608-15
Material Width	40 - 400	40 - 600	70 - 800	100 - 1000	100 - 1300	100 - 1600
Coil Weight	6.000 kg	6.000 kg	10.000 kg	10.000 kg	15.000 kg	15.000 kg
Material Thickness	0,4 - 8 (mm)	0,4 - 8 (mm)	0,5 - 8 (mm)	0,5 - 8 (mm)	0,5 - 8 (mm)	0,5 - 8 (mm)
Pinch Roller Quantity and Diameter	4 and 126	4 and 126	4 and 126	4 and 126	4 and 126	4 and 126
Straightener Roller Quantity and Diameter	7 and 84	7 and 84	7 and 84	7 and 84	7 and 84	7 and 84
Speed	32 m / min.	32 m / min.	32 m / min.	32 m / min.	32 m / min.	32 m / min.
Inner Coil Diameter	480 / 620	480 / 620	480 / 620	480 / 620	480 / 620	480 / 620
Inner Coil Diameter Tightening	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Outer Coil Diameter	1400 (mm)	1400 (mm)	1400 (mm)	1400 (mm)	1400 (mm)	1400 (mm)
Coil Car	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Control System	Servo	Servo	Servo	Servo	Servo	Servo

# COMPACT LINES



## 15.000 kg 11-Roller 126 Diameter Compact

Our ACS Series 11-roller compact system press feeding machines consists of 100 and 1600 millimeters of coil width, 15000 kilograms of weight and 0,4 and 8 millimeters of thickness straightener and feeding lines.

Aluminum and other soft alloys, hot and cold foilated materials, high integrity materials like carbon or stainless steel and even lamination steel can be processed in our compact system servo feeder machines.



### Options

- Snubber Arm
- Robotic Arm ( Sheet Metal Centering )
- Coil Car
- Back and Forth Movement Decoiler
- Motorized Height Adjustment
- Peeler and Shovel
- Crocodile Opening ( Roller Access )

MODEL	ACS408-6	ACS608-6	ACS808-10	ACS1008-10	ACS1308-15	ACS1608-15
Material Width	40 - 400	40 - 600	70 - 800	100 - 1000	100 - 1300	100 - 1600
Coil Weight	6.000 kg	6.000 kg	10.000 kg	10.000 kg	15.000 kg	15.000 kg
Material Thickness	0,4 - 8 (mm)	0,4 - 8 (mm)	0,5 - 8 (mm)	0,5 - 8 (mm)	0,5 - 8 (mm)	0,5 - 8 (mm)
Pinch Roller Quantity and Diameter	4 and 126	4 and 126	4 and 126	4 and 126	4 and 126	4 and 126
Straightener Roller Quantity and Diameter	7 and 84	7 and 84	7 and 84	7 and 84	7 and 84	7 and 84
Speed	32 m / min.	32 m / min.	32 m / min.	32 m / min.	32 m / min.	32 m / min.
Inner Coil Diameter	480 / 620	480 / 620	480 / 620	480 / 620	480 / 620	480 / 620
Inner Coil Diameter Tightening	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Outer Coil Diameter	1400 (mm)	1400 (mm)	1400 (mm)	1400 (mm)	1400 (mm)	1400 (mm)
Coil Car	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Control System	Servo	Servo	Servo	Servo	Servo	Servo

# DECOILING- STRAIGHTENING- FEEDING SYSTEMS



# DECOILING-STRAIGHTENING-FEEDING SYSTEMS



## Decoiling-Straightening-Feeding Systems

Our 7-roller straightener servo feeders work between 300 and 1600 millimeters of coil width and 0,5 and 4 millimeters of thickness. All of our straightener servo machines has piloting system and, feeding and straightener rollers work in collaboration with it. Our company mass produces 7-roller models with static body and in accordance with CE regulations.



MODEL	CDS-407	CDS-607	CDS-807	CDS-1007	CDS-1307	CDS-1607
Material Width	30 - 400	40 - 600	60 - 800	100 - 1000	200 - 1300	300 - 1600
Coil Weight	2.500 kg	4.000 kg	4.000 kg	4.000 kg	6.000 kg	10.000 kg
Material Thickness	0,4 - 3 (mm)	0,4 - 3 (mm)	0,4 - 3 (mm)	0,4 - 3 (mm)	0,4 - 3 (mm)	0,4 - 3 (mm)
Pinch Roller Quantity and Diameter	2 and 84	2 and 84	2 and 84	2 and 84	2 and 84	2 and 84
Straightener Roller Quantity and Diameter	5 and 84	5 and 84	5 and 84	5 and 84	5 and 84	5 and 84
Speed	32 m / min.	32 m / min.	32 m / min.	32 m / min.	32 m / min.	32 m / min.
Inner Coil Diameter	420 / 530	480 / 530	480 / 530	480 / 530	480 / 530	480 / 530
Inner Coil Diameter Tightening	Mechanic	Mechanic	Mechanic	Mechanic	Hydraulic	Hydraulic
Outer Coil Diameter	1300 mm	1300 mm	1300 mm	1300 mm	1400 mm	1400 mm
Control System	Servo	Servo	Servo	Servo	Servo	Servo

# COIL CUT TO LENGTH LINES



# COIL CUT TO LENGTH LINES



## A1 - Cut to Length Line

Our coil cut to length line machines have capacity to fulfill the need of cutting the sheet metals between 600 and 1600 millimeters of width and, 6000 and 30000 kilograms of weight.

