



ENERGY SAVINGS
IN PLASTICS TECHNOLOGY

DEHUMIDIFYING
COOLING
DRYING

EXTRUSION BLOW MOULDING

BMB BLOW MOULD BOOSTER

Process air volume from 160 to 540 Nm³/h
at 4°C process air temperature

- Very compact unit
- Easy installation performed by customer
- Low investment costs
- Production increases up to 25%
- Low energy consumption

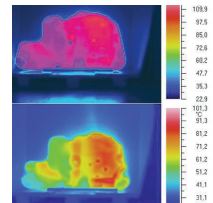
CAC COMPRESSED AIR CHILLER

Process air volume from 120 to 540 Nm³/h
at - 35°C process air temperature

- Production increases up to 50%
- Quality increases through constant cooling process
- Reduced cooling time/cycle time
- High efficient cooling units

General advantages

- Easy integration into production process with fully automatic operation
- Suitable for nearly all blow moulding machines
- Low energy consumption and maintenance expenses
- Quick return on investment between 1 month and 1 year



MOULD DEHUMIDIFICATION

DMS DRY MOULD SYSTEM

Process air volume from 500 to 5.000 Nm³/h for single production machines

- **No need of chilled water**
- Process air running in a closed loop
- State-of-the-art PWM refrigeration technology for automatic regulated power consumption
- Lowest energy consumption (down to 0,0007 kW/m³)

DMS MODULE - CENTRAL SYSTEM

Process air volume from 5.000 to 15.000 Nm³/h for complete production lines and central systems

- **No need of chilled water**
- Higher machine efficiency through shorter cooling time
- Ideal air supply for complete production lines
- Lowest energy consumption

General advantages

- Low maintenance expenses
- Steady product quality and production conditions throughout the year
- Higher machine efficiency through shorter cooling time
- Quick return on investment





RESIN DRYING

RDM MICRO

For throughputs up to 1.000 g/h

RDX RESIN DRYER

For throughputs from 1 to 30 kg/h

RDL RESIN DRYER

For throughputs from 30 to 500 kg/h

General advantages

- Simple installation directly on the production machine
- No interruption of the process chain
- Constant low dew point, no regeneration of process air
- Simple installation
- Low maintenance and energy requirements
- Adjustable material level sensor
- Flexible control of air volume

More effectiveness with the help of dry, dehumidified and extreme cold air in plastic technology

Blue Air Systems, an Austrian-based company, founded in 2010, located in Kundl/Tyrol with more than 25 years of experience supplies the plastics industry with innovative technology. Core subject is climate technology with solutions for extremely dry and cold air for energy efficient processing in the plastics industry.

Blue Air Systems not only develops high quality applications, but also safe and easy to use, Plug and Play solutions, to keep energy consumption and service intervals at an absolute minimum.

A worldwide network of sales and service centres located at representatives guarantee a long-term and optimal customer liaison and support and maintains the value of machines and installations.

Constant growth, worldwide references, innovative technologies and maximum quality standard make Blue Air Systems a global and reliable partner for the plastics industry.

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