



WE WELCOME YOU TO VISIT OUR FACILITY AT ANY CONVENIENT TIME

Technical-Commercial Quotation

*We offer for your consideration this quotation on Metal Picket fence Plank 19 roll forming line.
All equipment is designed and manufactured by Ruscana Engineering Group.*

Metal Picket fence Plank 19 roll forming line.

Metal Picket fence Plank 19 **roll forming** line, hereinafter referred to as Equipment, is intended for roll forming galvanized light-gauge sheet metal including polymer coating

Raw material requirements:

- zinc coating to range 100...275 g/m²
- yield strength 280...320 N/mm²
- width – 156 ±1 mm (1/8 1250 mm);
- thickness – 0,45mm...0,55 mm;

Technical characteristics:

№	Description	UOM	«Basic»	«Standard»
1	Line operating mode		Manual	Manual/automatic
2	Installed power capacity no more than	kW	3	6
3	Roll forming speed no more than	m/min	15	20
4	*Electrical supply network	V	380	380
5	Dimensions (LxWxH) no more than	mm	11550x2000x1400	11550x2000x1400
6	Weight no more than	kg	2000	2500
7	Required operating personnel	persons	1 - 2	1 - 2

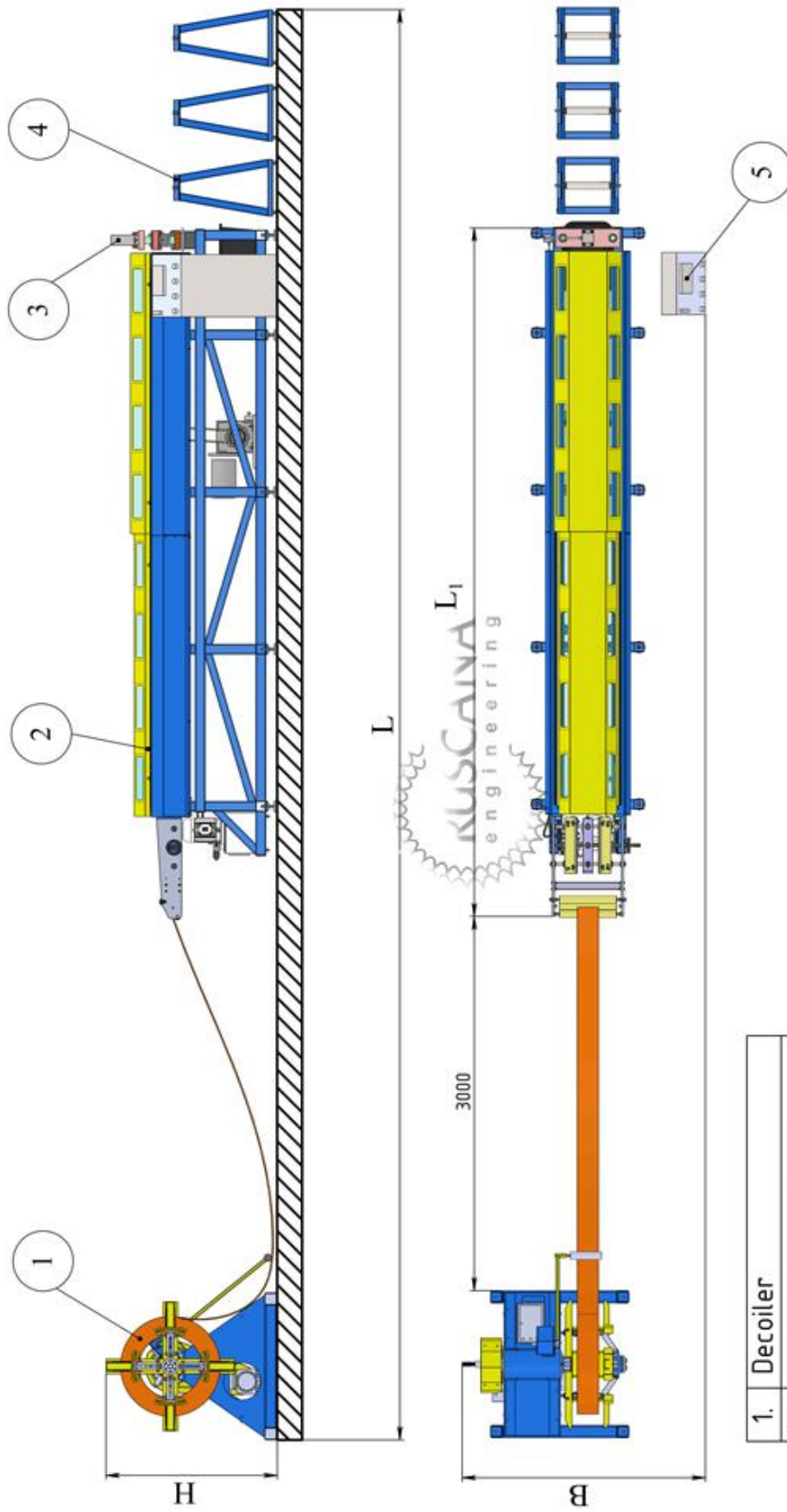
* **Electrical supply network for countries of North America:** Supply voltage at frequency of 60 Hz, 230V 3 phase

Equipment Specification:

1	Decoiler (without drive)	UOM	«Basic»	«Standard»
1.1	Type		-	Cantilevered
1.2	Installed power capacity no more than	kW	-	-
1.3	Lifting capacity, no more than	kg	-	2000
1.4	Dimensions (LxWxH) no more than	mm	-	1300x1400x1400
1.5	Mandrel expansion range, mm Coil ID Ø	mm	-	480...620 500/600
1.6	Mandrel expansion / clamping mechanism		-	Mechanical (by handle)
1.7	Weight no more than	kg	-	450

2	Roll forming section	UOM	«Basic»	«Standard»
2.1	Quantity of mill stands	pcs	11	11
2.2	Dimensions (LxWxH) no more than	mm	5550x1000x1200	5550x1000x1200
2.3	Installed power capacity no more than	kW	3	3
2.4	Roll forming speed	m/min	15	20
2.5	Rollers material		Instrument steel with heat treatment	Instrument steel with heat treatment
2.6	Protective sliding shutters		yes	yes
2.7	Weight no more than	kg	1700	1700
3	Guillotine	UOM	«Basic»	«Standard»
3.1	Type		-	hydraulic
3.2	Installed power capacity	kW	-	2,2
3.3	Cutting time	sec	-	2
3.4	Set of knives for 3D cut	pcs	-	1
4	Receiving table	UOM	«Basic»	«Standard»
4.1	Type		-	Roller base receiving table
4.2	Quantity	pcs	-	3
4.3	Dimensions (LxWxH) no more than	mm	-	490x455x865
4.4	Automatic stacking		-	-
4.5	Weight no more than	kg	-	30
5	Control System	UOM	«Basic»	«Standard»
5.1	Type		Control unit (CU)	Automatic Control System (ACS)
5.2	Hardware		Omron (Japan)	Omron (Japan)
5.3	Controlled parameters: roll forming speed, quantity/length of end products, technical cycle downtime control, production task		- - - - +	+ + + + +
5.4	Interface: English, User-friendly		-	+
5.5	Indicators: General settings, error and emergency alarms		-	+

Layout of the Single stream Metal Picket fence roll forming line



1.	Decoiler
2.	Roll forming section
3.	Guillotine
4.	Receiving table
5.	Automatic control system

Configuration of roll forming line	L1	L	B	H
Single stream	5550	11550	2000	1400

Metal Picket fence *Plank 19*

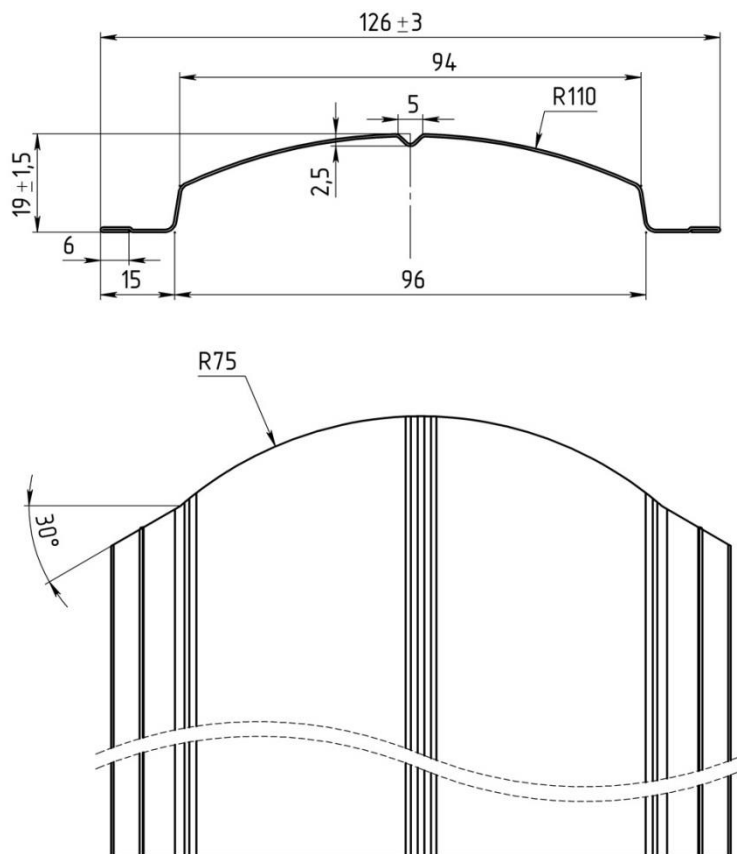


Fig.1

Equipment Specification

№	Description	UOM	«Basic»	«Standard»
			QTY	QTY
1	Metal Picket fence Plank 19 roll forming line , consisting of:	Set		
1.1	Decoiler (without drive)	pcs.	-	1
1.2	Roll forming section	pcs.	1	1
1.3	Heat treatment of profiling rollers	ea	-	1
1.4	Guillotine with set of knives for 3D cut	pcs.	-	1
1.5	Receiving table	pcs..	-	1
1.6	Control Unit (CU)	pcs.	1	-
1.7	Automatic Control System (ACS)	pcs.	-	1
2	Supervised installation and commissioning	ea	-	1

Options:

1	Additional payment for decoiler with drive 1,5 kW
2	Roller base receiving table – 1 pcs.
3	Set of knives for straight cut
4	Increase roll forming speed up to 40 m/min, “Flying cut off”