Before decoiler machines, the companies had to manufacture the coils as a plate. With the latest developments, they have started to manufacture them as coils. The companies started to use the decoiler machines that we developed and plating procedure according to their needs due to coils being manufactured like this. Additionally, companies got rid of sheet metal stocking and space costs.



### DKP COIL

MODEL	MATERIAL WIDTH		MATERIAL THICKNESS		SPEED (m/min.)	COIL WEIGHT TONS	COIL MEASURES		CUTTING SPEED
	MIN.	MAX.	MIN.	MAX.			INNER DIAMETER	OUTER DIAMETER	
A-1 SERIES	500 mm	1500 mm	0,5 mm	3 mm	40 / 120	6 / 20	480 / 620	1400 mm	24 pcs./min.

### STAINLESS

MODEL	MATERIAL WIDTH		MATERIAL THICKNESS		SPEED (m/min.)	COIL WEIGHT TONS	COIL MEASURES		CUTTING SPEED
	MIN.	MAX.	MIN.	MAX.			INNER DIAMETER	OUTER DIAMETER	
A-1 SERIES	500 mm	1500 mm	0,5 mm	1,5 mm	40 / 120	6 / 20	480 / 620	1400 mm	24 pcs./min.



# COIL CUT TO LENGTH LINES



## A2 - Cut to Length Line

Our coil cut to length line machines have capacity to fulfill the need of cutting the sheet metals between 600 and 1600 millimeters of width and, 6000 and 30000 kilograms of weight.

Before decoiler machines, the companies had to manufacture the coils as a plate. With the latest developments, they have started to manufacture them as coils. The companies started to use the decoiler machines that we developed and plating procedure according to their needs due to coils being manufactured like this. Additionally, companies got rid of sheet metal stacking and space costs.



### DKP COIL

MODEL	MATERIAL WIDTH		MATERIAL THICKNESS		SPEED (m/min.)	COIL WEIGHT TONS	COIL MEASURES		CUTTING SPEED
	MIN.	MAX.	MIN.	MAX.			INNER DIAMETER	OUTER DIAMETER	
A-2 SERIES	500 mm	1500 mm	0,5 mm	4 mm	50 / 120	6 / 20	480 / 620	1400 mm	145 pcs./min.

### STAINLESS

MODEL	MATERIAL WIDTH		MATERIAL THICKNESS		SPEED (m/min.)	COIL WEIGHT TONS	COIL MEASURES		CUTTING SPEED
	MIN.	MAX.	MIN.	MAX.			INNER DIAMETER	OUTER DIAMETER	
A-2 SERIES	500 mm	1500 mm	0,5 mm	2,5 mm	50 / 120	6 / 20	480 / 620	1400 mm	145 pcs./min.

# COIL CUT TO LENGTH LINES



## B2 - Cut to Length Line

Our coil cut to length line machines have capacity to fulfill the need of cutting the sheet metals between 600 and 1600 millimeters of width and, 6000 and 30000 kilograms of weight.

Before decoiler machines, the companies had to manufacture the coils as a plate. With the latest developments, they have started to manufacture them as coils. The companies started to use the decoiler machines that we developed and plating procedure according to their needs due to coils being manufactured like this. Additionally, companies got rid of sheet metal stocking and space costs.



### DKP COIL

MODEL	MATERIAL WIDTH		MATERIAL THICKNESS		SPEED (m/min.)	COIL WEIGHT TONS	COIL MEASURES		CUTTING SPEED
	MIN.	MAX.	MIN.	MAX.			INNER DIAMETER	OUTER DIAMETER	
B-2 SERIES	500 mm	1500 mm	0,3 mm	2 mm	60 / 120	6 / 20	480 / 620	1400 mm	145 pcs./min.

### STAINLESS

MODEL	MATERIAL WIDTH		MATERIAL THICKNESS		SPEED (m/min.)	COIL WEIGHT TONS	COIL MEASURES		CUTTING SPEED
	MIN.	MAX.	MIN.	MAX.			INNER DIAMETER	OUTER DIAMETER	
B-2 SERIES	500 mm	1500 mm	0,3 mm	2 mm	60 / 120	6 / 20	480 / 620	1400 mm	145 pcs./min.

# COIL CUT TO LENGTH LINES



## C2 - Cut to Length Line

Our coil cut to length line machines have capacity to fulfill the need of cutting the sheet metals between 600 and 1600 millimeters of width and, 6000 and 30000 kilograms of weight.

Before decoiler machines, the companies had to manufacture the coils as a plate. With the latest developments, they have started to manufacture them as coils. The companies started to use the decoiler machines that we developed and plating procedure according to their needs due to coils being manufactured like this. Additionally, companies got rid of sheet metal stocking and space costs.



