

MACHINES

SECOND HAND

for CUT-TO-LENGTH
up to 15 mm.



Machines for Cut-to-Length up to 15,0 mm.

MATERIAL SPECIFICATIONS

Inlet material			
Material	Hot rolled material (S235 – S355 – S420 – S500)		
Surface	Dry - PO		
Strip Thickness	Min.	2,0	mm
	Max	15,0	mm
Strip Width	Min	500	mm
	Max	2.050	mm
Elongation	Min	8	%
	Max	30	%
Yield strength (Rp 0,2%)	Max	700	MPa (up to 10,0 mm)
	Max	500	MPa (up to 12,0 mm)
	Max	400	MPa (up to 15,0 mm)
Ultimate tensile strength	Max	900	MPa (up to 10,0 mm)
	Max	600	MPa (up to 12,0 mm)
	Max	500	MPa (up to 15,0 mm)
Speed	Min	18	mpm
	Max	36	mpm
Cuts/min	Max	12	

CHARACTERISTICS OF THE LINE

Length (mm)	Thickness: 2,0 ÷ 8,0 mm		Thickness: 8,1 ÷ 15,0 mm	
	Cuts/min	mpm	Cuts/min	mpm
1.000	12	12	12	12
2.000	12	24	12	24
3.000	12	36	8	24
4.000	9	36	6	24
6.000	6	36	4	24

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SCOPE OF SUPPLY

Pos.	Machine	Status	Manufacturer
ITEM 01	STRAIGHTENER	Second Hand	FIMI
ITEM 02	BRUSHING MACHINE WITH FILTERING SYSTEM	Second Hand	SIFIN
ITEM 03	LEVELLER 1	New	FIMI
ITEM 04	LEVELLER 2	Second Hand	FIMI
ITEM 05	FLYING SHEAR	Second Hand	
ITEM 06	HYDRAULIC EQUIPMENT	Second Hand	
ITEM 07	ELECTRICAL EQUIPMENT	Second Hand	

ITEM 01 | **STRAIGHTENER**



TECHNICAL CHARACTERISTICS

Rolls	Nr. 5+1 corrector
Configuration	4-high: working rolls & back-up rolls
Upper Levelling Rolls	Nr. 2
Lower Levelling Rolls	Nr. 3
Rows of Back-up Rolls, lower and upper	Nr. 2
Rolls Diameter	200 mm.
Corrector Roll Diameter	250 mm.
Drive Shaft	Nr. 5

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ITEM 02 | **BRUSHING MACHINE WITH FILTERING SYSTEM**



ITEM 03 | **LEVELLER 1**



TECHNICAL CHARACTERISTICS

Roll Cassettes	Nr. 1
Working Range	5,0 ÷ 15,0 mm
Roll Cassette Type	4-high: working rolls & back-up rolls
Rolls Geometry	11x130p160 Nr. 11 levelling rolls diameter 130 mm
Upper Levelling Rolls	Nr. 5
Lower Levelling Rolls	Nr. 6
Rows of Back-up Rolls, lower and upper	Nr. 5
Back-up Roll Diameter	155 mm.
Driven Shafts	Nr. 11

ITEM 03 | **LEVELLER 1**



FRAME FOR CASSETTE EXTRACTION INCLUDED IN THE SUPPLY

TOTAL EXTRACTION OF ROLL CASSETTE FOR MAINTENANCE AND CLEANING

Motorized extraction of the complete roll cassette.

It consists of a facility to take out/in the complete cassette i.e., working rolls and back-up rolls.

Driven shafts remain in position.

Steel frame one position for roller cassette change over.

Steel frame positioned by means of bridge crane in front of levelling machine.

Motorized extraction rolls cassette (except shafts which remain in position).

ITEM 04 | **LEVELLER 2**



TECHNICAL CHARACTERISTICS

Working Range	2,0 ÷ 5,0 mm
Configuration	4-high: working rolls & back-up rolls
Rolls Geometry	15x80p90 Nr. 15 levelling rolls diameter 80 mm
Upper Levelling Rolls	Nr. 7
Lower Levelling Rolls	Nr. 8
Rows of Back-up Rolls, lower and upper	Nr. 7
Driven Shafts	Nr. 15

ITEM 05 | **FLYING SHEAR**



Flying shear consisting of guillotine upper blade actuated by clutch engaging the rotation of the motor when the cut must be performed.

Moveable carriage operated by AC motor.

Measuring wheel included on entry table.

Blade gap adjustable by HMI depending on material thickness.

Similar machine:

ITEM 06 | **HYDRAULIC EQUIPMENT**



Second hand HPU composed of 4 pumps variable flow type, recirculation with air-oil heat exchanger.

Valve stands for each machine are included and mounted on board to the machines.

ITEM 07 | ELECTRICAL EQUIPMENT



Second hand electrical cubicles with PLC, drives, pulpits with HMI and command controls.

Included in the supply also:

- Uncoiler DC motor.
- Pinch-roll DC motor.