

2020

CATALOG OF SHEET METAL WORKING MACHINES

You can get more information about our machines from website:
WWW.EVOLUTIONER.EU



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UNIVERSAL MANUAL BENDING MACHINES «MB»

01



Models: 1400mm, 2150mm, 2650mm, 3150mm

Universal manual bending machines "MB" have removable upper bar and it can be changed to another bars with different forms and options. So you can install segmented bar and it lets you to use our bending machine as segmented folder to make boxes, facade cassettes etc. Or you can put bar for making corrugated panels to produce corrugated sheets for fences, roofs etc. With standard bar you can produce standard roofing and ventilation elements with our machine. So it lets you to use machine in different ways and to save money from purchasing additional equipment.

TECHNICAL SPECIFICATIONS:

Model	Maximum bending capacity, mm	Bending angle	Bending length	Weight, kg	Dimensions, mm
MB-1400	Carbon steel - 1,2	135	1400mm	170	1800x700x1200
MB-2150	Carbon steel - 1,0	135	2150mm	210	2600x700x1200
MB-2650	Carbon steel - 0,8	135	2650mm	240	2900x700x1200
MB-3150	Carbon steel - 0,7	135	3150mm	270	3600x700x1200

STANDARD SET:

- bending machine
- cross cutting knife
- alidade
- alidade limiter
- back table
- front limiters
- side handles
- wheels

ADDITIONAL EQUIPMENT:

- pedals
- shock absorber
- 180 degrees hand bending tool
- segmented bar
- equipment for bending corrugated sheets

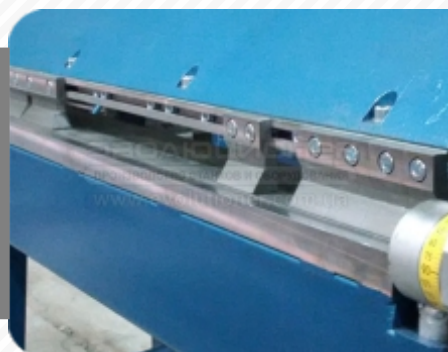
CROSS CUTTING KNIFE



SHOCK ABSORBER



SEGMENTED BAR



RECEPTION TABLE



PEDAL MECHANISM



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02

SEGMENTED MANUAL FOLDING MACHINE «SM»



CROSS CUTTING KNIFE



SEGMENTED BAR



SEGMENTED BAR



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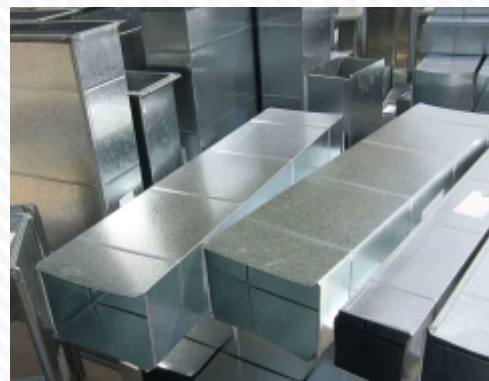


PEDAL MECHANISM



Models: 1270mm, 1550mm, 2020mm

Segmented manual folding machine «SM» is used for bending metal sheet's elements from all four sides, such as boxes, facade cassettes etc. Machine has segmented upper and bottom bars so you can put segments in the way you need to adjust machine for bending necessary elements.



MACHINE HAS SEGMENTED UPPER AND BOTTOM BARS

TECHNICAL SPECIFICATIONS:

Model	Maximum metal thickness, mm	Max.bending angle	Bending length, mm	Weight, kg	Dimensions, mm
SM 1270	Carbon steel - 2,0	135	1270	350	1600x700x1200
SM 1550	Carbon steel - 1,7	135	1550	500	1900x800x1200
SM 2020	Carbon steel - 1,2	135	2020	650	2400x800x1200

Upper bar can be lifted to 40mm height, so it lets to put heigh elements under it while bending.

As additional options we offer multifunctional back table, alidade four positions limiter, cross cutting knife, hardening of segments, raising of upper segments height.