### DKP COIL

MODEL	MATERIAL WIDTH		MATERIAL THICKNESS		SPEED (m/min.)	COIL WEIGHT TONS	COIL MEASURES		CUTTING SPEED
	MIN.	MAX.	MIN.	MAX.			INNER DIAMETER	OUTER DIAMETER	
C-2 SERIES	500 mm	1500 mm	0,3 mm	2 mm	60 / 120	6 / 20	480 / 620	1400 mm	145 pcs./min.

### STAINLESS

MODEL	MATERIAL WIDTH		MATERIAL THICKNESS		SPEED (m/min.)	COIL WEIGHT TONS	COIL MEASURES		CUTTING SPEED
	MIN.	MAX.	MIN.	MAX.			INNER DIAMETER	OUTER DIAMETER	
C-2 SERIES	500 mm	1500 mm	0,3 mm	2 mm	60 / 120	6 / 20	480 / 620	1400 mm	145 pcs./min.

# COIL CUT TO LENGTH LINES



## D3 - Cut to Length Line

Our coil cut to length line machines have capacity to fulfill the need of cutting the sheet metals between 600 and 1600 millimeters of width and, 6000 and 30000 kilograms of weight.

Before decoiler machines, the companies had to manufacture the coils as a plate. With the latest developments, they have started to manufacture them as coils. The companies started to use the decoiler machines that we developed and plating procedure according to their needs due to coils being manufactured like this. Additionally, companies got rid of sheet metal stocking and space costs.



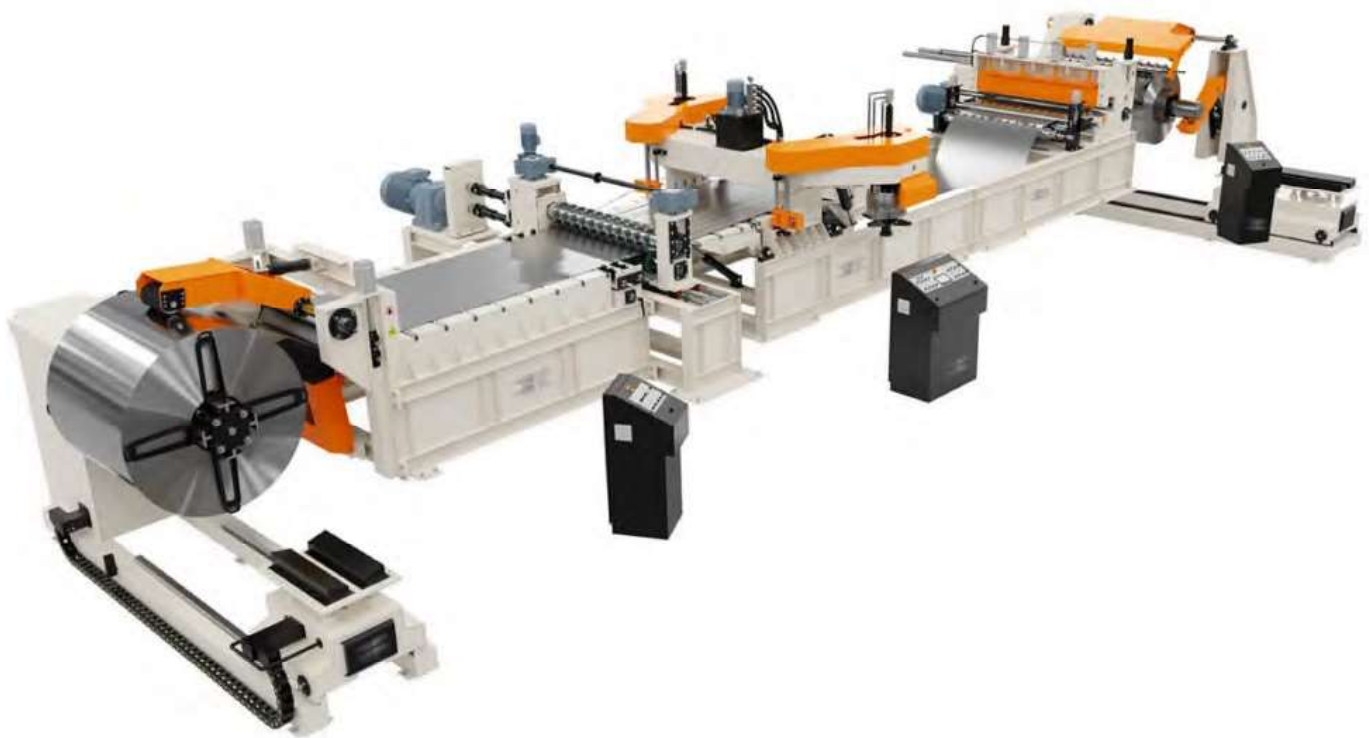
### DKP COIL

MODEL	MATERIAL WIDTH		MATERIAL THICKNESS		SPEED (m/min.)	COIL WEIGHT TONS	COIL MEASURES		CUTTING SPEED
	MIN.	MAX.	MIN.	MAX.			INNER DIAMETER	OUTER DIAMETER	
D-3 SERIES	500 mm	2000 mm	1 mm	6 mm	40 / 120	6 / 20	480 / 620	1400 mm	30 pcs./min.

