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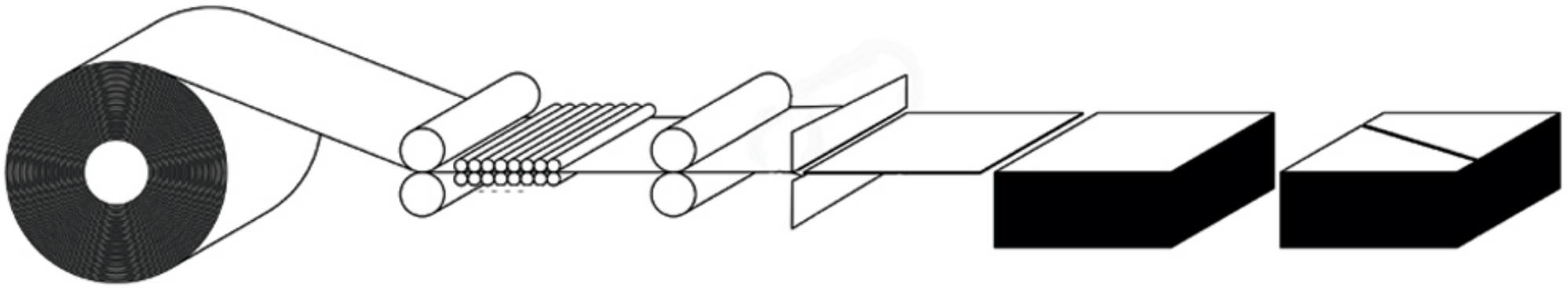
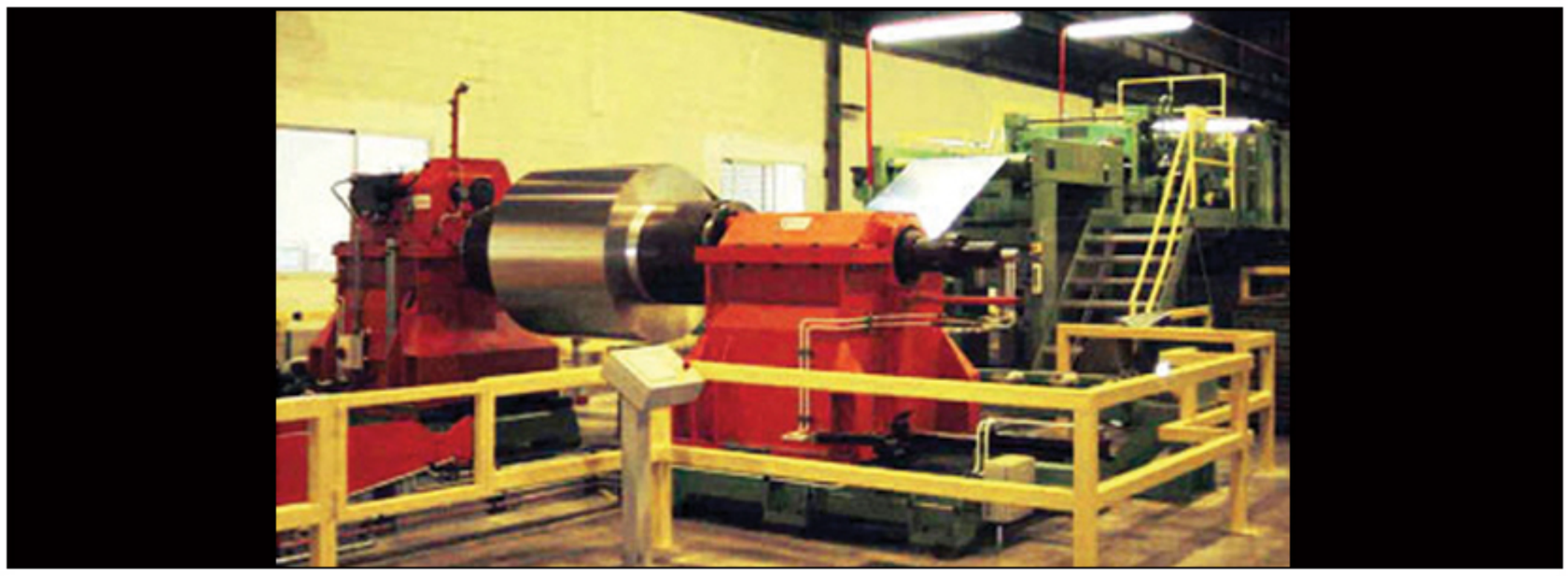
INGENIERIA DE CONTROL, S.L.