MANUAL GUILLOTINE «MG»

03



Models: 1010mm, 1270mm, 1550mm, 2010mm

Advantage of manual guillotine comparing cross cutting knife from bending machine is ability to cut metal sheets faster and to get much better quality of products while cutting.

There are special back fixators on the machine so you can adjust them to get necessary cutting dimensions. There is also special eccentric fixation system to fix metal sheets before cutting so it doesn't let it to move while cutting.

TECHNICAL SPECIFICATIONS:

Model	Maximum metal thickness, mm	Cutting length, mm	Weight, kg	Dimensions, mm
MG-1000	Carbon steel - 1,0	1000	110	1300x1000x1400
MG-1250	Carbon steel - 1,0	1250	140	1400x1000x1400
MG-1500	Carbon steel - 1,0	1500	160	1900x1000x1400
MG-2100	Carbon steel - 1,0	2100	180	2300x1000x1400

Knives of guillotine are made of tool steel with necessary hardening and grinding processes.

Knives have four working edges so if one of them is not sharp any more-you can easily use another one for cutting. As additional option we offer to get multifunctional table so it lets you to cut different sheets lengths in different machine zones.

PREMIUM QUALITY KNIVES



EASY ADJUSTABLE



SHEET PESSING



RECEPTION TABLE



STRONG BASE



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PLATE BENDING MACHINE, MODEL «B»



STRONG BASE



SLOT IN THE SHAFT



EASY MECHANISM



STRONG BASE



LOW WEIGHT



Models: 1300mm, 2000mm

Plate bending machine is used to make pipes for drainage systems, ventilation systems, chimney systems. Besides pipes production it's possible to make gutters with our plate bending machine.

Rolls diameter 62mm, so it lets to make pipes from 90mm diameter

TECHNICAL SPECIFICATIONS:

Model	Maximum metal thickness, mm	Bending length, mm	Weight, kg	Dimensions, mm
B-2000	Carbon steel - 0.8	2000	200	2600x1000x1200
B-1300	Carbon steel - 1	1270	130	1800x1000x1200

You can easily adjust distances between rolls to set up diameter of pipe you need to produce. To make easier process of ready pipe's taking off from the machine there is special eccentric mechanism to lift the upper roll up.

There is a slot on the upper roll of the machine so it lets to make pipe's lock with our plate bending machine without using additional machines

PLATE ROLLING MACHINE, "PRM" and "EPRM"

05



Models: 1300mm

Plate rolling machine is used for making ventilation and drainage pipes from metal sheets up to 1.5mm thickness. Upper roll is manually drop off so it lets easily to take of pipe from machine when the process of rolling is finished.

TECHNICAL SPECIFICATION:

Model	Drive type	Engine Power, kW	Bending capacity, mm	Bending length	Weight, kg	Dimensions, mm
PRM-1300	Manual	...	Carbon steel -1.5	1270	150	1800x900x1200
EPRM-1300	Electric	1.1kW	Carbon steel -1.5	1270	200	1800x900x1200

We can make manual and electric variants of plate rolling machines. Thank's to electric drive the process of pipe production gets much more easier and faster.

All the works can be done by one machine operator

ELECTRIC MODEL



STRONG BASE



REMOVABLE UPPER BAR



QUALIFIED ASSEMBLING PROCESS



SIMPLE CONSTRUCTION



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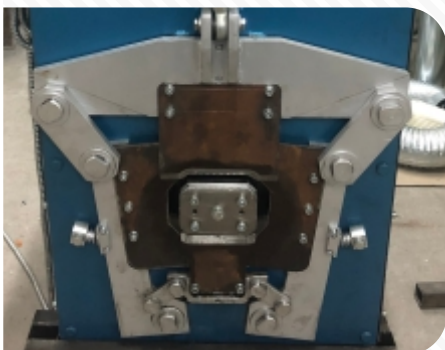
ELECTRIC ELBOW MAKING MACHINE