### STAINLESS

MODEL	MATERIAL WIDTH		MATERIAL THICKNESS		SPEED (m/min.)	COIL WEIGHT TONS	COIL MEASURES		CUTTING SPEED
	MIN.	MAX.	MIN.	MAX.			INNER DIAMETER	OUTER DIAMETER	
D-3 SERIES	500 mm	2000 mm	1 mm	6 mm	40 / 120	6 / 20	480 / 620	1400 mm	30 pcs./min.

# COIL SLITTING LINES

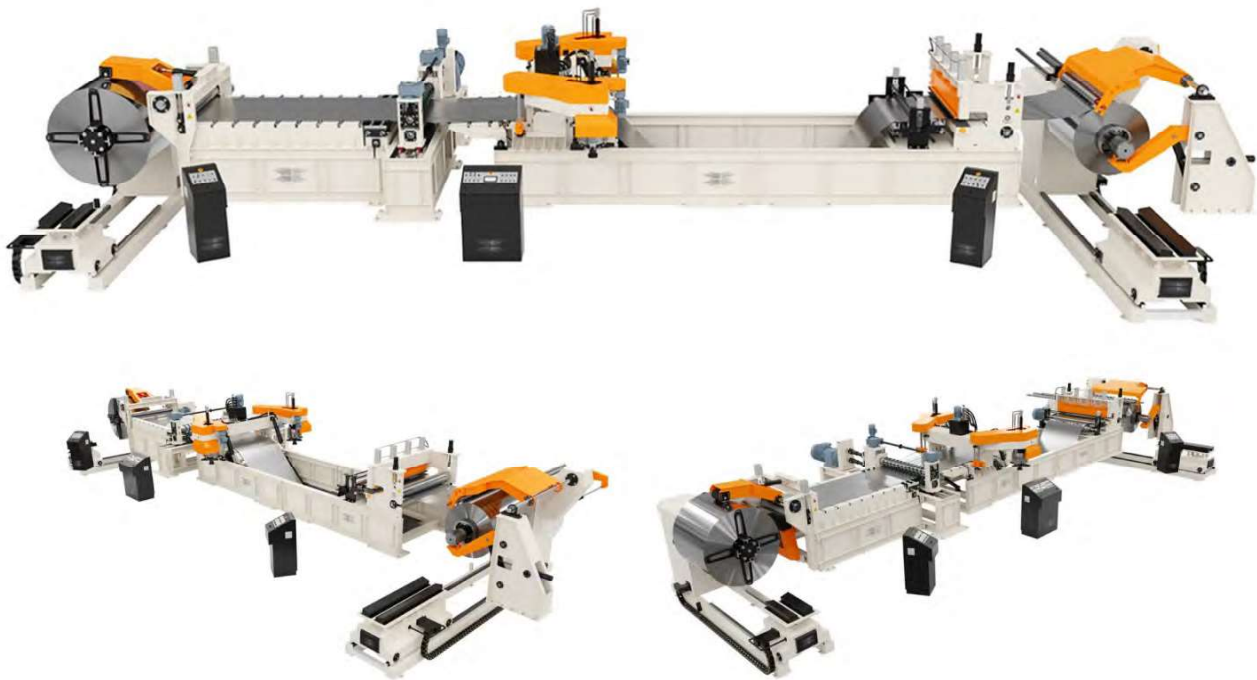


# COIL SLITTING LINES



## Coil Slitting Line

BOSPORAS ADM-1600 coil slitting line, allows sheet metal materials to slit easily, heavy tonnage work to be done and user operator to work faster, easier and productive thanks to our technical team developing it with high-end technologies.



ADM	MATERIAL WIDTH		MATERIAL THICKNESS (IN mm)		SPEED (m/min.)	COIL WEIGHT TONS	COIL MEASURES	
	MIN.	MAX.	MIN.	MAX.			INNER DIAMETER	OUTER DIAMETER
1	100	400	0,1	3 mm	80/150	4/6	480	530
2	100	600	0,1	4 mm	80/150	6/10	480	620
3	200	1000	0,30	6 mm	80/150	10/20	480	620
4	300	1500	0,30	3 mm	80/150	15/20	480	620
5	300	1500	0,30	6 mm	80/150	15/20	480	620
6	500	2000	0,30	3 mm	80/150	30	480	620
7	500	2000	0,30	6 mm	80/150	30	480	620

# LEVELERS



# LEVELER

## DELICATE STRAIGHTENER



### Leveler - Delicate Straightener Lines

Deformations that are created by utilizing thermal cutting process causes metal materials to lose their flat form. The materials which are cut by a laser, plasma or oxygen cutter that utilize thermal process can become almost impossible to be in a desired flat form again. This is no longer an issue with the new generation leveler technology. Our new generation leveler touches almost every point of the sheet metal material and can smart process. That way, skewed or crooked material can be straightened.



