

CONTINUOUS EXTRUSION LINE (PRO-FORM) PROPERZI FORMING; A PLURALITY OF PROFILES AND ALUMINIUM-CLAD STEEL (ACS) WIRE WITH THIS INNOVATIVE MACHINE

During the past 20 years Continuous-Properti has enlarged their range of products with an intensive know-how acquisition policy of highly reputed companies in the market and then updating and modernizing this acquired know-how and machinery. This was the case with the O.T.T. Logos drawing machine for high carbon steel, with Redaelli stranders and with Threesixty rotary extrusion machinery.

The rotary extrusion machinery has been branded under the name Pro-Form, standing for **Properti Forming**.

This acquisition was done a couple of years ago and during this time the detailed design has been updated and the first Pro-Form machine will be ready during the month of May 2016 for various tests with different feed stock materials prior to being shipped to customers.

This new Pro-Form will be equipped with a wheel of 300 mm, motorized for producing a wide range of profiles both in copper and aluminium.

The Pro-Form range of machinery will also include the following wheel diameters:

- >> 420 mm
- >> 500 mm

As stated in the title of this article, the range of applications is almost infinite whereas the major applications include:

- >> Aluminium sheathing of steel wires
- >> Al alloy rod direct from cast bar
- >> Cladding of steel wire with aluminium
- >> Solid cables and conductors
- >> Profiles
- >> Bus-bars
- >> Tube and multiport tubes
- >> Rod directly from cast bar and many others

Regarding the cladding of steel wire with aluminium (see the picture displayed in this document), Continuous-Properti is the only company that can offer all the machinery which is involved in the process of cladding steel wire.



Pro-Form (Properti Forming) during assembly

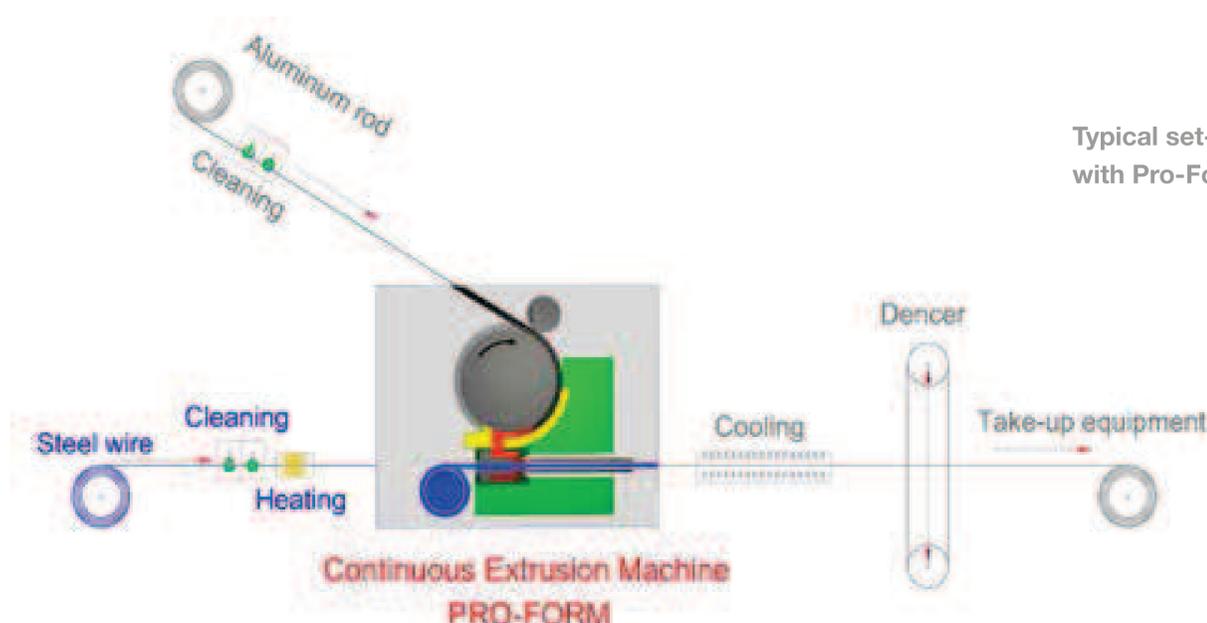
This range of equipment includes:

- >> CCR Al rod line
- >> Pro-Form
- >> Pay-off and take-up spoolers
- >> Wire drawing machine for processing the ACS wire
- >> Stranding machine if so required

This application will become very important in the very near future considering the efforts made by the cable makers to push the use of ACSR/ACS, since the bimetallic conductor resolves many of the problems typical of ACSR wire such as intra-corrosion, and sparks.

The Pro-Form machine, as well as many attributes of the Properti organization, will be visible during our open-house that has been scheduled for June 2016; the exact date will be communicated soon!!!!

By C.M.B.



Typical set-up for cladding steel wire with Pro-Form