SIMPLE CONSTRUCTION



QUALIFIED ASSEMBLING PROCESS



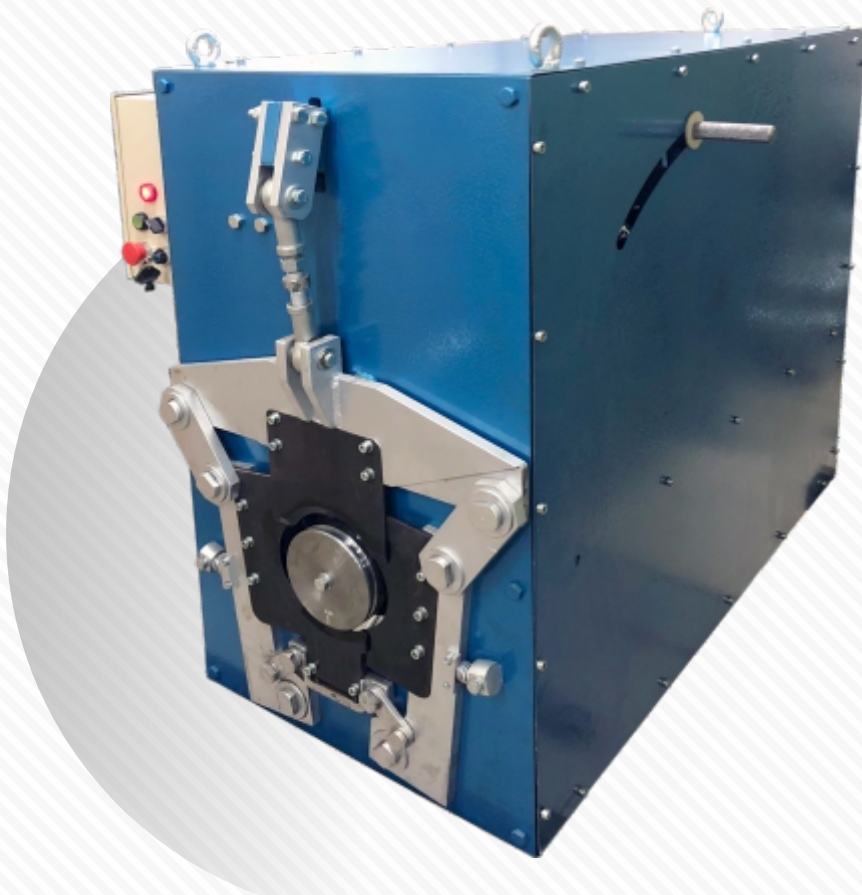
REMOVABLE NOZZLES



READY PRODUCTS



READY PRODUCTS



For bending pipes from 80 to 200mm diameters

Electric elbow making machine is used for making elbows from **round and rectangular pipes** with different diameters. Those pipes can be used in ventilation, drainage and chimney systems. Producing time of one elbow is very short so the machine helps you to save your time and to get high quality products.

Electric elbow making machine EEM-200plus has additional fourth bottom pressing tool, so it helps to make bending process more equal from all four sides so to get ready elbows with correct bended form.

TECHNICAL SPECIFICATION:

Model	Pipes diameters	Maximum matherial	Dimensions, mm	Weight, kg
EEM-200plus	80-200mm	0,7mm	1300x700x1100	350

Depending on pipe's diameter it takes about 30 seconds to produce one elbow

ROLL FORMER ROOFING MACHES «FM» AND «F3»

07

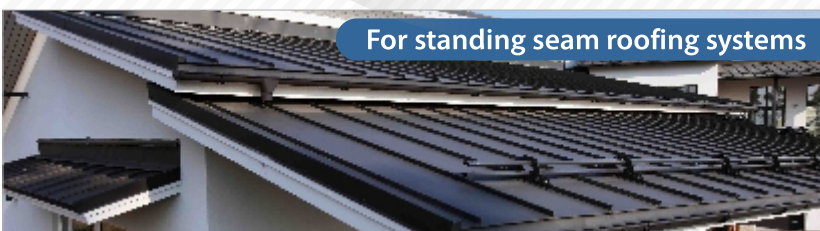


Model F3



Model FM

For standing seam roofing systems



HIGH QUALITY ROLLS

Machine can have one phase (220-240V) or 3 phase (380V) drive

Portable roll former roofing machines FM and F3 are used to form double standing seam roofing panels that for standing seam roofing systems. Thanks to small size and light construction of machine it's so easy to take it right to the working place to form roofing panels directly on place of roofing installation.