DELICATE STRAIGHTENING

OTHER STRAIGHTENING

DELICATE STRAIGHTENING

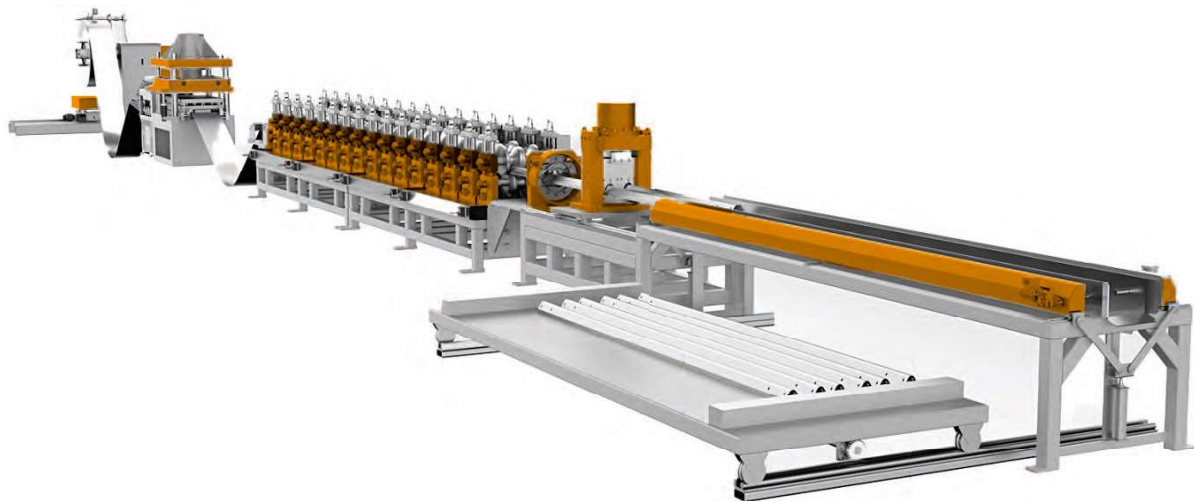
OTHER STRAIGHTENING



MODEL	MATERIAL WIDTH (IN mm)	MATERIAL THICKNESS (IN mm)		FREE SPEED (m/min.)	PINCH ROLLER QUANTITY	PINCH ROLLER DIAMETER	STRAIGHTENER ROLLER DIAMETER	STRAIGHTENER ROLLER QUANTITY	LOWER ROLLER QUANTITY	UPPER ROLLER QUANTITY	SUPPORT REEL QUANTITY
		MIN.	MAX.								
L-AYK	200 - 2000 mm	1 mm	15 mm	32	4	126	55	19	10	9	190
L-AYK	200 - 2000 mm	1 mm	6 mm	32	4	126	84	9	5	4	22
L-AYK	200 - 2000 mm	1 mm	10 mm	32	4	156	104	9	5	4	22



