

RECOILERS

1.- Hydraulic Recoiler

**2.- Recoiler with Rolling Clamp
Threading System**



Hydraulic Recoiler

General Description:



The rewinding system is designed to achieve evenly wound coils with uniform tension and allowing additional roll banding and removing the slit coils without delay.

The machine is composed by:

- » Main body frame is carbon steel fabricated and tension relief.
- » Hydraulically expanded multi-wedge hardened recoiler drum incorporate a integral gripper system and is supported on high precision bearings.
- » Strips splitting discs shaft with articulate lever arm operated by hydraulic cylinder.
- » Mechanical drive with helical gear box for recoiler drum.
- » Coils ejector plate hydraulically operated.

Main characteristics of a representative machine:

Max. Coil weight	Tn.	18
O.D.Coil Diameter min/max	850	1800
Nominal diameter of expanded drum	mm.	508
Width of drum	mm.	1400
Max. Recoiler Tension	kp.	9500
Recoiler speed	Mts/min.	75/150
Recoiler Drive Power	Kw	140

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



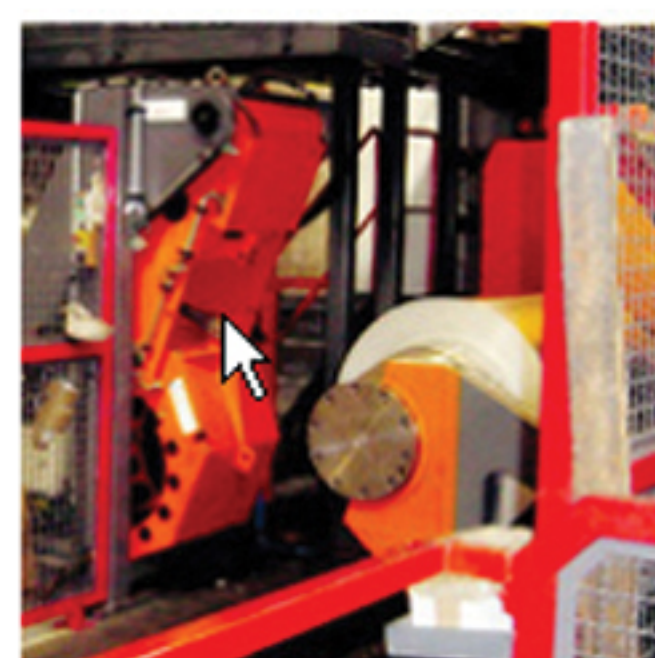
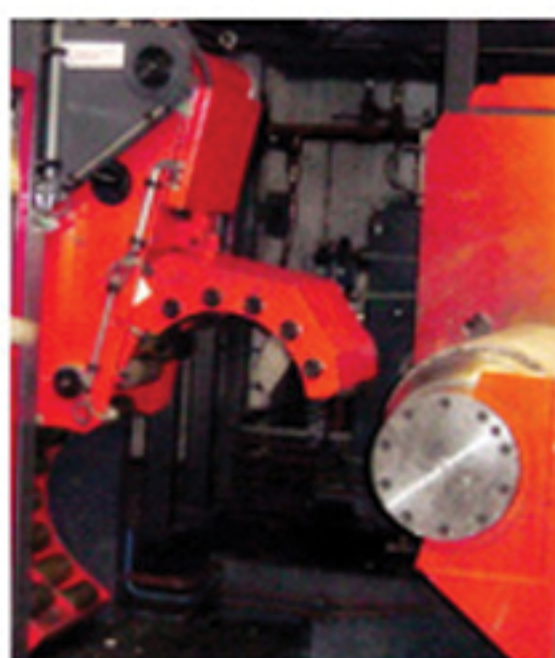
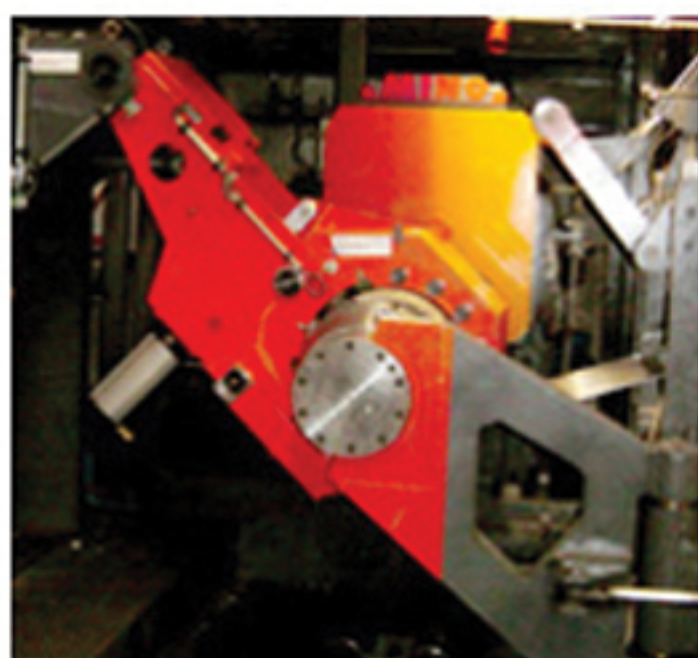
Recoiler with Rolling Clamp Threading System

Machine Description

The rewinding system is designed to achieve evenly wound coils with uniform tension and allowing additional roll banding and removing the slit coils without delay.

The machine is composed by:

- Main body frame is **carbon steel fabricated** and tension relief.
- Hydraulically expanded multi-wedge hardened recoiler drum incorporate a **integral gripper system** and is supported on high precision bearings.
- Automatic threading system with roller clamp and articulated hinge arm.
- Mechanical drive with helical gear box for recoiler drum.
- **Coils ejector plate hydraulically operated.**



Main characteristics of a representative machine:

Max. Coil weight	Tn.	15
Coil outside diameter min/max	mm.	750/1800
Nominal diameter of expanded mandrel	mm.	610
Width of the mandrel	mm.	1400
Max. Recoiler Tension	kp.	15000
Recoiler speed	m/min.	60

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Recoiler with Rolling Clamp Threading System

Operation sequences:

1



2



3



4



5



6



Description:

-The function of this threading system is to wrap the metal strip on the mandrel of recoiler without holding and bending the metal strip end in between of mandrel jaws.

-The rolling clamp is wrapping gently the metal strip on the mandrel preventing marks or notches on the sensitive metal surfaces.

- The main application of this system is for recoiling high quality sensitive metals such aluminium, stainless steel, coatings, etc. and more than that when the quantity of coils is very high and the diameter of them is small.

-The system is very performant for service centers with high production of small diameter coils.

General technical data:

Strip width: 500 a 2100 mm.

Strip thickness: 0,1 a 3 mm.

Metal types: Aluminium, stainless steel, coatings and brass.