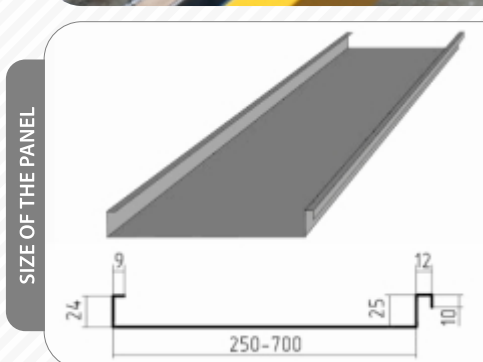
TECHNICAL SPECIFICATION:

Model	Engine power, kW	Maximum metal thickness, mm	Material width	Weight, kg	Dimensions, mm
FM	1.1kW	Carbon steel - 0.8	250-700	160	1500x900x800
F3	1.5kW	Carbon steel - 0.8	250-700	250	1600x1000x900

Easy adjustable F3 machine has 6 pairs of forming rolls. To change width of panel from one size to another you just have to rotate special screw. Adjusting process takes a few minutes

Roofing machine FM has 5 pairs of forming rolls. To change width of panel you have to change position of each roll on each shaft separately

As additional accessories you can get: ribbed panels rolls, radius panels rolls, hand seamers, electric seaming machine, cross cutting knife, floor decoiler.



SIZE OF THE PANEL



ELECTRIC SEAMING MACHINE

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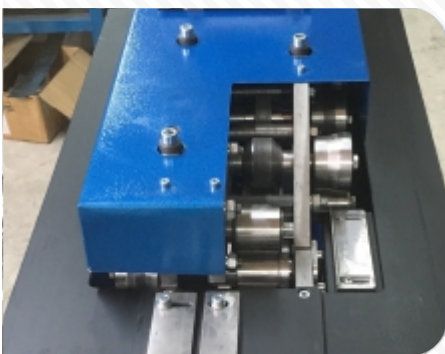
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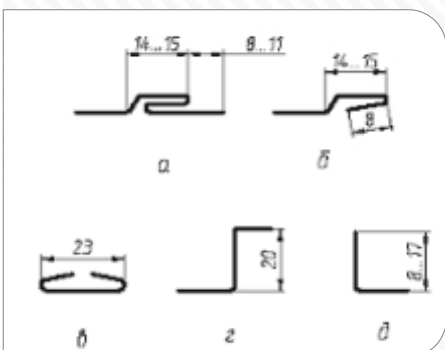
LOCK FORMING MACHINE LFM



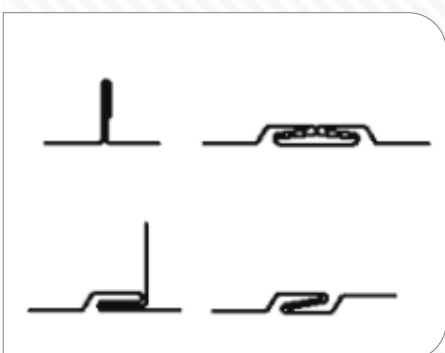
HIGH QUALITY ROLLS



QUALIFIED ASSEMBLING PROCESS



TYPES OF PROFILES



CONNECTION TYPES



STRONG BASE



Types of locks:
a-Pittsburgh lock, b-standing seam lock, c-locking pin,
d-double hem, e-single hem.

Lock forming machine is used for forming different ventilation systems locks. Adjusting of the machine from forming one type of lock to another takes very little time, so you can increase your producing ability.

TECHNICAL SPECIFICATION:

Model	Engine power, kW	Maximum metal thickness, mm	Dimensions, mm	Weight, kg
LFM	1.5	Carbon steel -1	1070x570x920	300

Rolls of machine are hardened so they have long time living period

The main difference of our lock forming machine from other manufacturers machine is possibility to form not only ventilation standing seam lock but also round pipe's lock

LFM machine allows to produce round and rectangular ventilation systems

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CUT-TO-LENGTH SLITTING MACHINES

09



Cut-to-length slitting machine is used for longitudinal cutting of metal sheets with maximum metal thickness 1mm, aluminum composite panels, paper, polycarbonate. Cutting process is possible thanks to special cutting knives that are fixed on shafts of slitting machine. Changing position of cutting knives you can set up width of cutting strips.

