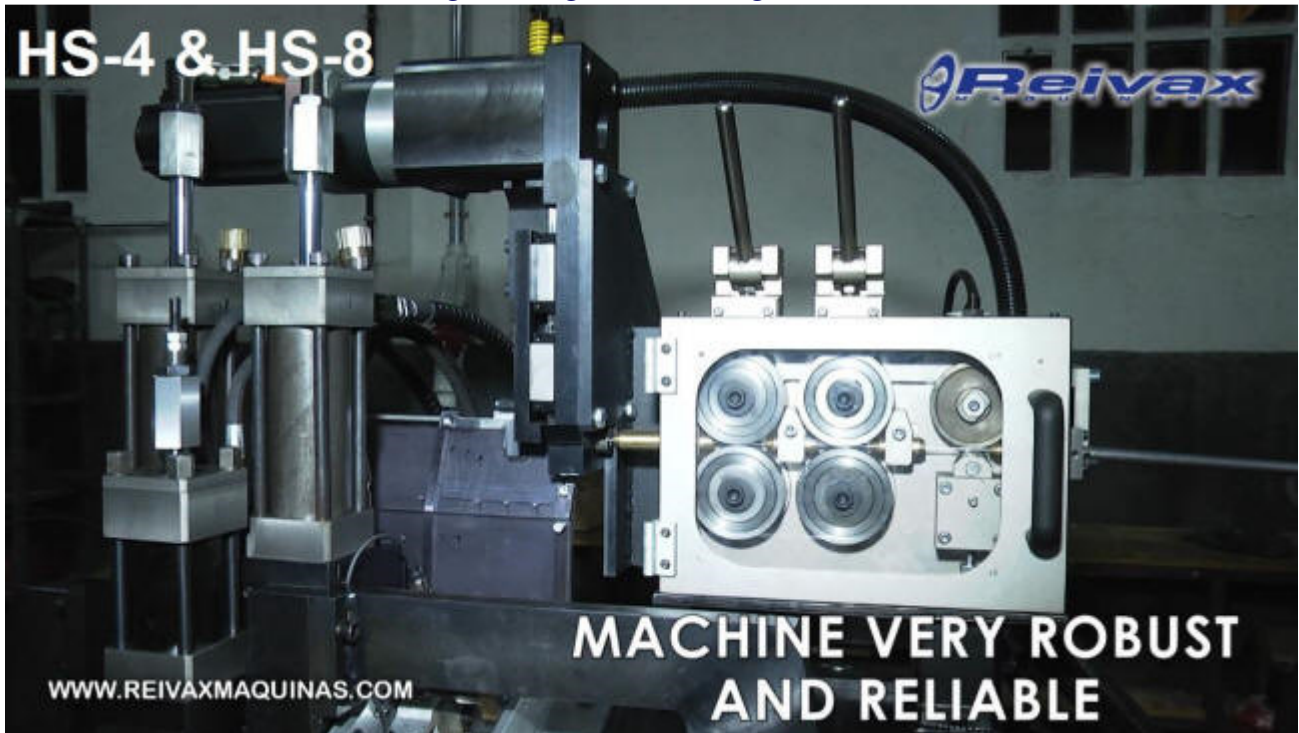


Construction of Machinery for wire deformation

## CN machine for straightening and cutting short sections of wire rod.

HS-4 / HS-8 Ø 1 to 8 mm

CN machine for straightening and cutting short sections of wire rod.



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Programmable CN machine to straighten and cut high speed wire sections. Up to 1000 cuts per minute with a clean cut and precision of + - 0.15 mm.

### Description.

CN machine for straightening and cutting short sections of wire rod.

It is a CN machine and programmable from a touch screen.

It is designed to cut short sections of rod at a very high speed, synchronizing the cutting blades with the feed of the rod getting this system a clean cut.

It is mounted on a bench equipped with an electrical panel, an extendable control, a drag box, a straightener, cutting mechanisms and expulsion of the cut rod.

It is fed by a coil of wire from a motorized winder.

The straightener can optionally be roller or rotary with nozzles.

The roller straightener provides more speed and the rotary straightener more perfection.

There are different models of machines depending on the thickness of the wire and the straightening system. See attached table.



