

## Final cleaning machine, model Ecowipe™ 2022

The patented Ecowipe system is an inexpensive and ecological process for cleaning wire surfaces in the diameter range of up to 8 mm and a wire process speed of up to 15 m/s.

The machine color is standard RAL 7016.

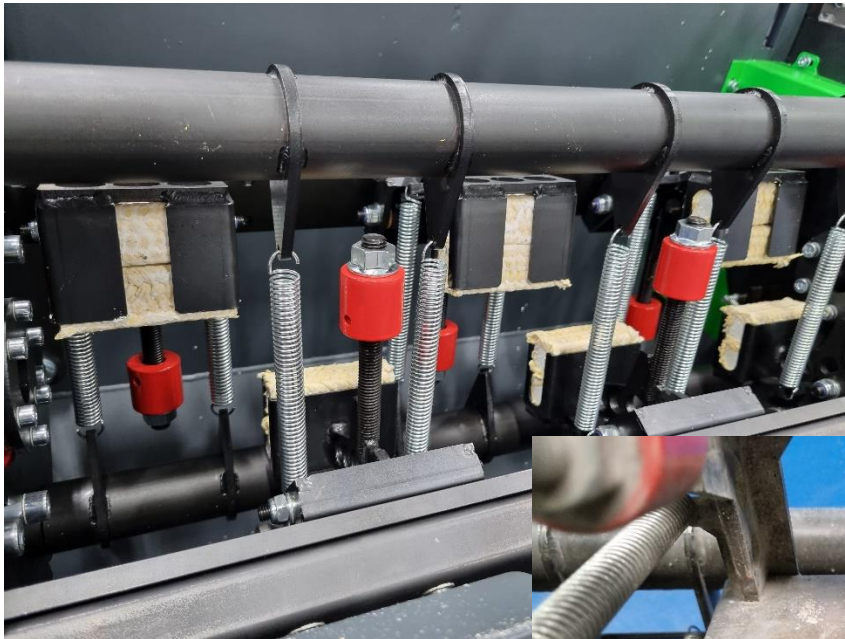


*figure similar*

After drawing the wire to be recommended, the wire is passed through the Ecowipe cleaning device. The resulting lubricant / dust falls into two separate scale wagons that can be emptied manually. But it's highly recommended to install the machine to a dust extraction system. The cleaning effect is ideal to create a cleaner wire surface to reduce waste and downtime at further processes.

Since no chemicals or liquids are required for the application, the surface is mechanically activated and further passivation of the material is sometimes not even necessary. Because it's not cleaning the wire surface 100% the wire is still ready for spooling or bending during further processes. The wire will be cleaned **up to 80%** from lubrication.

The two rotors are each equipped with 6 cleaning heads (double) (2 sets of 6 cleaning heads are included in the scope of delivery), which are positioned at an angle of 180 degrees around the wire for maximum cleaning and higher to ensure production speeds. In order to optimize cleaning, the rotors have an opposite direction of rotation.



*figures similar*

The service life of the cleaning heads essentially depends on the wire diameter and the wire quality as well as the adjustable parameters such as the rotor speed, the contact pressure and the configuration of the cleaning heads. The very low wear of the heads enables continuous production with minimal downtimes of the entire production line. The price of one set brushes is €95,- ex works NL-Hengelo. The lifetime reach up to 100Tons.

The result is a clean and conditioned wire at a high level with ideal properties for further processing such as galvanizing and chrome or nickel plating.



*figures similar*

**Data sheet**

Description	Value	Unit
electrical voltage	400 / 50 (other on request)	V/Hz
total power	4.7 (2 x 2.35)	kW
weight	approx. 1,500	kg
Dimensions approx L/W/H	2,104 / 957 / 1,175	mm
wire entrance height [EH]	900 (other on request)	mm
wire diameter	Ø 2.0 – 8.0	mm
compressed air supply (not required)	5.5 – 6	bar
wire direction	to customer request	
operation side	to customer request	
Space requirements – maintenance and assembly	overleaf each 1.0	m

The ECOWIPE can be easily connected to an existing suction system (suction system is not standard included in the scope of supply).

**Optional:**

- Guiding units on inlet and outlet.
- A compressed air ring can be installed at the wire outlet, which can blow off remaining loose dirt and scale particles (without pneumatic supply).
- Adjusted inlet height
- Dust extraction system