NUMBERS OF CUTTING KNIVES: from 2 up to 20

To cut metal into more than 5 strips we use stronger machine base so it provides best quality of cutting

TECHNICAL SPECIFICATION:

Model	Engine power, kW	Maximum metal thickness, mm	Maximum metal width, mm	Dimensions, mm	Number of strips	Weight, kg
SM	1.1-2.2	Carbon steel -1	1250	1700x900x1000	2-20	150-300

To change position of cutting knife you just have to unfix it with fixing bolt, move it to position you need and fix it with the same bolt.

As additional accessories we offer cross cutting knife for slitting machine

QUALIFIED ASSEMBLING PROCESS



MOTOR GEAR



CUTTING KNIVES



EASY ADJUSTABLE



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LOCK SEAM CLOSING MACHINES

Rotating roll lock closing machine



Moving mechanism lock closing machine

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ELECTRIC SEAM LOCK CLOSING MACHINE

TECHNICAL SPECIFICATION:

ROLL DIAMETER 80-90mm;

- **with 80 mm** roll diameter the machine has 130mm working length and it's closed from both sides while working. There is special moving closing mechanism on the machine that contacts with roll and makes possible to close standing seam lock.

- **with 90 mm** roll diameter machine has working length 1300mm, but you can close pipe's lock in 2.6m length for two operations.

Material thickness: 0,3-1,2mm

1. Drive — manual / electric (power 0.37 kW)
2. Dimensions — 2000 x 1800 x 700mm;
3. Weight — 180



IT'S POSSIBLE TO MAKE WALL FIXATION MACHINE

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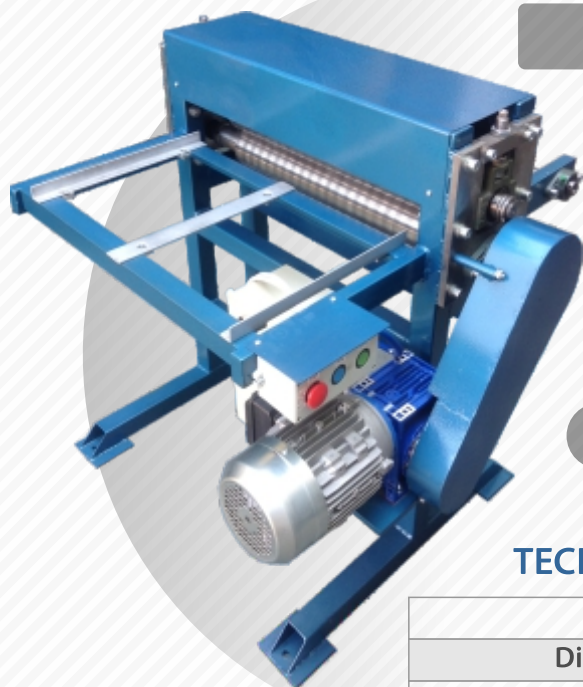
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BEADING MACHINE FOR ROOFING PANELS

12



WE MAKE THIS MACHINE ACCORDING TO CUSTOMERS PREFERENCES

Beading machine for roofing panels is used for making ribs on double standing seam roofing panels.

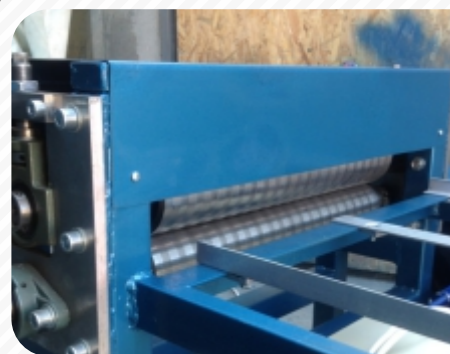
Those ribs make roofing panels more attractive and can make your roofing work much more interesting for customers.

As manufacturers we offer to our client's custom design.