## Construction of Machinery for wire deformation

The machine can make up to 1000 cuts per minute, the production of rod sections is conditioned to the machine model, the thickness of the wire, the straightening system and the length of the sections to be cut. See attached table.

It is characterized by:

- The accuracy of the cut length: +- 0.15 mm.
- No physical stops are required. The length is programmable from the touch screen.
- It allows to modify the length of the sections in 10 seconds.
- A clean cut.
- The feeding speed is adjustable.
- Versatility and ease in changing the length of the rod and/or thickness.

It is governed by a PLC.

It is programmed from a touch screen.

The programming:

- It is very fast, easy and open. .

The screen:

- Visualizes all the necessary information of the production and incidences.

It has installed a remote control module to be operated via Internet.

It incorporates systems of passive security and manual stop of emergency..

Complies with European regulations approved and required by the CE: Machines 2006/42/CE.

It is a robust and productive machine with minimum maintenance.

### Machine models:

Model	Straightener	Ø Wire
HS-4-R	Rollers	1 to 4 mm
HS-8-R	Rollers	2 to 8 mm
HS-4-G	Rotary	1 to 4 mm
HS-8-G	Rotary	2 to 8 mm

### Approximate table of cuts per minute:

Models HS-4-R & HS-8-R		Models HS-4-G & HS-8-G	
Roller Straightener		Rotary straightener	
Length in mm	Cuts / Minute	Length in mm	Cuts / Minute
3 to 40	1000	-	-
10 to 300	600	10 to 200	600
300 to 350	500	200 to 250	500



## Construction of Machinery for wire deformation

350 to 450	400	250 to 350	400
450 to 600	300	350 to 400	300
600 to 1000	200	400 to 600	200
-	-	600 to 800	150
-	-	800 to 1000	120

### Capability.

CN machine for straightening and cutting short sections of wire rod.

Machine model	On request
Feeding	Wire roll
Wire / Rod:	
- Ø Thickness 1 to 8 mm	According to the model
- Rod hardness	800 N/mm <sup>2</sup>
- Straightener: Rollers or Rotary	According to the model
CN - Numerical Control	Yes
Touch screen programming	Yes
Cutting rod:	
- Minimum length	1 mm
- Maximum length	1000 mm
- Length: physical stop	Not necessary
- Cuts per minute	See attached table
Maximum cutting speed / minute	1000
Time to change:	
- Rod length (Programmable)	10 seconds
- Thickness of the wire	+/- 15 minutes
Rod Cutting	Servomotor
Length accuracy	+/- 0.15 mm
External encoder	Yes
Servos	Yes
Programmable PLC	Yes
Communication	Ethernet
Touch Screen	Yes