CUT TO LENGTH LINES

High Production Line **HPC**





CUT TO LENGTH LINES High prod. line type HPC

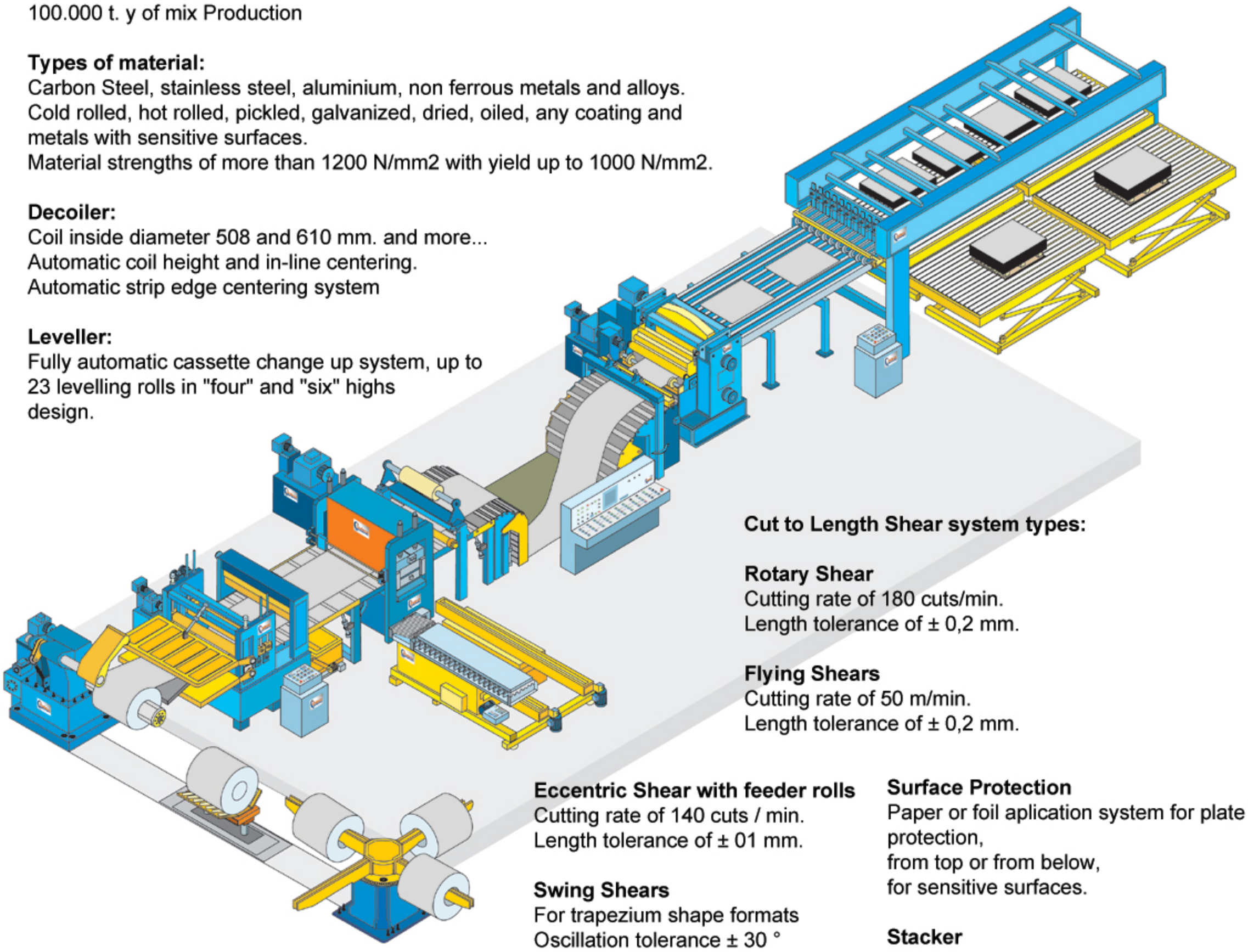
Line Parameters:
Coil weight up to 40 t.
Strip width up to 2100 mm. and more
Strip thickness from 0,10 up to 15 mm. and more
Production speed up to 140 m/min.
Production Capacity:
100.000 t. y of mix Production

Types of material:
Carbon Steel, stainless steel, aluminium, non ferrous metals and alloys.
Cold rolled, hot rolled, pickled, galvanized, dried, oiled, any coating and metals with sensitive surfaces.
Material strengths of more than 1200 N/mm2 with yield up to 1000 N/mm2.

Decoiler:
Coil inside diameter 508 and 610 mm. and more...
Automatic coil height and in-line centering.
Automatic strip edge centering system

Leveller:
Fully automatic cassette change up system, up to 23 levelling rolls in "four" and "six" highs design.

HPC



Strip Marking:
Single or multi - strand marking from top or from strip bottom.

Edge Trimmer:
With electric motor and automatic setting

Slitting machine (Multi-strand):
Automatic slitters quick - change setting system of up to 5 strands

Cut to Length Shear system types:

Rotary Shear
Cutting rate of 180 cuts/min.
Length tolerance of ± 0,2 mm.

Flying Shears
Cutting rate of 50 m/min.
Length tolerance of ± 0,2 mm.

Eccentric Shear with feeder rolls
Cutting rate of 140 cuts / min.
Length tolerance of ± 01 mm.

Swing Shears
For trapezium shape formats
Oscillation tolerance ± 30 °

Leveller feed & Eccentric Shear
Cutting rate of 45 m/min.
Length tolerance of ± 0,2 mm.

Surface Protection
Paper or foil aplication system for plate protection,
from top or from below,
for sensitive surfaces.

Stacker
Precision stacking systems.
Special design for sensitive surfaces.
Vacuum stacker
Bomb door type stacker
Magnetic belt stacker
Stacking accurancy at length/width of ± 0,5 mm.
Stacks packaging without production interruption

Custom tailored high - medium - low of automation requirements

Modem on-line teleservice

CUT TO LENGTH LINES High prod. line type HPC

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CUT TO LENGTH LINES High prod. line type HPC

