



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 Trapezium 17 roll forming line.
All equipment is designed and manufactured by Ruscana Engineering Group.*

Metal Picket fence Trapezium 17 roll forming line.

Metal Picket fence Trapezium 17 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 – 156,2 ±1 mm / 139 ±1 mm;
- thickness – 0,45mm...0,7 mm;

Technical characteristics:

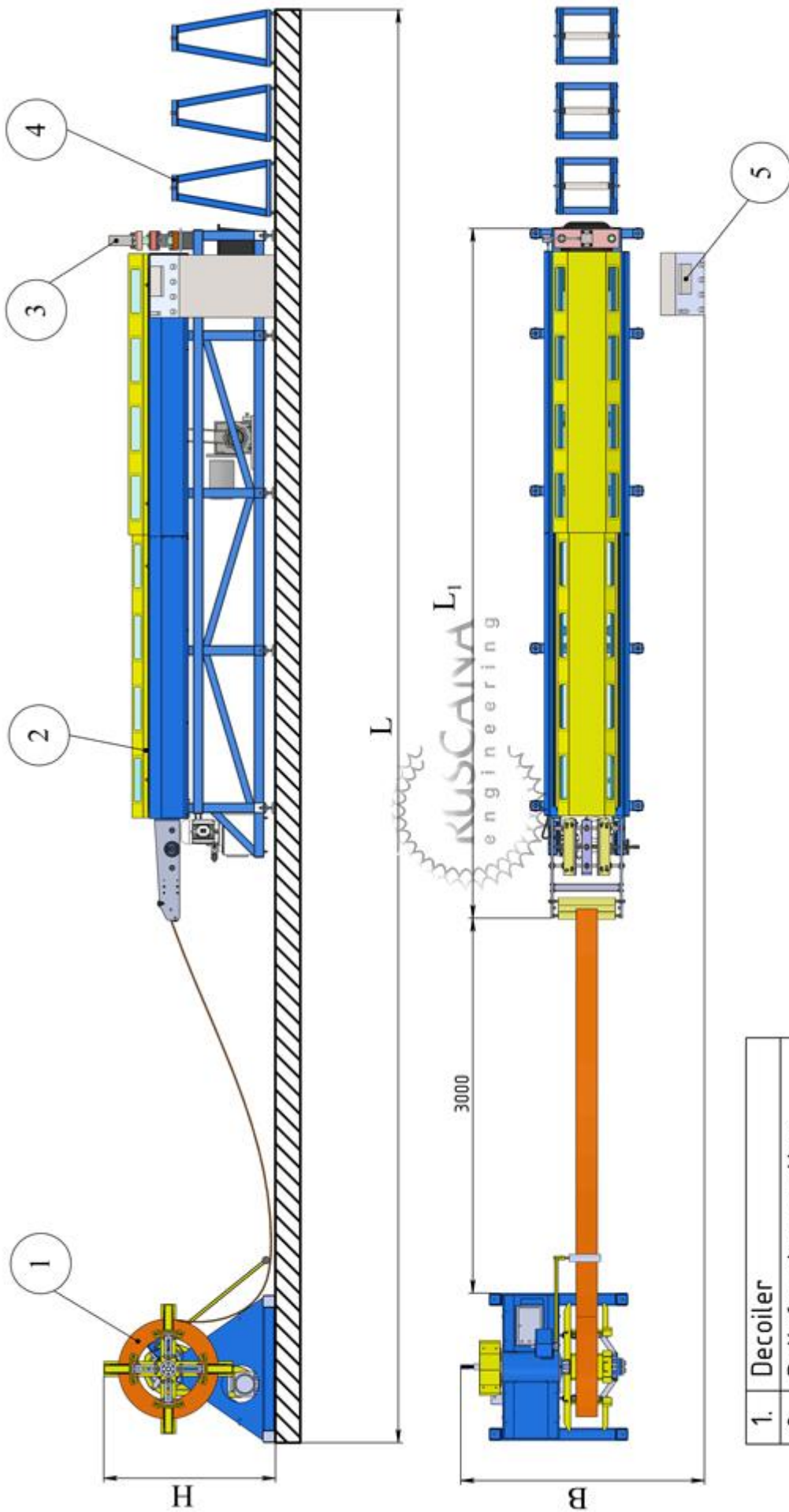
№	Description	UOM	«Standard»
1	Line operating mode		Manual/automatic
2	Installed power capacity no more than	kW	6
3	Roll forming speed no more than	m/min	20
4	Supply voltage at frequency of 50 Hz± 0,4Hz	V	220 / 380
5	Dimensions (LxWxH) no more than	mm	11550x2000x1400
6	Weight no more than	kg	2500
7	Required operating personnel	persons	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	«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	«Standard»
2.1	Quantity of mill stands	pcs	11
2.2	Dimensions (LxWxH) no more than	mm	5550x1000x1200
2.3	Installed power capacity no more than	kW	3
2.4	Roll forming speed	m/min	20
2.5	Rollers material		Instrument steel with heat treatment
2.6	Protective sliding shutters		yes
2.7	Weight no more than	kg	1700
3	Guillotine	UOM	«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	«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	«Standard»
5.1	Type		Automatic Control System (ACS)
5.2	Hardware		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

