Breezair™ By SEELEY INTERNATIONAL

Case study

Brawo

Brescia (Italy)

Improved productivity and working conditions with Breezair Evaporative Cooling solution at Brawo

BRAWO

Mechanical processing industry

System installed
Direct Evaporative Cooling System

Supplier & Installer
Italkero

Equipment & Configuration
30x Breezair TBS 580

Brawo is a historic company from Valcamonica and part of the Umberto Gnutti holding. Based in Pian Camuno, it operates two plants and employs around 340 people. The company specializes in hot stamping and machining of non-ferrous materials.

Watch the video case study!

Background

Brawo is a company specialized in hot stamping and mechanical processing of non-ferrous materials, particularly brass and aluminum alloys. Although the facility had been equipped with an evaporative cooling system for over 18 years, a significant rise in internal temperatures was observed—especially during the warmer months. This led the company to reassess its cooling strategy and implement a targeted solution aimed at restoring optimal indoor conditions. The focus was placed not only on lowering temperatures but also on ensuring proper micro-ventilation, achieved through a controlled exchange of clean, filtered air from the outside.

The solution

The industrial facility was already equipped with 22 Breezair coolers by Seeley International, which had been installed and operating efficiently for 18 years. Looking to upgrade and enhance performance, the company turned to Italkero, a Modena-based distributor that has been importing and supplying Seeley International products for over 25 years, to explore potential solutions.

After conducting thorough inspections and temperature measurements, it was determined that the existing system was no longer adequate to handle the increased external temperatures and the additional heat generated by the workstations.

The new project involved replacing the outdated equipment with modern, energy-efficient, digitally controlled units. In addition, the number of cooling units was increased to a total of 30, ensuring sufficient air exchange capacity and optimizing the temperature differential achievable with this technology.

Results

The objectives set for achieving optimal internal microclimatic conditions have been successfully met. To date, during the warmer months, the average indoor temperature consistently remains around 27–28°C.

Thanks to the digital control system of the coolers, the entire installation has been divided into four main zones, each comprising approximately 7–8 units. This zoning allows for more precise and efficient management of each area. Throughout the project, there was excellent collaboration among all parties involved. Upon completion, the system's performance was thoroughly tested and verified, confirming that all project goals and expectations had been fully achieved.

- **Improving Indoor Air Quality (IAQ)**
- **Cool fresh outside air**
- **Energy & Cost saving**
- **No chemical refrigerants (only water used)**
- **Sustainable technology**
- **Easy to install and maintain**

eurosales@seeleyinternational.com

www.seeleyinternational.com

Seeley International France
320 Avenue Berthelot
69371 Lyon Cedex 08
France
Phone: +33 (0) 472 7847 80

Seeley International Italy
Loc.Policiano 72/H
52100 Arezzo Italy
Phone: +39 (0) 575 97189