## Construction of Machinery for wire deformation

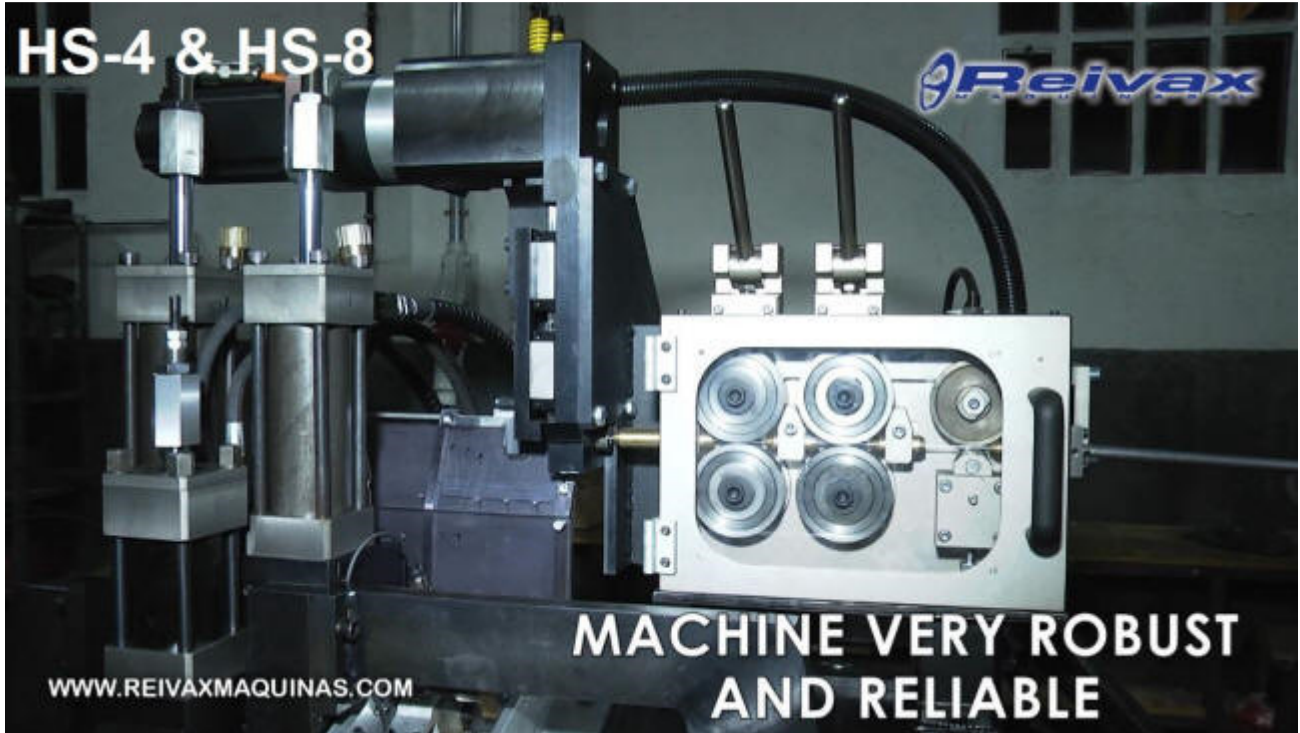
Extendable control	Yes
Remote control (Internet)	Yes
The machine:	
- Measurements:	To consult
- Weight	To consult
- Installed power	To consult
- Input voltage	On request
Documentation: Spanish or English	On request
Machine certifications (Reference and country)	On request
External risk assessment (Pilz)	On request
Time to manufacture	+/- 5 months
Complements for the installation:	
- Motorized decoiler 1000 Kg	Optional

### Approximate table of cuts per minute:

Models HS-4-R & HS-8-R		Models HS-4-G & HS-8-G	
Roller Straightener		Rotary straightener	
Length in mm	Cuts / Minute	Length in mm	Cuts / Minute
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Construction of Machinery for wire deformation

Photo gallery:

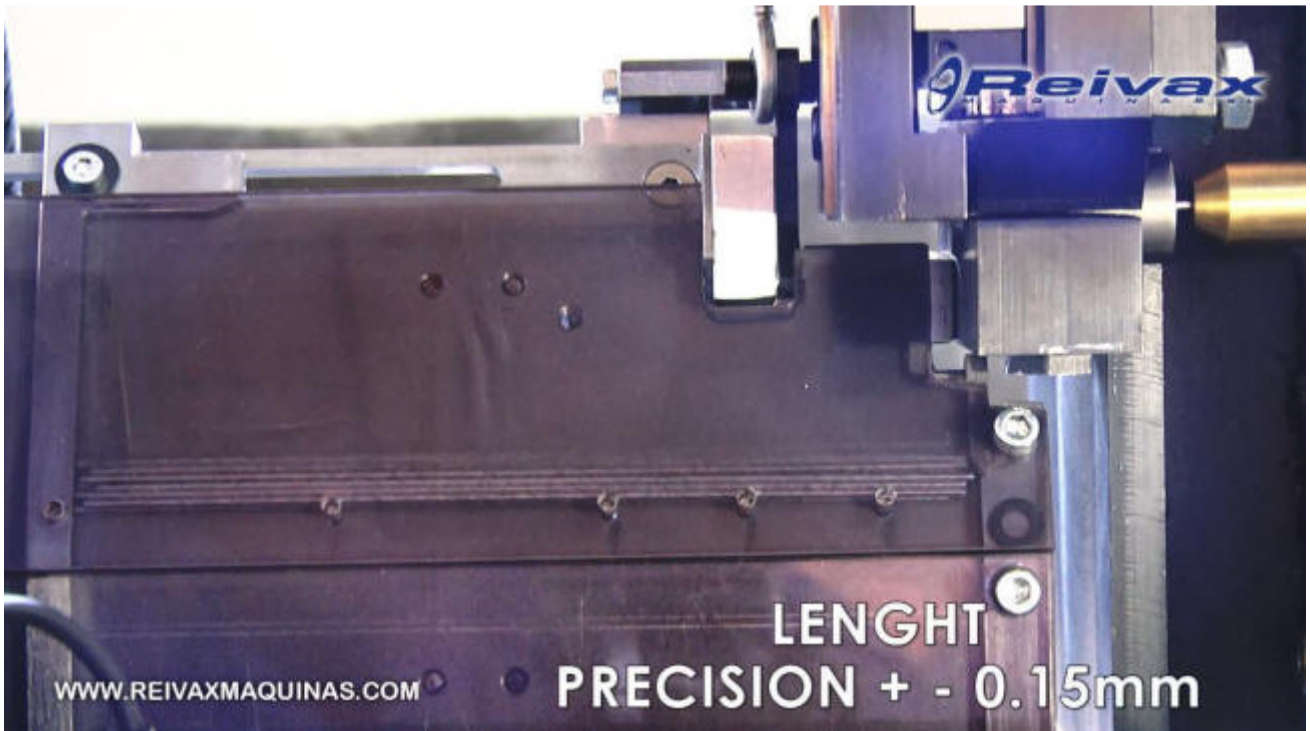


CN machine for straightening and cutting short sections of wire rod.

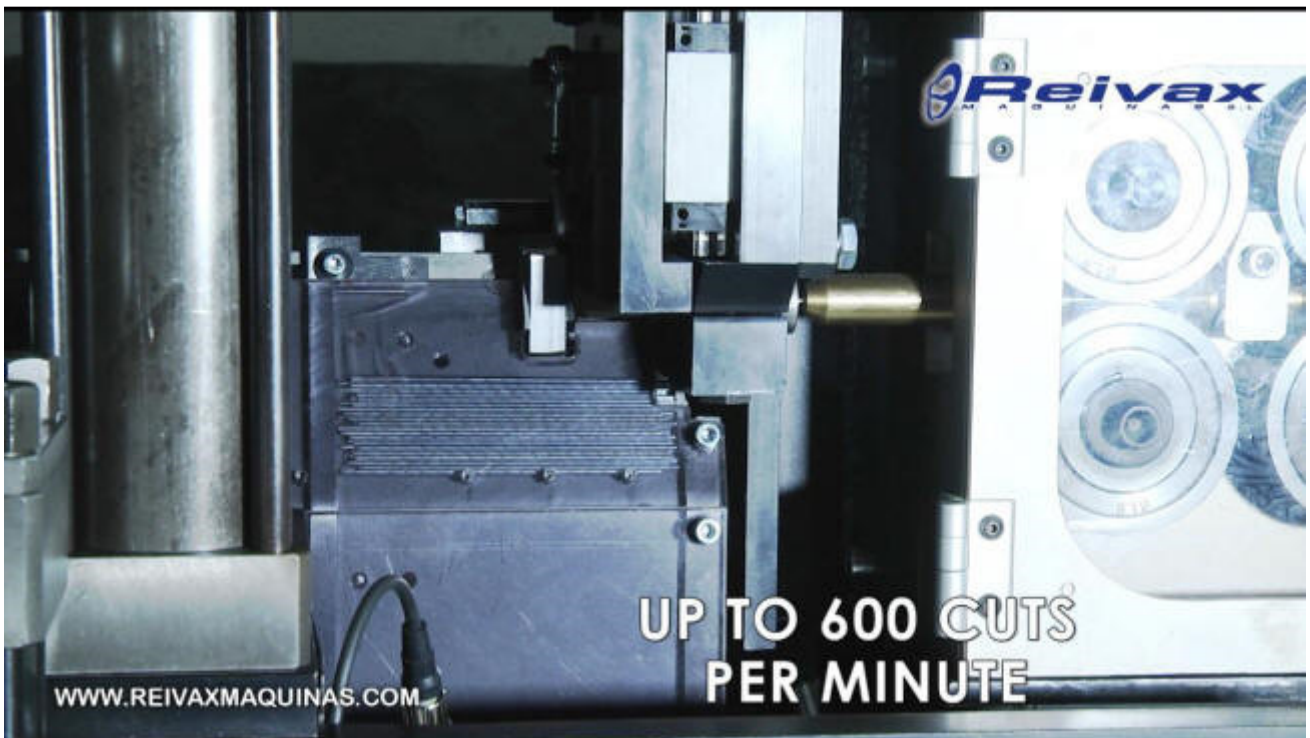


CN machine for straightening and cutting short sections of wire rod.