# ROLL FORMING LINES

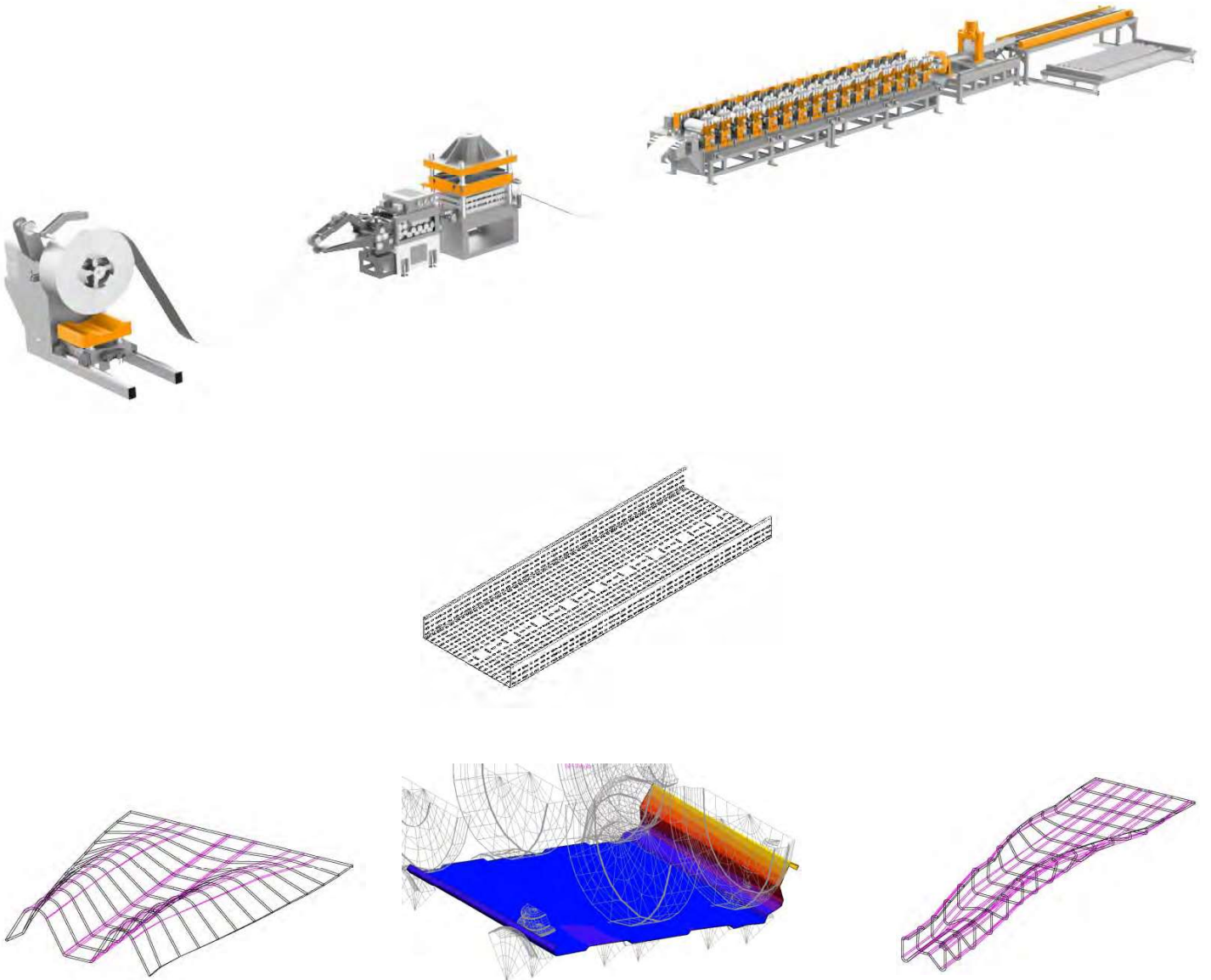


# ROLL FORMING LINES



## Roll Forming Line

Our Roll Forming Machines work between 20 and 1600 millimeters of width and 0,2 and 5 millimeters of thickness.  
Line Speed is up to 25 m / min.



# ROLL FORMING LINES



## Cable Tray Production Line

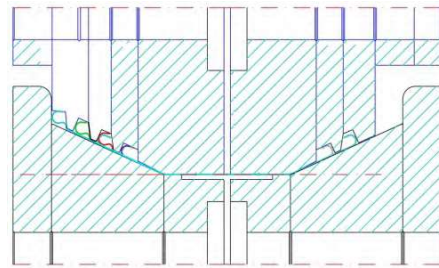
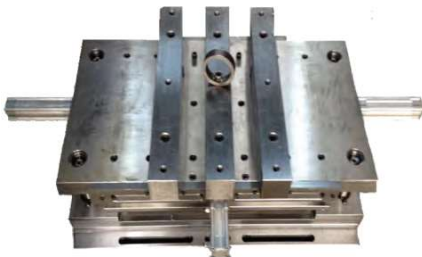
Cable Tray production with web dimension from 50 mm up to 900 mm.

Our roll form machine is double-sided and adjustable.

Production can be done with automatic programmable web and flange dimension.

Perforation pattern can be adjusted.

Production speed capacity is 16 m / min.

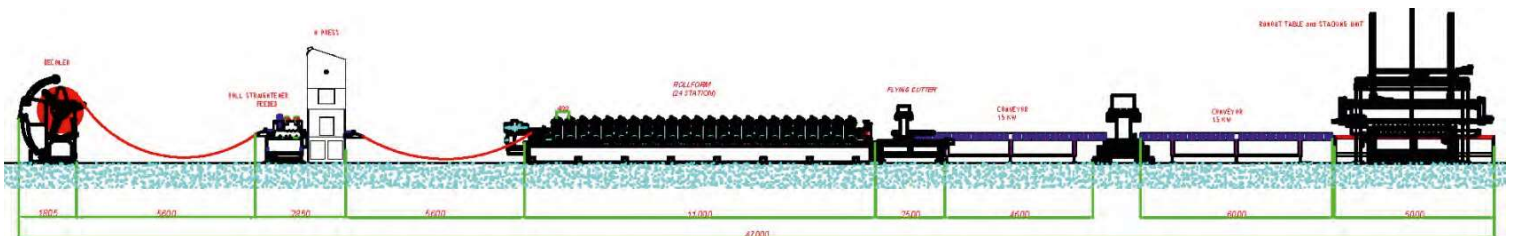


# ROLL FORMING LINES



## Scaffolding Production Line

Production Lines with capacities of 300 - 600 mm width, 1,5 - 2 mm thickness and 4 - 6 tons coil weight capacity. Scaffolding Boards are used in indoor and outdoor areas of industrial plants since they are non-slippery, water resistant, hygienic, resistant to environmental factors and ergonomic.

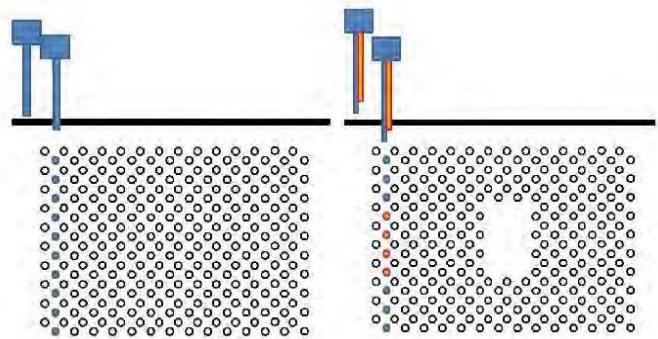


# ROLL FORMING LINES



Highway Acoustic Panel Production Line

Thickness Range 0.4 – 1.2 mm Aluminum and Carbon Steel widths up to 1250 mm.