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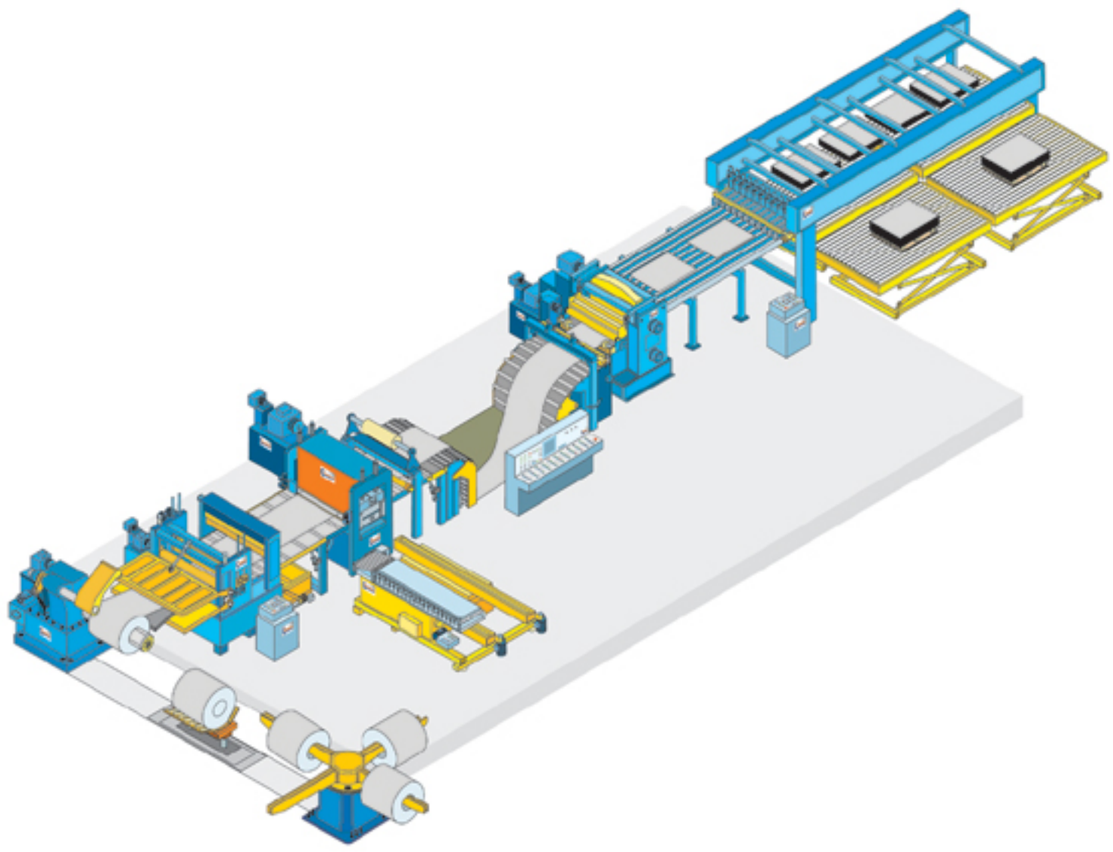
Custom tailored high - medium - low of automation requirements

CUT TO LENGTH LINES High prod. line type HPC

MACHINES:



1.- Cut to Length Line and Stacking

2.- Hydraulic Decoiler for 40t. weight x 2000mm. x 10mm. For Stainless Steel.

3.- Double Decoiler for Aluminium Cut to length Line

» METAL COIL SLITTING and CUT to LENGTH LINES
» LÍNEAS de CORTE LONGITUDINAL y TRANSVERSAL
» LIGNES de REFENDAGE et COUPE à LONGUEUR

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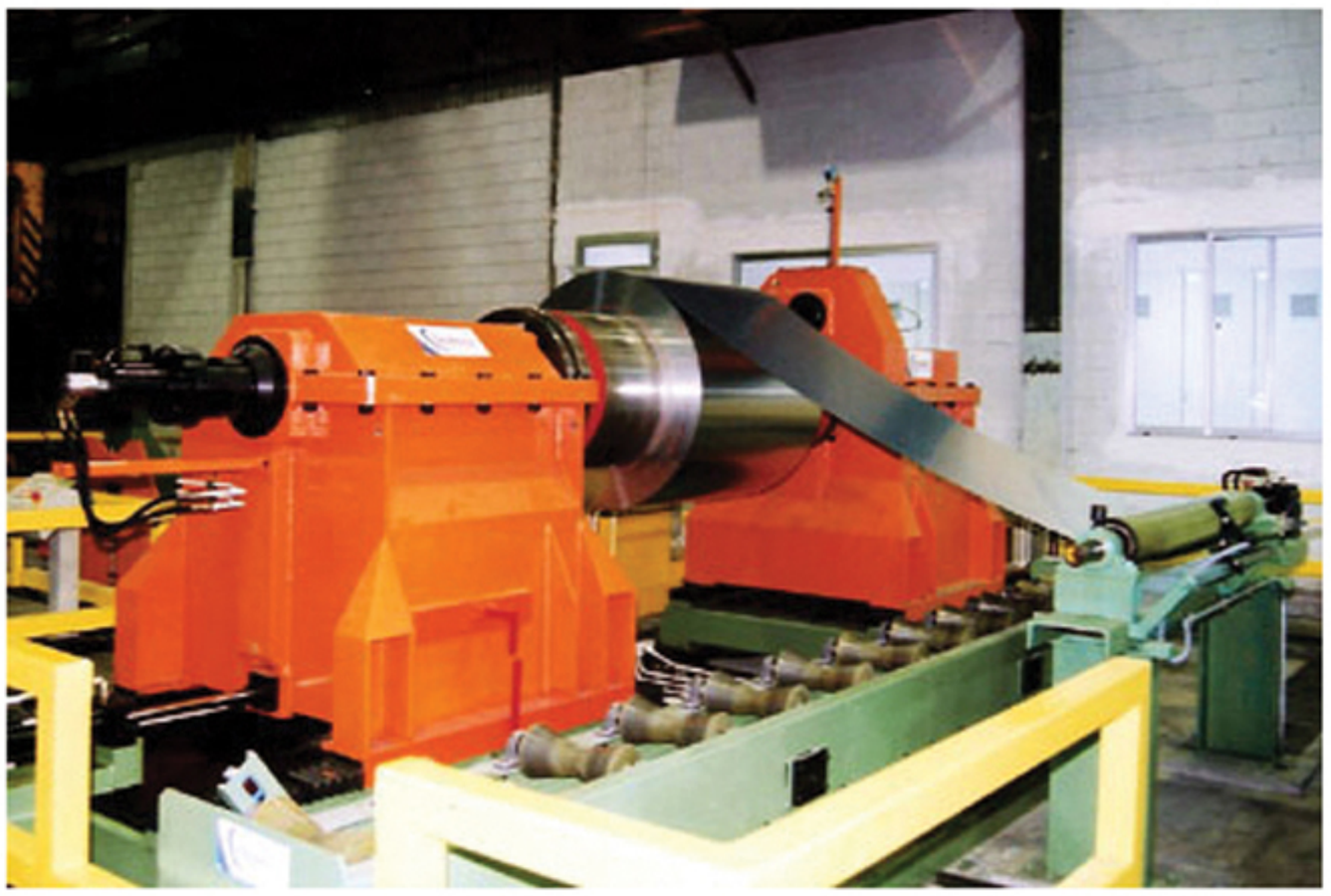
CUT TO LENGTH LINES High prod. line type HPC

