

PROPERZI INNOVATIVE EQUIPMENT IN THE WIRE MACHINERY DIVISION

Technology 17

Innovation and continuous development in machinery has always been a must for Continuus-Properti and nowadays, more than six decades after the Company was founded, this modus operandi is still applied to all machinery in all divisions.

In fact, at Properti innovation has always been viewed as the process of knowing every customer's specific needs as the starting point in order to develop new ideas and translate them into new solutions to fully satisfy the expectations of the customer in a viable and economical manner.

The equipment of the Wire Machinery Division is no exception. Shortly after the design of the revolutionary Horizontal Axis Wire Drawing Machine (Photo 1) was completed, the following machinery was subjected to an extensive redesign aimed at increasing the machines' performance in accordance with the latest customer requirements, increasing overall machine efficiency, increasing active and passive safety of the equipment, and reducing required maintenance on the machinery:

- >> The LRPC Strand Line SK1250, equipped with a revolutionary electrical wire-tension control system (Photo 2)
- >> The Vertical Axis Drawing Machine Logos 2.0 Evolution (Photo 3)

Our engineers are currently redesigning other machinery included in our range of products, such as:

- >> LRPC Strand Line SK900, low relaxation PC Strand Line
- >> LRPC Strand Line SK1000, low relaxation PC Strand Line
- >> LRPC Strand Line SK1120, low relaxation PC Strand Line
- >> LRPC Wire Line with single capstan pulling unit, double capstan pulling unit and double pulling unit – double capstan

The underlying intentions and main objectives of this innovation are the following:

- >> Maximize the productivity of the Line by increasing the rotational speed of the skip strander
- >> Reduce the required maintenance by redesigning critical parts such as, but not limited to, skip strander bearings and bows, pulling units and layer winder mandrel
- >> Facilitate maintenance by allowing easier access to maintenance points
- >> Improve the product quality by providing better control of process parameters and by eliminating any point of potential damage to the wire and strand
- >> Provide a user-friendly electrical control system to facilitate the monitoring of process parameters during operation of the Line

The application of all of the above objectives will result in state-of-the-art equipment for the high-carbon steel drawing and stranding sector, once again showing how much innovation is valued and successfully pursued at Continuus-Properti. *By Gabriele Muscarnera*



Photo 1 – Drawing machine Megalogos



Photo 2 – LRPC Skip strand line SK 1250



Photo 3 – Drawing machine Logos 2.0 Evolution