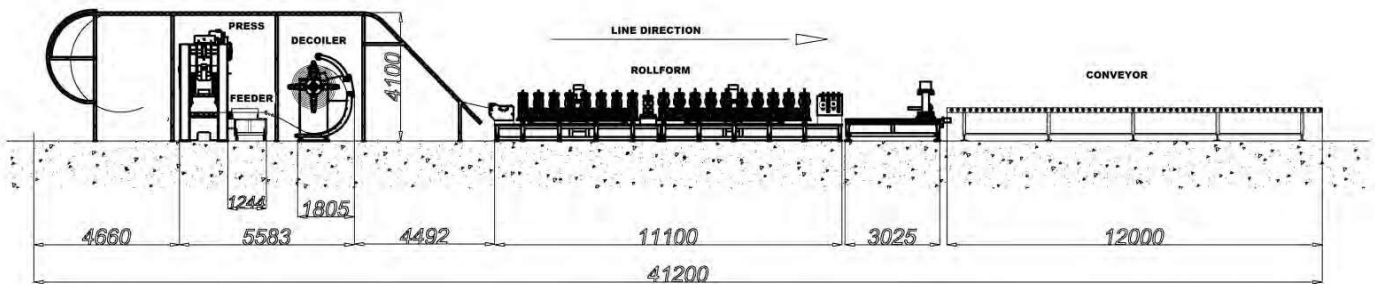
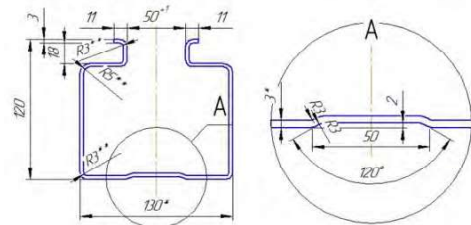
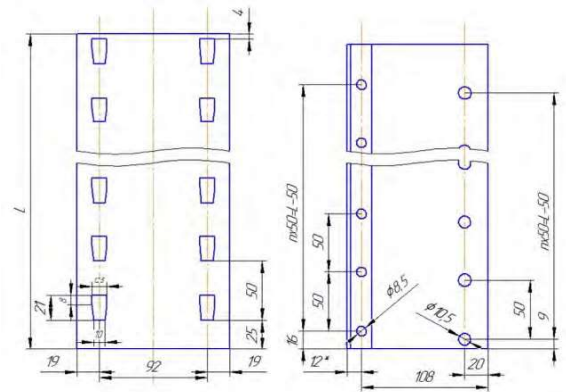
# ROLL FORMING LINES



Storage Rack & Market Shelf Production Line

High production speed with Fly Shear System.

Vertical and horizontal profiles can be produced on the same line.



# ROLL FORMING LINES

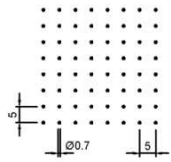


## Suspended Ceiling Production Line

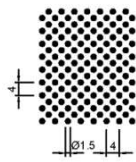
Suspended Ceiling Panels of Clip-in, Lay-in and Lay-on models are manufactured in dimensions 300x300, 600x600 and 600x1200 mm.

Custom-sized Suspended Ceiling Panels can be designed up to 2000 mm width.

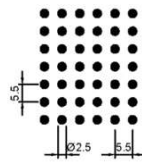
	Steel 0,5	Steel 0,6	Steel 0,7	Steel 0,9	Aluminum 0,58	Aluminum 0,78	Aluminum 1,5
Rg 0,7 - 5 mm (RG 0701)	+	+	+	N/A	+	+	N/A
Rd 1,5- 4 mm (RG 0701)	+	+	+	+	+	+	+
Rg 2,5 - 5,5 mm (RG 0701)	+	+	+	+	+	+	+



