

ELETTROPLAST S.R.L.

MTA solution for cost saving, efficiency and increase the production in the plastics moulding industry



Elettroplast 

THE CUSTOMER

Elettroplast was founded in 1985 with a fleet of 4 presses specializing in injection molding for third parties, in 2001 Elettroplast moved its production to the industrial area of Paludi increasing the number of presses up to 33. The Company since 2005 has a department for the fast Packaging. The industrial production use robotic systems for the unloading of presses and for the processing of some semi-finished products. Currently Elettroplast is the main supplier of the De Longhi Appliances for what concerns the components of coffee machines.

BRIEF REPORT

End user name: Elettroplast SRL

Business sector: Plastic moulding

Place: Pieve d'Alpago (BL), Italy

Year: 2012

Installed equipment: 1 X AST 110N

Description of equipment: ARIES Tech, air cooled water chillers and heat pumps with R410A or R407C featuring hermetic scroll compressors.

Total installed cooling capacity: 250 kW

THE PROBLEM

The cooling circuit was, for the 33 presses, constituted by 2 free-coolers, one with adiabatic system, managed by temperature controllers and connected to oil exchangers and to the molds. The customer was in trouble during the summer period, because if cooled water temperature exceed 25 °C, the production can be delayed.

THE SOLUTIONS

MTA has developed an integration to the existing system. In detail has been connected a chiller Aries Tech 110N to the existing circuit to support the free-coolers in chilling the water to when the free-coolers are not able to supply the water at the setted temperature.

For an automatic system management MTA has recommended and supported the installer in selecting a 3 way valve.

THE BENEFITS

With the described solution, the customer has received a benefit in terms of saving costs and also the production time now is considerably reduced.