Construction of Machinery for wire deformation



CN machine for straightening and cutting short sections of wire rod.

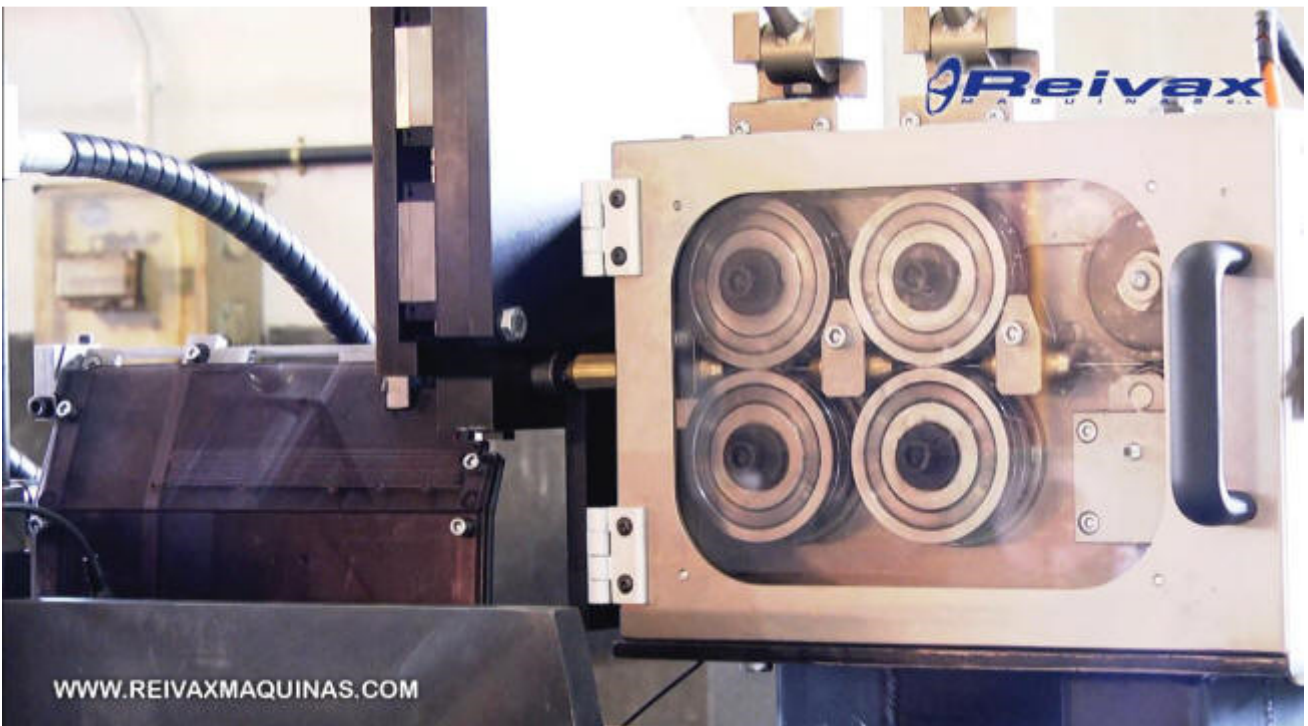