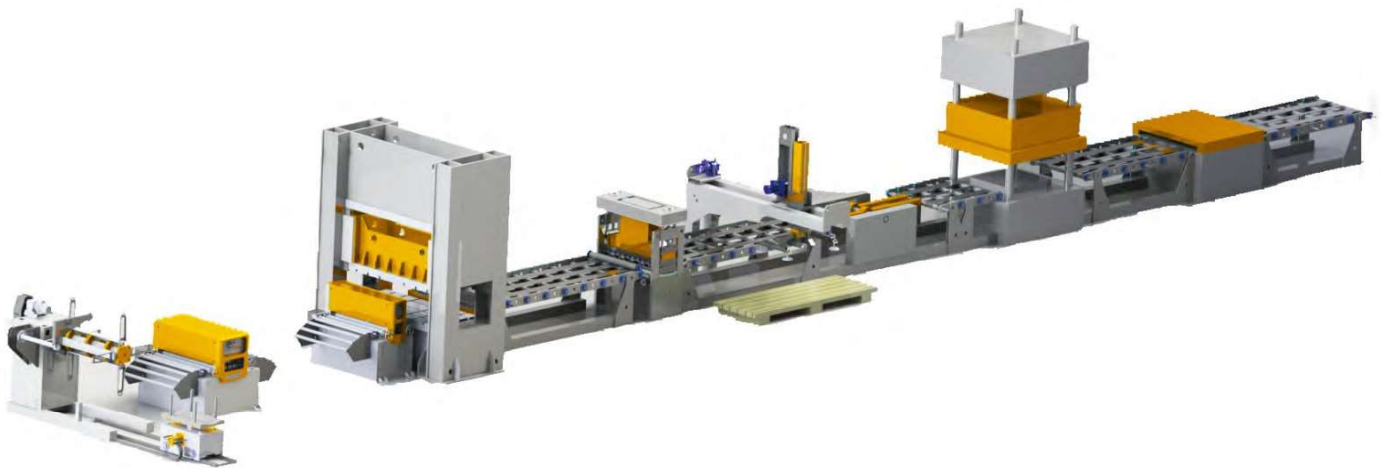
RG 0701



RD 1522



RG 2516

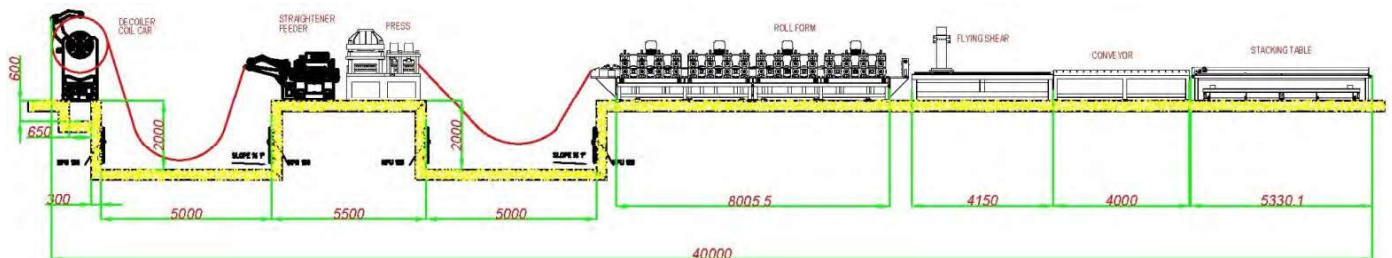
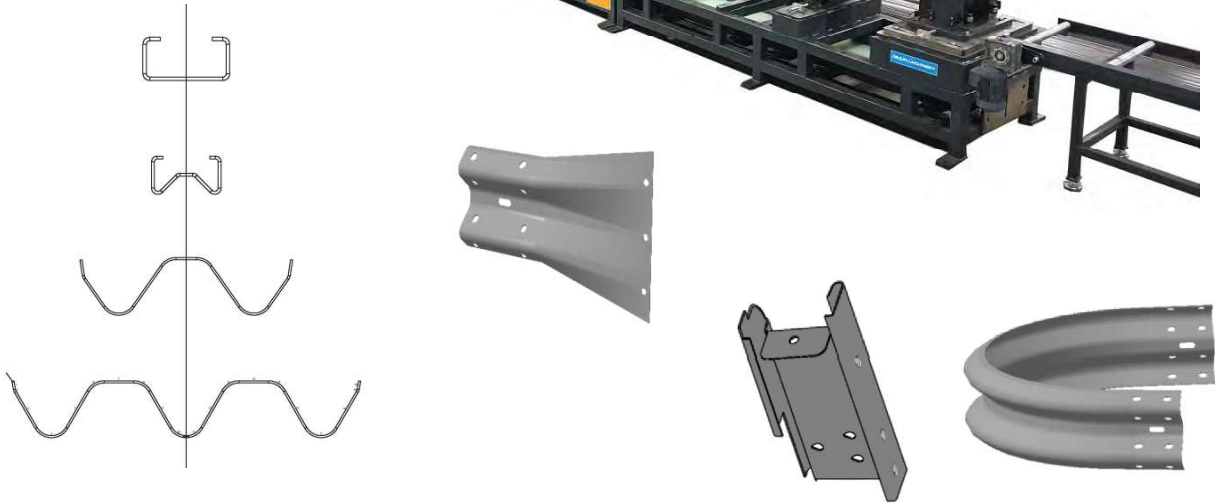


# ROLL FORMING LINES



## Guard Rails (Road Barrier) Production Line

Production of A-Ray (2N), 3N, B-Ray, Sigma, Omega, C Profiles at range 2 – 5 mm thickness.





# ROLL FORMING LINES



## Shutter Production Lines

Shutters are highly preferred in limited places such as Store Doors due to their durability and foldability characteristics. High production speed is achieved with Fly Shear Cutting System.



## Hose & Duct Clamp And Other Connection Parts Production Lines

Production Lines of all types of connection parts in different shapes and sizes.



# OUR CERTIFICATES





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 ayika group

  
B O S P O R A S  


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