

Revet Recycling – Italy

Belt scale for plastic granules

Revet Recycling srl is a manufacturing company that manages the recycling of mixed plastics through a profile production plant and granule production plant.

Customer need

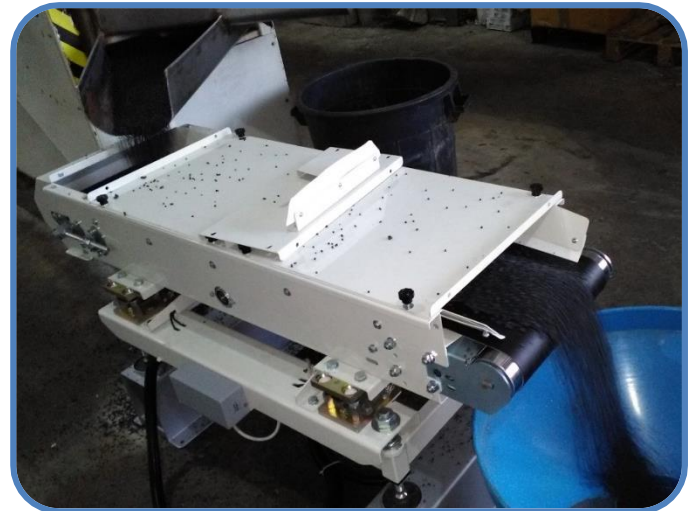
To equip a Gamma Meccanica recycling line consisting of a grinder, extruder, and granulator, **Revet Recycling** was looking for a system able to continuously monitor the production of granules at the extruder output:

- Flow rate capacity up to 3500 kg/h
- Continuous totalization accuracy from $\pm 0.5\%$ to 1.5%, according to flow rate and product type.

SCAIME solution

SCAIME and its partner in Italy, the system integrator **NONIS Srl**, proposed a conveyor belt weighing system equipped with F60X load cells. This load receptor is controlled by an eNod4-B continuous weighing transmitter which takes in charge the flow rate measurement and the continuous totalization of the product.

The weighing data are transmitted by eNod4 to the PLC through the customer's PROFINET network.

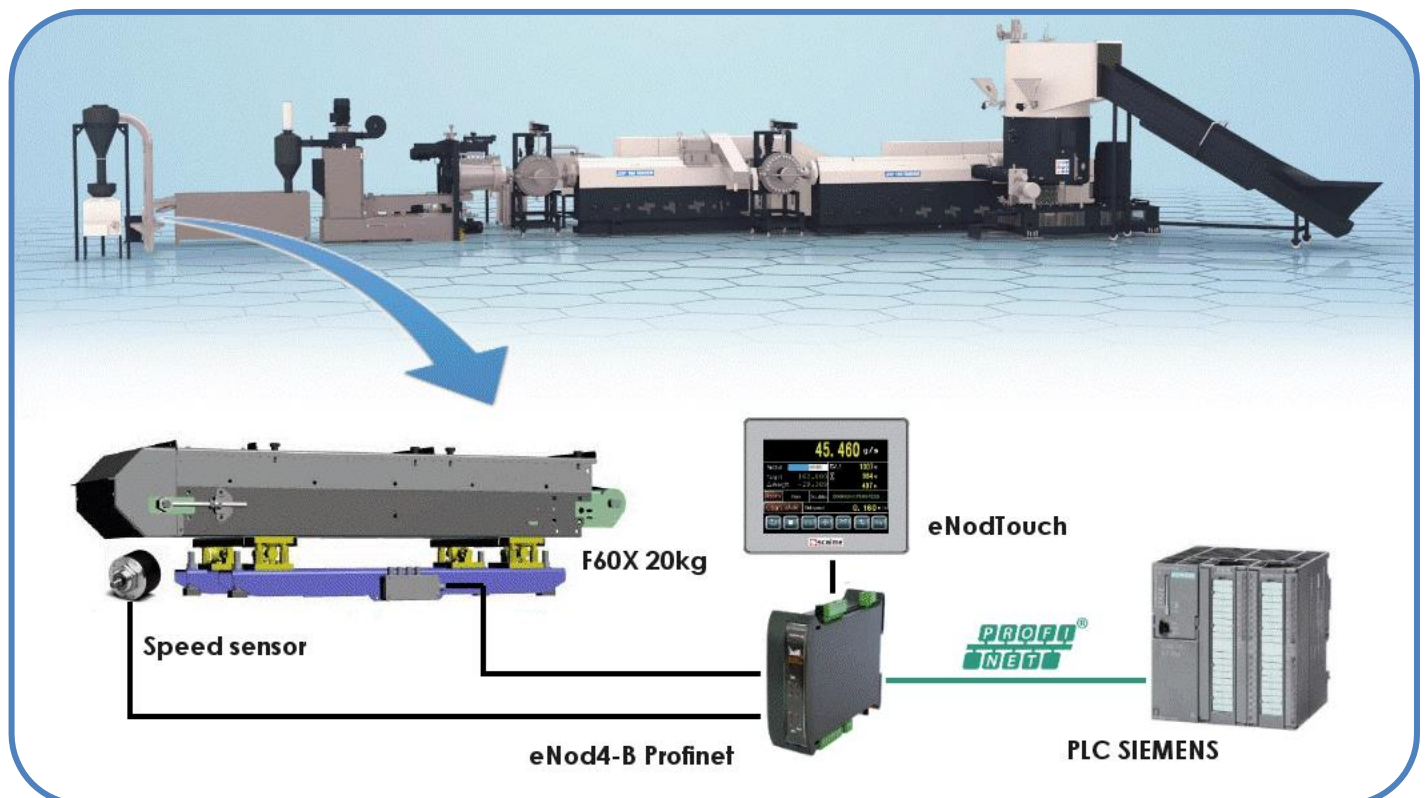


SCAIME products:

- 4 load cells F60X 20kg with STABIFLEX mounting kits
- 1 Continuous weighing controller eNod4-B with eNodTouch HMI

Automation products:

- 1 Siemens PLC
- 1 Conveyor belt, speed up to 12.5 m/min.
- 1 IT65 encoder from LIKA



Customer benefits

- eNod4-B controller allows an efficient production line monitoring: It releases PLC resources by providing accurate flow rate measurement and real time weight totalization of granules.