NUMBER OF RIBS: FROM 1 TO 20

TECHNICAL SPECIFICATIONS:

Engine power: 1.1 kW
Dimensions (mm): 1100x520x1000mm
Metal width: 100-2000mm
Number of ribs: 1-20
Weight (kg): 130-200



SWAGING MACHINES

13



ROLLS TYPES

Good way of increasing working productivity in metal sheet working is to use swaging machines.

Electric swaging machine can be one speed and multi speed working.



ELECTRIC MODEL

Swaging machine is used in ventilation, drainage systems pipes production. When you need to make operations with pipe's end you should use swaging machine to make different operations possible.

TECHNICAL SPECIFICATIONS:

Maximum metal thickness, mm	1,2
Distance between rolls, mm	62
Maximum roll out, mm	200
Number of rolls in standard set, pair	4 (and more)
Weight, kg	30-100

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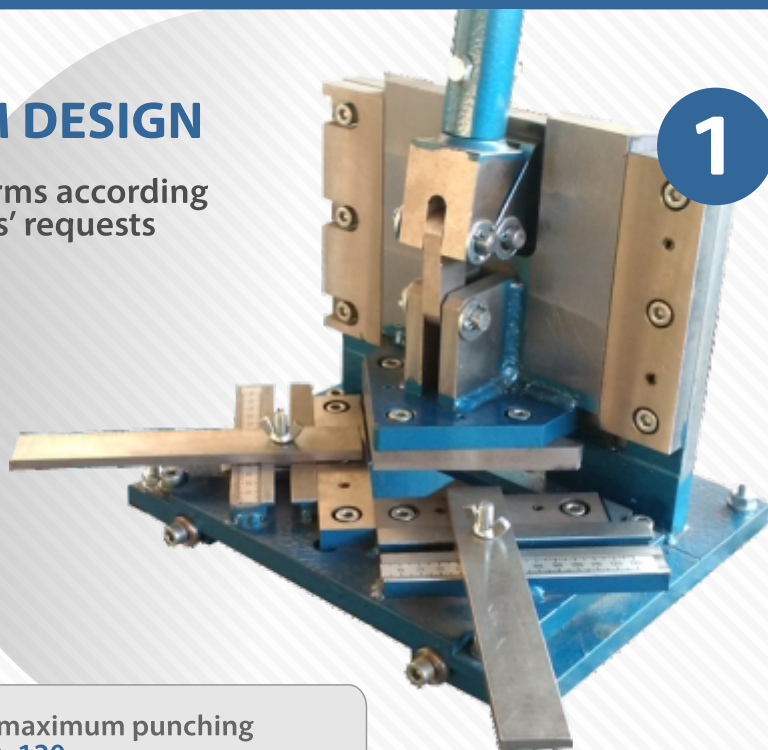
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STRONG BASE

CUSTOM DESIGN

To punch forms according to customers' requests



In standard set maximum punching detail sizes: 120x120mm



CIRCLE PUNCHING EQUIPMENT



FOR FACADE CASSETTES



FOR DIFFERENT SHAPES



HOLE PUNCHING PRESS

Manual punching press in standard set is used for punching 90 degrees angles in metal sheets for next bending them from all four sides. But thanks to special tools punching presses can punch different forms depends on customer preferences.

Punching tools are tempered so they have long time working period. We use special grinding metalworking machines to produce punching tools so we can make different punching forms possible.



TECHNICAL SPECIFICATIONS:

Model	Punching sizes	Maximum material thickn	Dimensions, mm	Weight, kg
PP	120x120mm	1.5mm	300x300x1100	30



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METAL DECOILERS

15

Metal decoilers are used for working with metal coils up to 1250mm width



FOR 21 ROLLS

It's possible to adjust inside diameter of the roll

TECHNICAL SPECIFICATIONS:

Model	Coil weight	Dimensions, mm	Weight, kg
D500	500 kg	900x600x200	50
D5t	5 tons	1900x1200x1400	170
D10t	10 tons	1900x1200x1400	200

Decoiler of metal is used to work with other machines such as: cut-to-length slitting machines, shears, plate rolling machines, folders, forming machines etc.

As an option we offer foot brake for decoilers



FOR 5T ROLLS



FOR 10T ROLLS



FOOT BRAKE

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