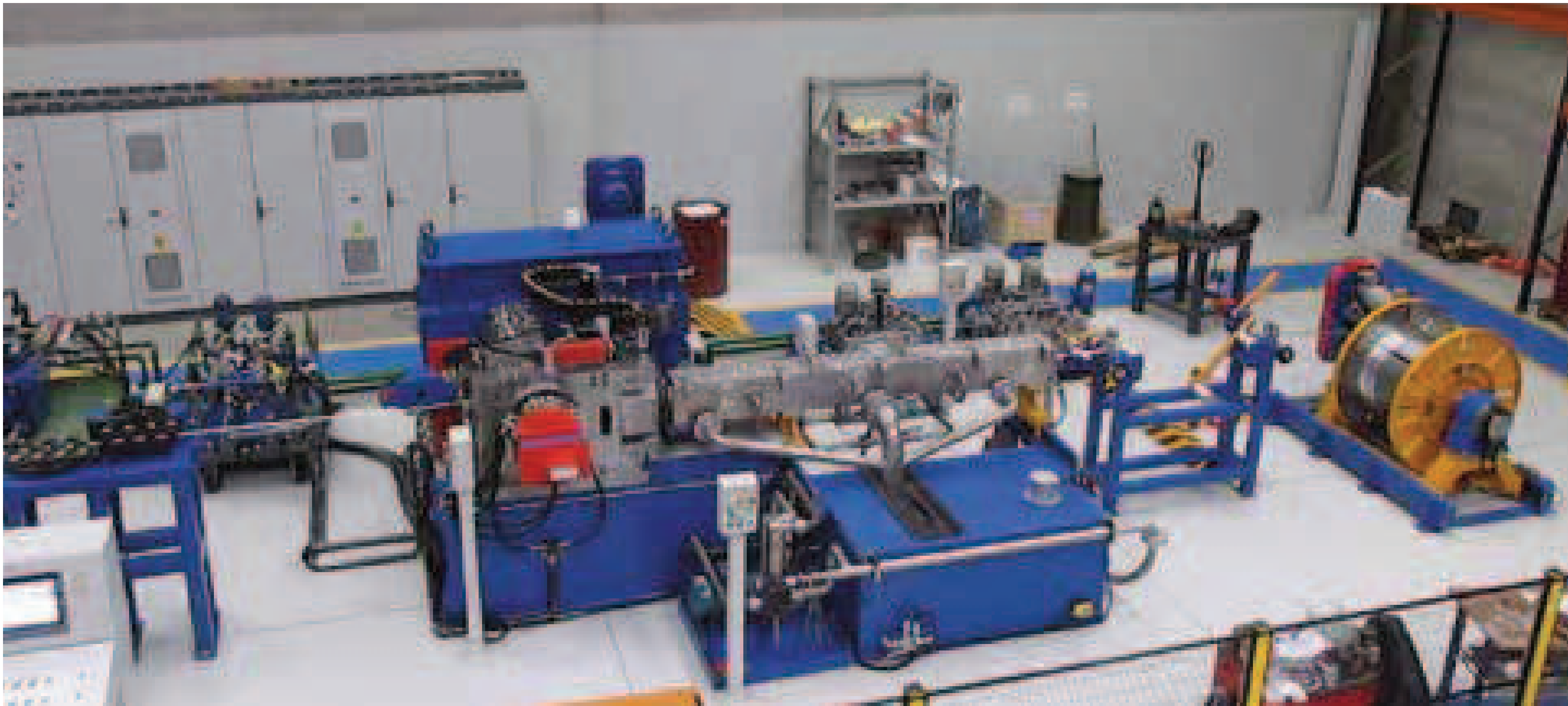


OUR ENGINEERING TEAM PRESENTS

# ALUMINIUM ROTARY EXTRUSION BY PROPERZI

*Aluminium rod can be transformed into solidal conductors ...*



*Pro-Form Machinery in our factory...  
You are most welcome to visit us and see the machine in operation!*

Aluminium rod can be transformed into solidal conductors, tubes, multiport profiles and numerous other special shapes by a continuous rotary extrusion process.

The new rotary extrusion machinery has been branded under the name **Pro-Form**, which stands for **Properzi Forming**.

This acquisition was done a couple of years ago and during this time the detailed design has been updated. **The first Pro-Form machine is now operating with short production**

runs of special profiles and semi-industrial runs with different solidal conductors.

This new Pro-Form is equipped with a 300 mm wheel and motorized for producing a wide range of products and conducting tests on specialty profiles starting from Al and/or Cu rod.

The Pro-Form range of machinery will soon include 420 mm and 500 mm wheel diameters.

The range of applications is almost infinite whereas the major ones include:

- Al alloy rod direct from cast bar
- Cladding of steel wire with aluminium
- Solidal cables and conductors
- Al Alloys Profiles
- Al Bus-bars
- Al Tube and multiport tubes

The aluminium clad steel application will become extremely 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 galvanic corrosion and sparks.

Regarding aluminium-clad steel (ACS) wire, Continuus-Properzi is the only company that can offer all the machinery involved in the entire ACS wire manufacturing process, which includes:

- CCR Al rod line
- Pro-Form line
- Steel Rod Drawing Machine
- Wire Drawing Machine for processing the ACS wire
- Pay-offs and take-ups
- Wire Stranding Machine if required