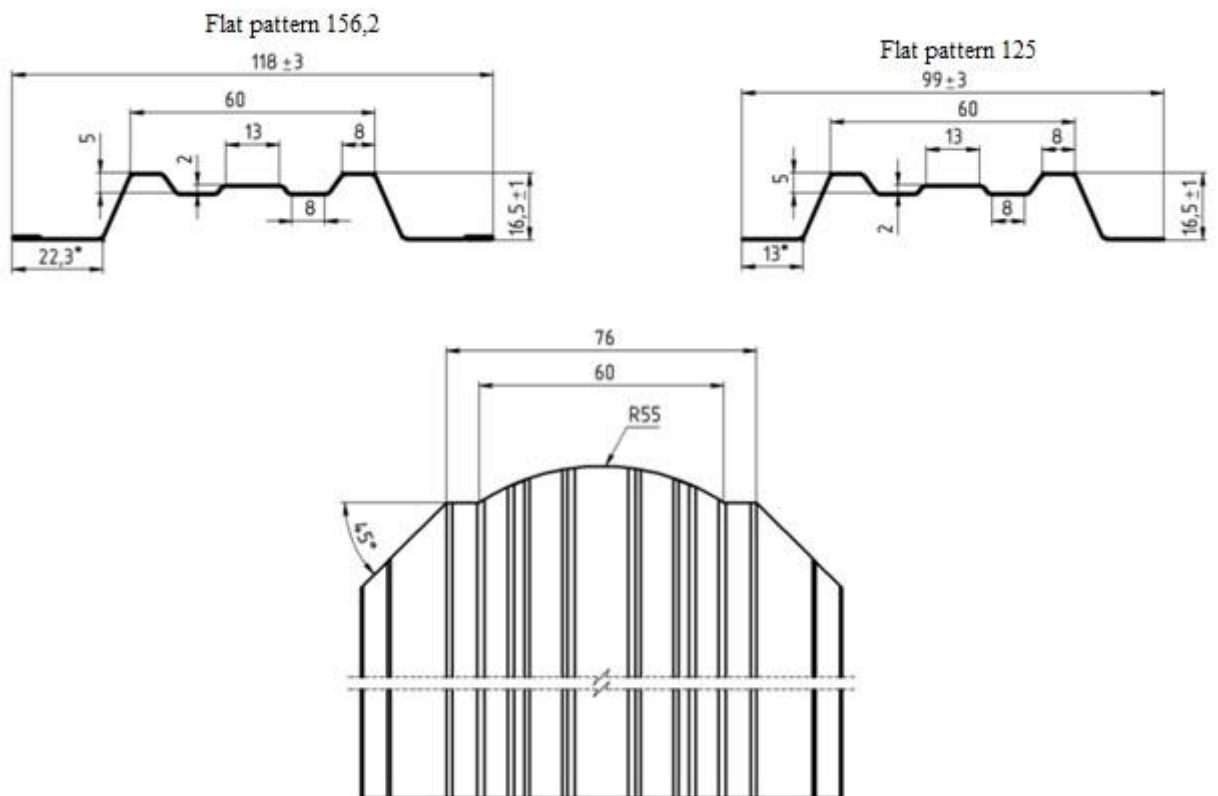


1.	Decoiler
2.	Roll forming section
3.	Guillotine
4.	Receiving table
5.	Automatic control system

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



Metal Picket fence Trapezium 17





Equipment Specification

№	Description	UOM	«Standard»
			QTY
1	Metal Picket fence Trapezium 17 roll forming line , consisting of:	Set	
1.1	Decoiler (without drive)	pcs.	1
1.2	Roll forming section	pcs.	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	Automatic Control System (ACS)	pcs.	1
1.7	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”