MACHINES:



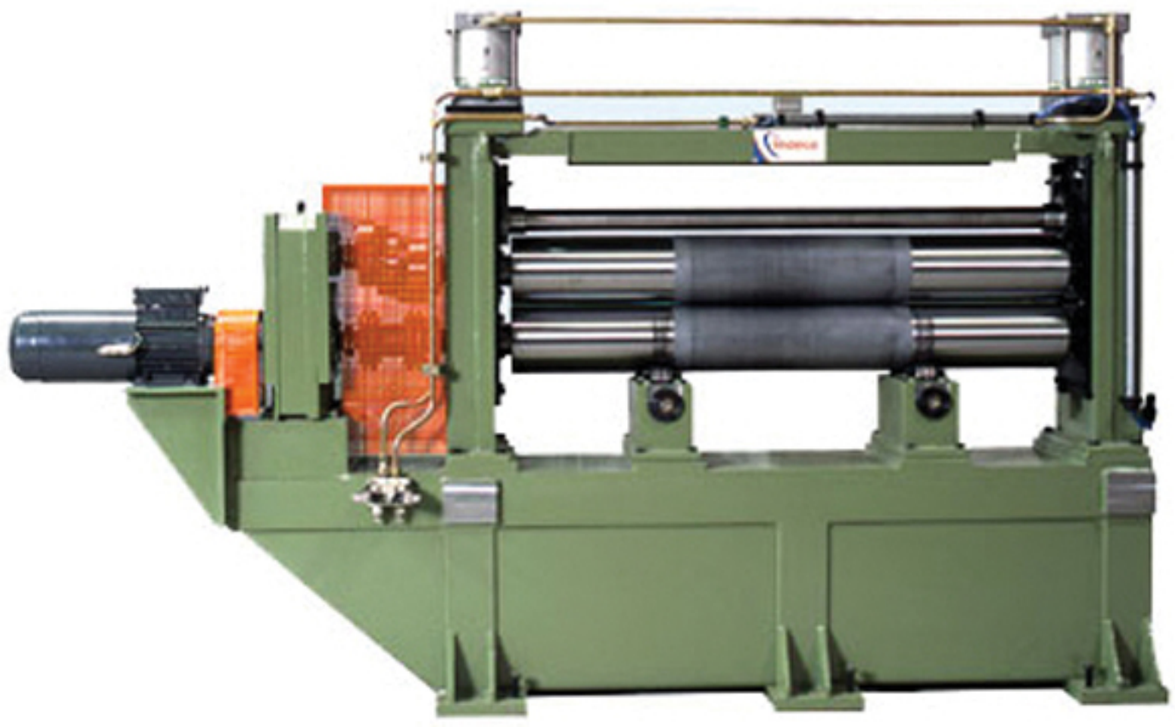
4.- Decoiler for Aluminium Cut to Length Line

5.- Decoiler with Cantilever Mandrel and centering system equipped with brake generator for strip tension control.

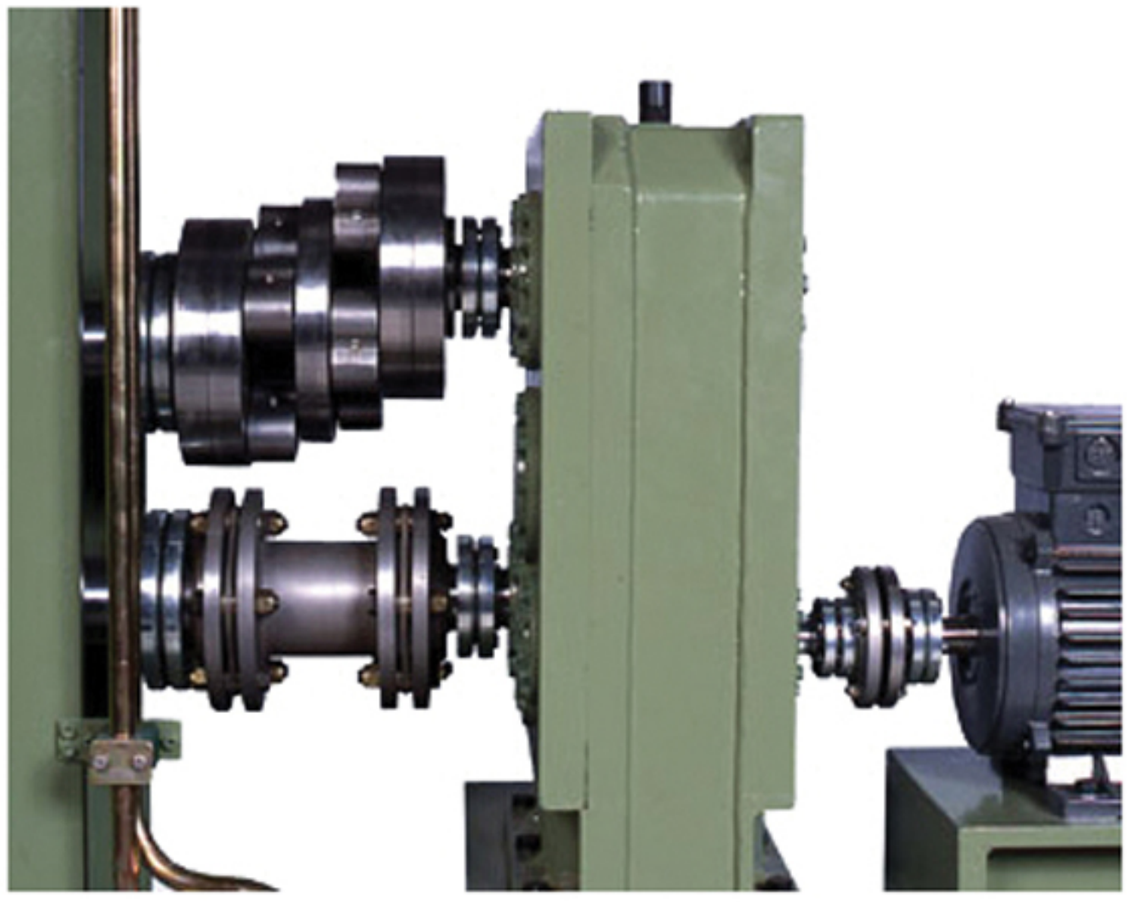
CUT TO LENGTH LINES High prod. line type HPC

MACHINES:

6.- Hydraulic Decoiler for 40t. weight x 2000mm. x 10mm. For Stainless Steel.