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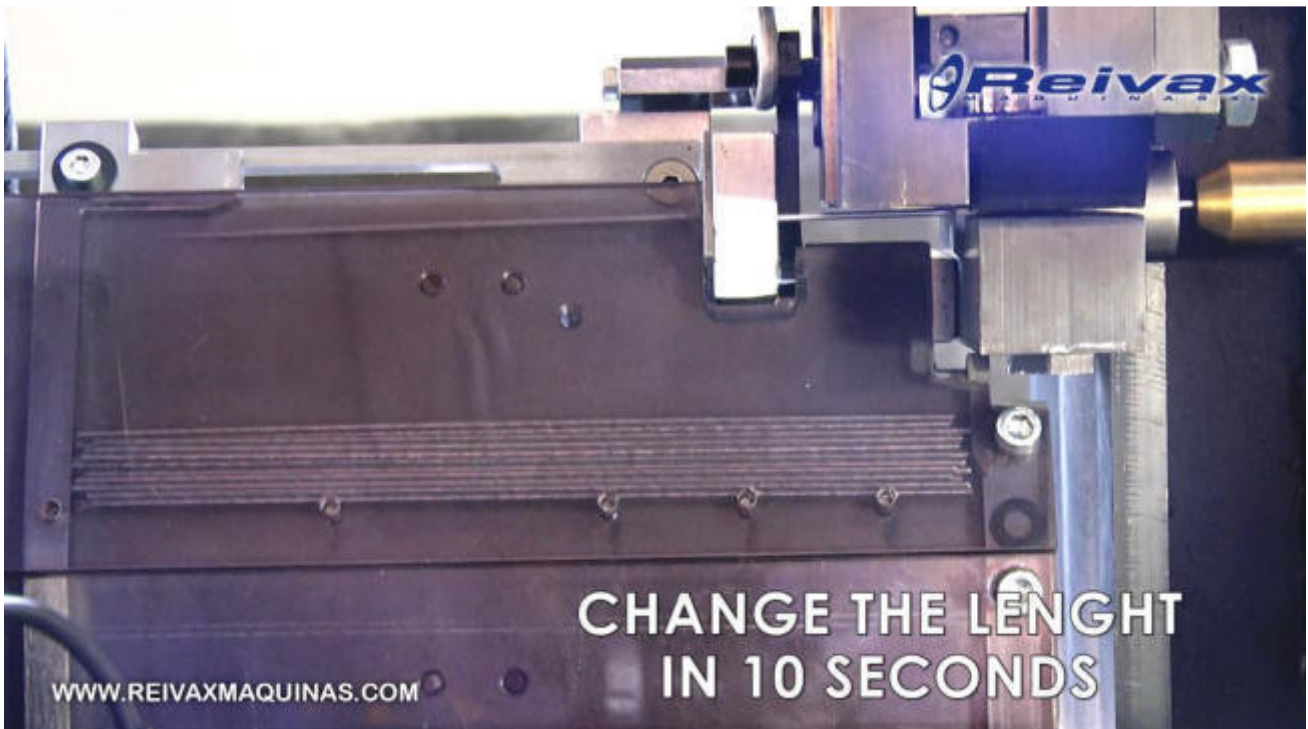


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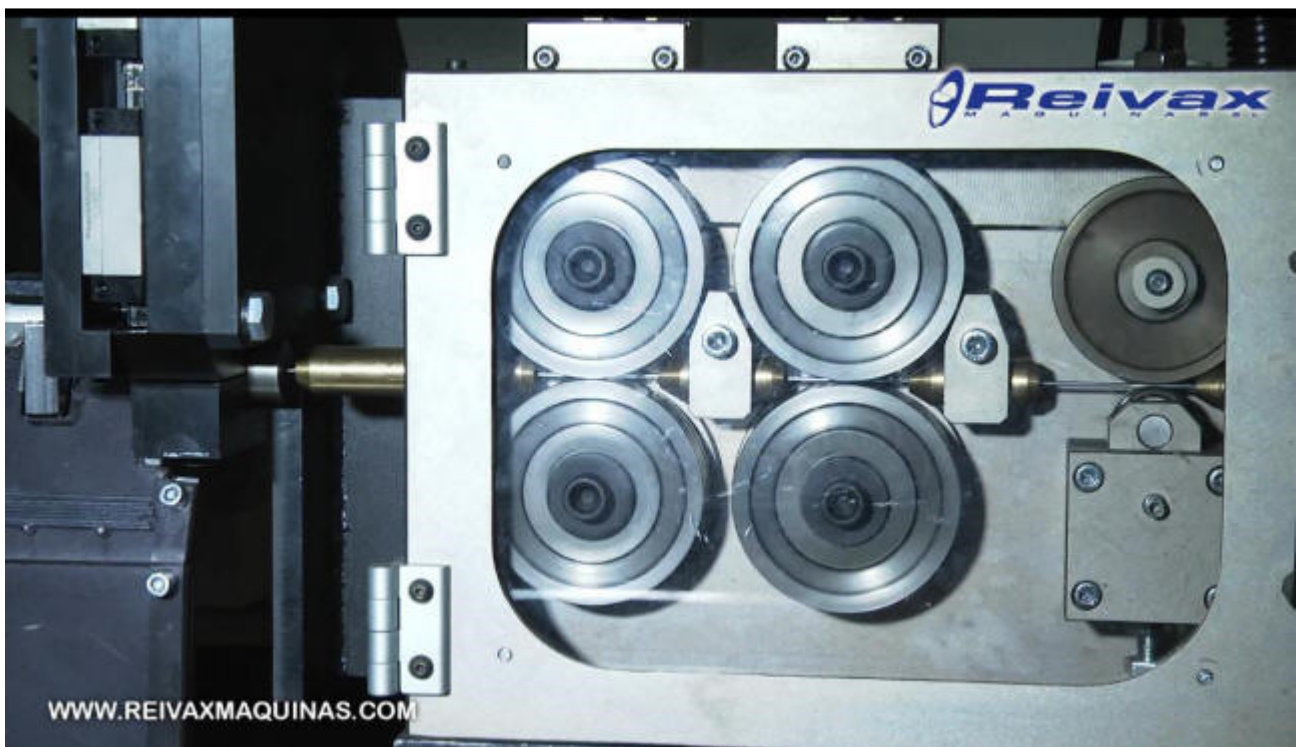


