Technical datasheet

A.07 16234

25/11/2026

DECOILING + / OR ROLL FORMINGLINES

Robohelix RX250 CNC spiral blade forming machine

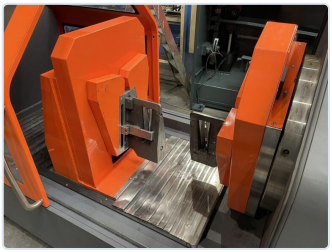
Brand: Robohelix · Type: RX250 CNC spiral blade forming machine











HOR+VERT PROFILEMACHINES, SECTION BENDING ROLLS & SEAM MAKINGMACHINES

Length	**4110 mm**	Depth	**1280 mm**
Height	**1880 mm**	Weight	**5 ton**

DESCRIPTION

With RoboHelix machines, spiral blades can be formed from standard round or patterned workpieces.

All tools included
The minimum inner diameter of the workpieces is 16 mm.
The maximum diameter is 800 mm.
minimum thickness: 4 mm
Maximum thickness of mild steel: 18 mm -> 10 mm for wear-resistant sheet metal
1500 screw drawing templates in the software
Fully tested!

RoboHelix machines require extremely precise synchronous motion control. User-generated data is downloaded to the device from cloud-based software, HelixNinja. This information is then further processed to generate coordinates in the 3D plane, mimicking the process of creating an aircraft from a blank base. The motors synchronously track these coordinates to produce the aircraft.

With the electronic cam plate function in TwinCAT NC Camming (TF5050), relative synchronous movement is possible anywhere and anytime. Dimensions and tolerances are no longer a problem once the motors and drives are calibrated. The second-generation RX250 from the RoboHelix machine line has a linear force requirement of 25,000 kg.

CONTACT

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The machine is designed so that the operator can place the workpiece plate on either the left or right side of the machine and remove the spiral. This makes it easier for the operator to switch sides, depending on the desired direction of rotation of the spiral, whether clockwise or counterclockwise.

The user interface for the RoboHelix machines is based on TwinCAT HMI. The CX5140 Embedded PC also functions as a TwinCAT HMI server, and the CP3916 is connected to it, with the browser running in kiosk mode.

Shaftless spiral screws / screw belt conveyors / jacks with endless roller guides / jacks and screw blades / segmental screw blades / individual screw blades

PRICE

Price on request

Request a quote

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