7.- Start-stop, high production feeder rolls, for metal sensitive surfaces



8.- Detail of High Accuracy and Backless coupling system for start-stop feeder rolls

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CUT TO LENGTH LINES High prod. line type HPC

MACHINES:

9.- Detail of counter-rolls equipped with precision micrometer control system, for start-stop feeder rolls.

10.- Straightener & Bridle Rolls for Stainless Steel 2000mm. x 10mm.

Decoiler with cantilever mandrel and support for coils of 25 t.

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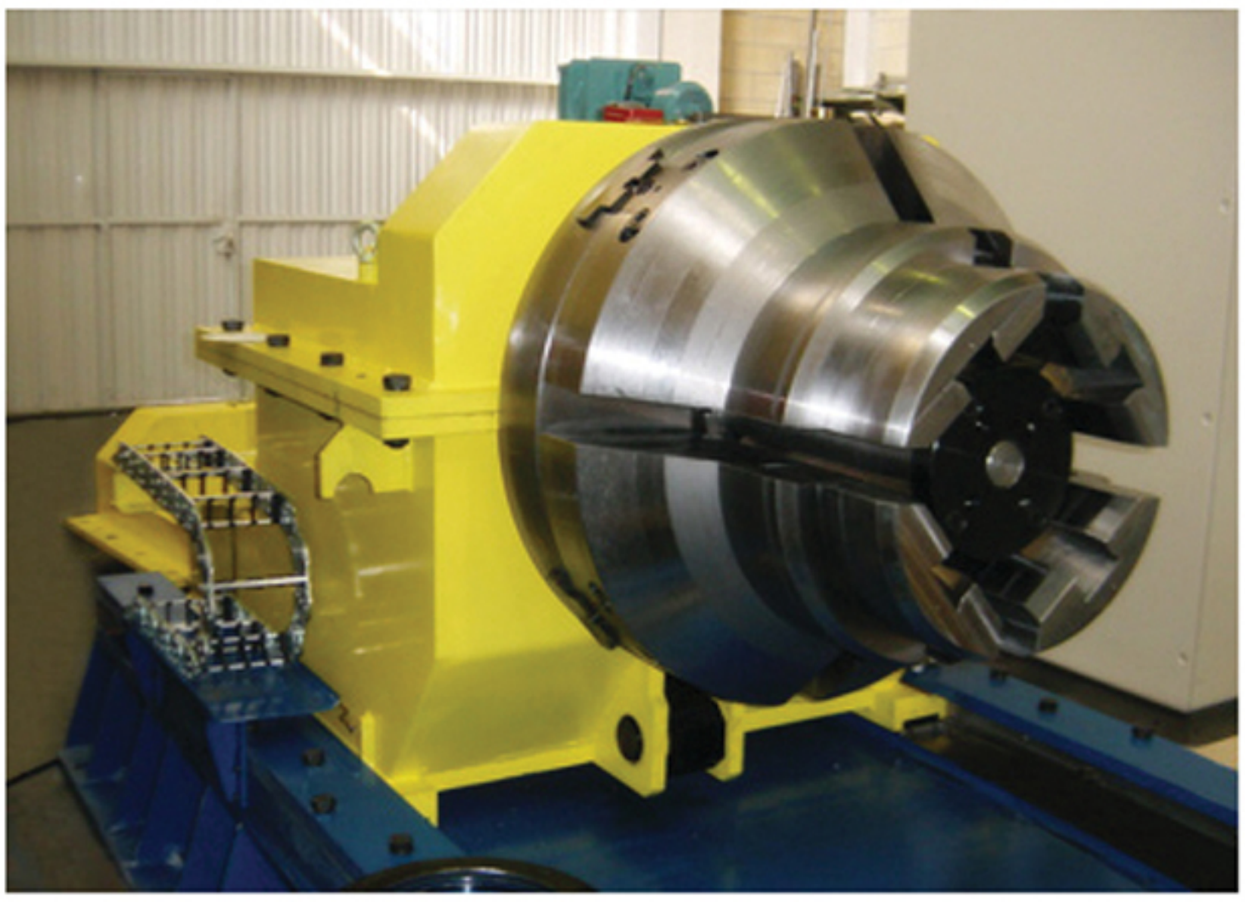
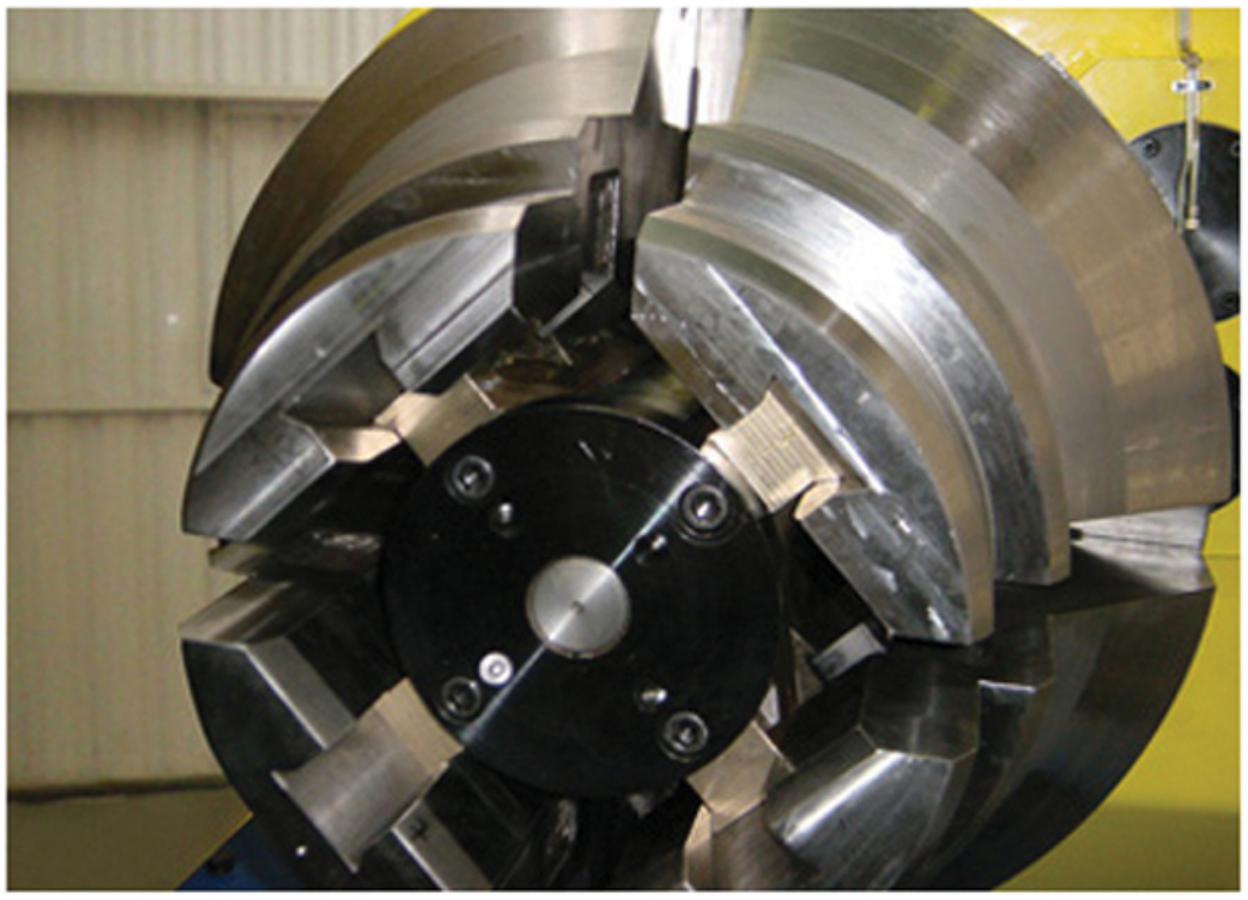
MACHINES:



12.- Double decoiler for 40 t. and strip thickness of 15 mm.

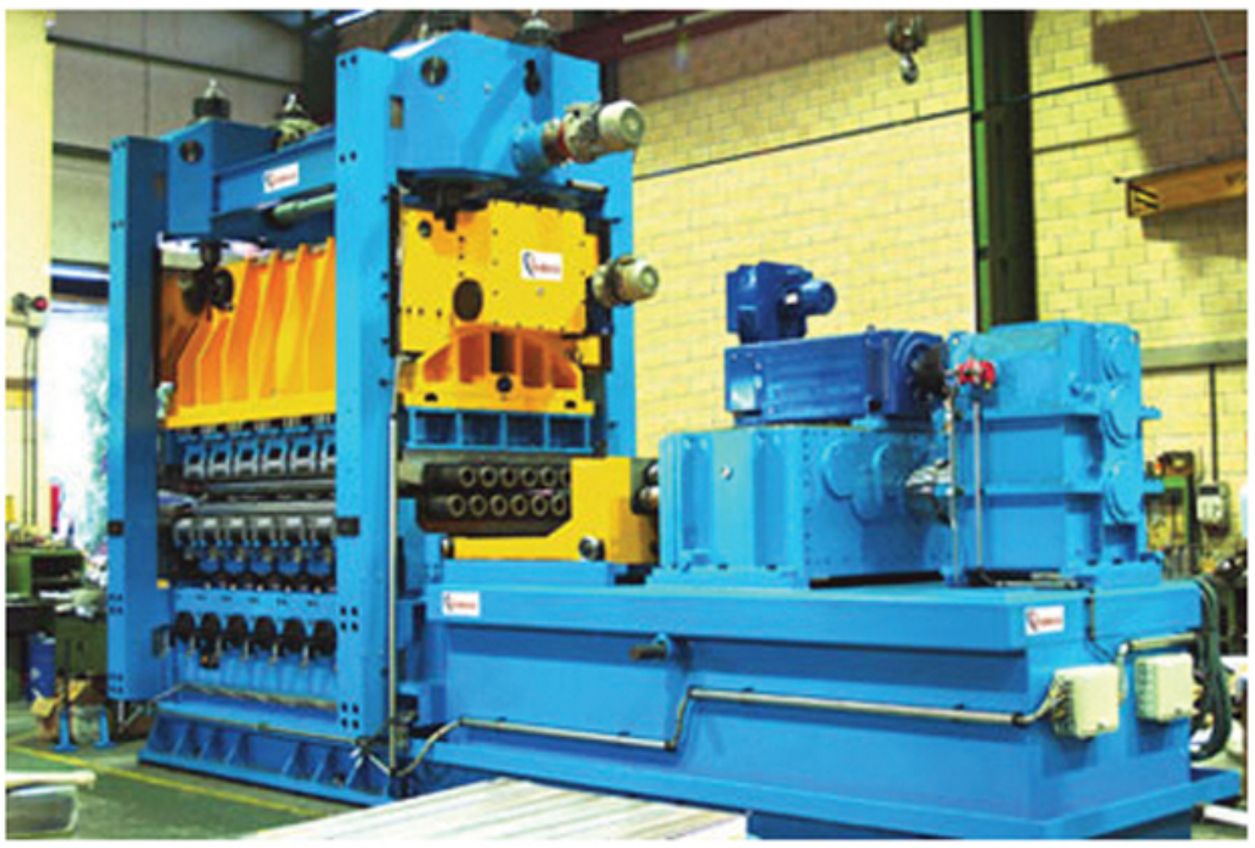


13.- Detail of double decoiler for 40 t. and strip thickness of 15 mm.