CN machine for straightening and cutting short sections of wire rod.

Construction of Machinery for wire deformation



CN machine for straightening and cutting short sections of wire rod.



CN machine for straightening and cutting short sections of wire rod.



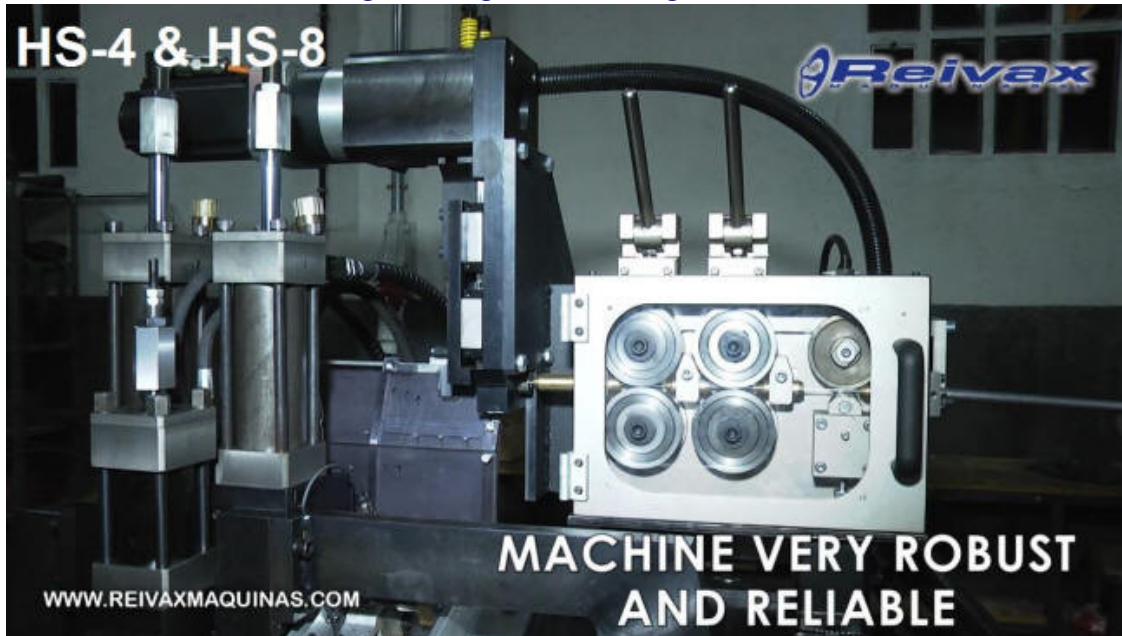


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21.01.18

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**The company - Machines - Accessories - Heads - Location - Contact**

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