CUT TO LENGTH LINES High prod. line type HPC

MACHINES:

14.- High precision leveler with top bridge balancing on 4 pivots. For Stainless St. 2000mm. x 3mm.



15.- Precision Leveler for Stainless Steel 2000mm. x 10mm.

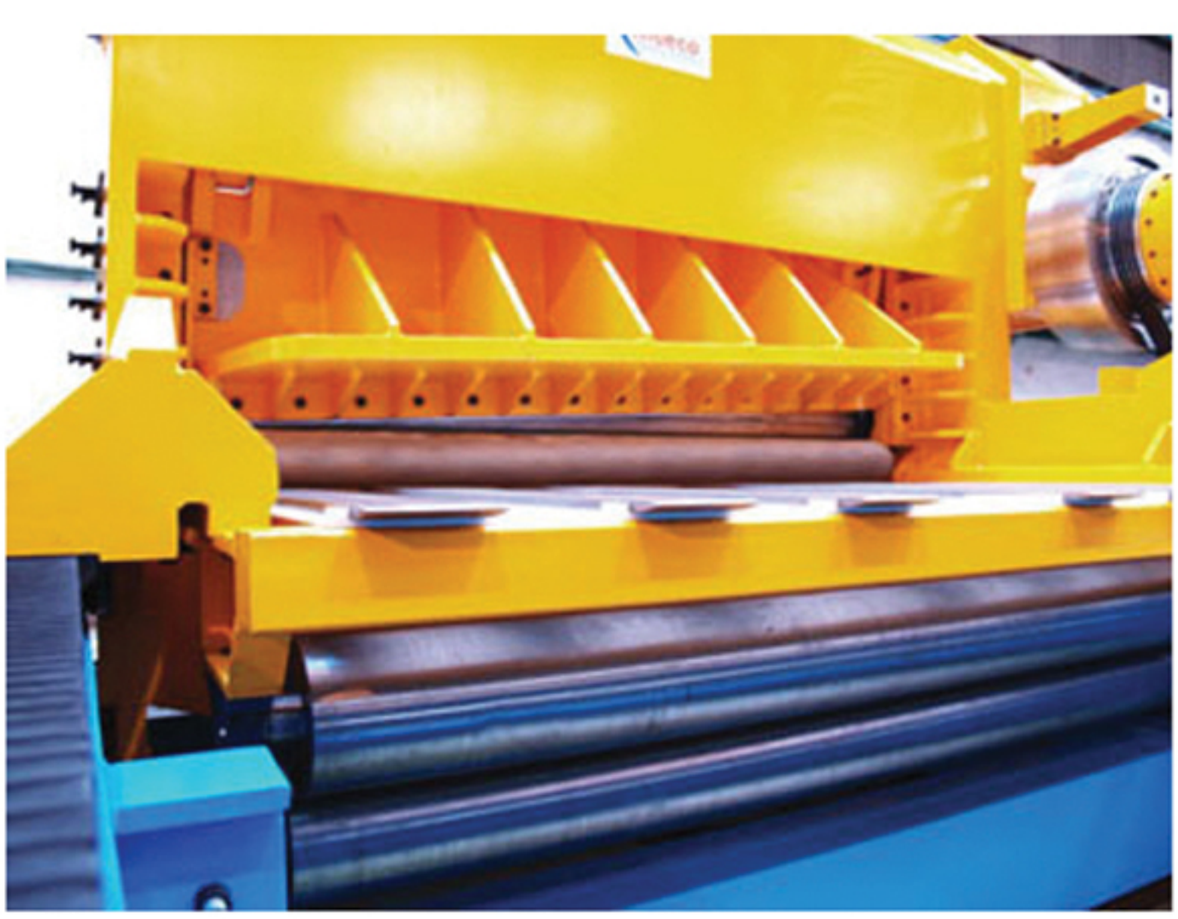
MACHINES:

16.- High Precision Leveler with Top Bridge on 4 balancing pivots. Stainless Steel. Width 2000mm. x 8mm.

17.- Counter Rolls Drive for High Precision Leveler for 2000mm. x 8mm.

MACHINES:

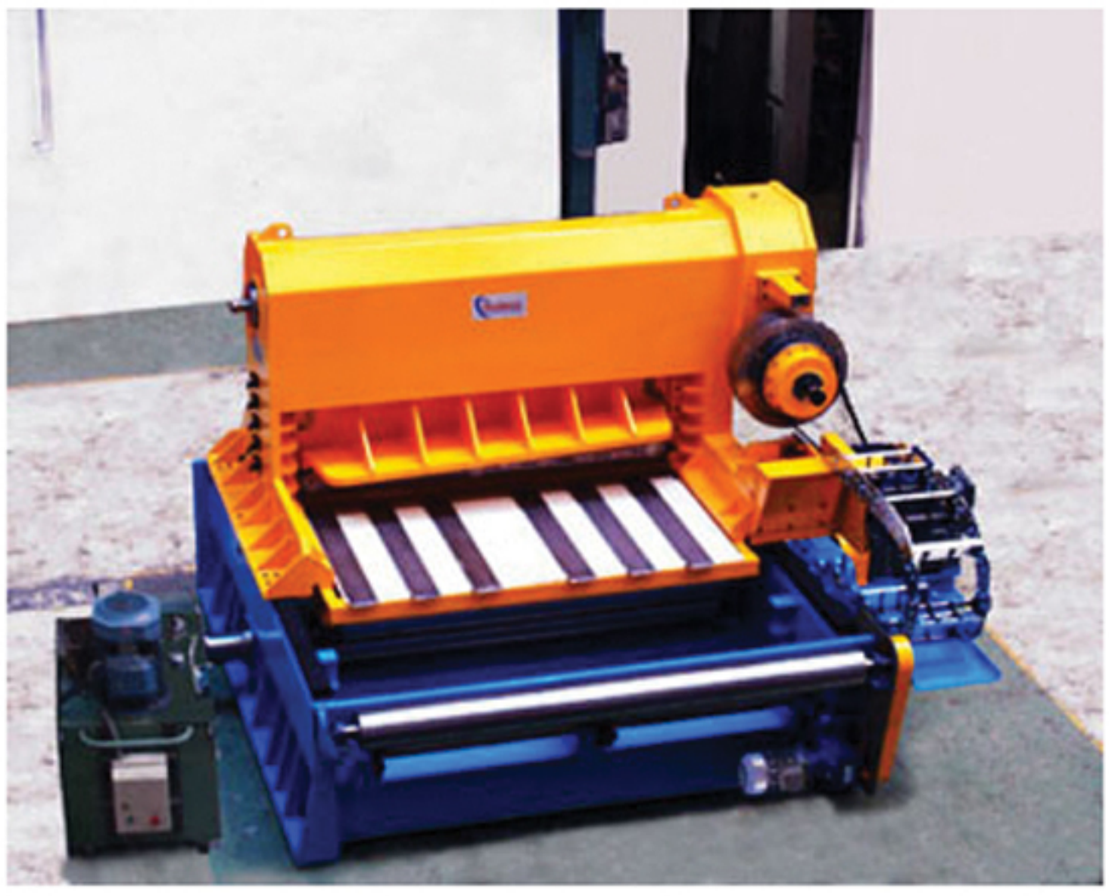
18.- Flying Shear for Stainless Steel 2000mm. x 10mm.



19.- Detail of Flying Shear with Hydraulic Clutch for Stainless Steel 2000mm. x 10mm.

MACHINES:

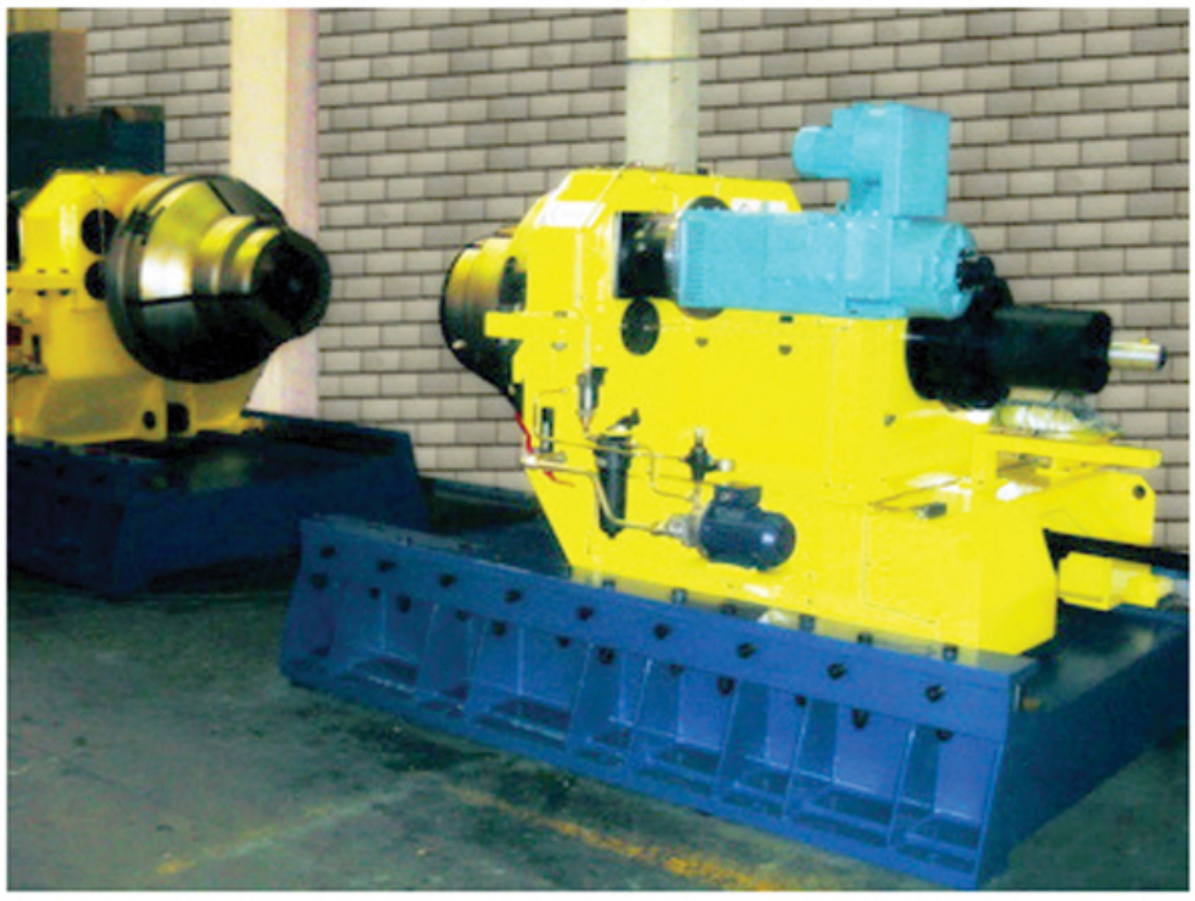
20.- Flying Shear with Hydraulic Clutch for Stainless St. 2000mm. x 10mm.



21.- Detail of Flying Shear with Hydraulic Clutch for Stainless St. 2000mm. x 10mm.

CUT TO LENGTH LINES High prod. line type HPC

MACHINES:



22.- Double decoiler for 40 t. and strip thickness of 15 mm.

23.- Electronic Shear for stainless steel strip of 1500 x 3 mm

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