

SUSTAINABLE SYSTEMS FOR THE PLASTIC INDUSTRY

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EISBAER.AT



CONTENT

02
03

EISBÄR TROCKENTECHNIK GMBH	04
CUSTOMER NEEDS IN FOCUS	07
DAS DRY AIR SYSTEM	08
DAS-K DRY AIR SYSTEM	09
GDS GRANULE DRYING SYSTEM	10
DP DRY PACK	11
PLUG & DRY ALL-IN-ONE MATERIAL DRYER	12
RECYCLING PROCESSING RECYCLED MATERIALS	14
PET CRYSTALLIZER FOR FLAKES AND GRANULATE	15
MIXING & DOSING GRAVIMETRIC MIXING UNIT	16
LC LIFTCOOLER	17
BACS COOLING SYSTEM FOR BLOW MOLDING	18
SPECIFIC SOLUTIONS FOR THE PLASTICS INDUSTRY	19

SUSTAINABILITY STARTS IN OUR MINDS



Eisbär manufactures high-quality systems for drying, dehumidification and cooling for the plastics industry. Through cooperation and partnership, Eisbär develops and implements unique, energy-saving solutions to meet all customer requirements.

Eisbär Trockentechnik GmbH is present worldwide.



CUSTOMER BENEFITS



SERVICE



KNOW-HOW



Our sales team (from left to right):
Elfi Breuss, Martin Spiegel (CEO), Sarah Prinz, Manuela Feuerstein

CUSTOMER NEEDS IN FOCUS



ADVANTAGES

Easy to operate and
innovative technology

Excellent energy consumption

Visionary low cost of
lifetime ownership

ADVANTAGES

Cleaner products without water marks.

Increase in your productivity.

Constant quality.

Protection of molds and machines against corrosion.

Amortization mostly in less than 12 months.

Two-stage mold dehumidification

DAS

DRY AIR SYSTEM

DAS – To avoid condensation on cooled molds



Single-stage mold dehumidification

DAS-K

DRY AIR SYSTEM

DAS – To avoid condensation on cooled molds



ADVANTAGES

No refrigeration (easy maintenance, protection of the environment).

Process air drying using reliable adsorption drying.

Closed process air circulation – continuous quick drying process.

Low energy consumption.

No cooling water required (system without chiller).

Material drying

GDS GRANULE DRYING SYSTEM



ADVANTAGES

Continuous dehumidification guarantee extremely well-dried material.

High product quality and few moving parts.

Energy saving by means of throughput control, recursorb, dew point control, generously rated plate heat exchanger.

Condensate separator as standard.

System sizes (material throughput) completely open upwards.

Complete data connectivity.

Combined material drying and mold dehumidification

DP DRY PACK



ADVANTAGES

Continuous dehumidification guarantee extremely well-dried material.

High product quality and few moving parts.

Energy saving by means of throughput control, recursorb, dew point control, generously rated plate heat exchanger.

Condensate separator as standard.

System sizes (material throughput) completely open upwards.

Integrated mold dehumidification.

No condensation on cooled molds.

Complete data connectivity.



ADVANTAGES

Suitable for material throughputs between 25 and 200 kg/h.

Compact, space-saving design.

Electrical connection only.

No cooling water.

Low energy consumption.

WLAN connection to mobile devices possible.

Material dryer for low material throughputs

PLUG & DRY

ALL-IN-ONE MATERIAL DRYER

Experience

RECYCLING PROCESSING RECYCLED MATERIALS

Recycling plastics is gaining more and more importance as well for consumers as also for brand owners. Eisbär drying systems are specially configurated to face the challenges of processing recycled plastics. Focussing on high throughputs and having condensate separator as a standard, it doesn't depend in which step of a process the recycling materials are, Eisbär systems are also able to remove volatile organic compounds mainly.



PET CRYSTALLIZER FOR FLAKES AND GRANULES

ADVANTAGES

The new generation of PET crystallizers can be used to crystallize both flakes and granulate.

Manufactured in stainless steel.

High material throughputs can be realized using the crystallizer from Eisbär.



MIXING & DOSING UNIT



ADVANTAGES

High throughputs up to several tons per hour possible.

High dosing accuracy.

Continuous mixing.

Gravimetric and volumetric design.



Cap cooling

LC
LIFTCOOLER

ADVANTAGES

Greater dimensional stability after ejection.

Lower residual heat.

Shorter cycle times.

No cooling water required.

No additional conveying system necessary (transverse conveyor belt extra).

Blow air cooling

BACS

COOLING
SYSTEM FOR
BLOW MOLDING



ADVANTAGES

Productivity increase due to short cooling cycles.

Constant product quality due to constant temperature.

Easy to operate and maintain.

Low energy consumption.



CUSTOMERSPECIFIC SOLUTIONS FOR THE PLASTICS INDUSTRY

Research and development are the engine of our technological progress—innovation is no accident. Eisbär innovation management forms the framework for new developments as well as for the optimization and updating of existing solutions. Our experience as an established manufacturer with extensive practical expertise and with a focus on understanding customer requirements is our outstanding strength. Eisbär is your flexible, innovative partner for new competitive, tailor-made system solutions.

A further important Eisbär competence is the networking and digitalization of existing and new system components in the context of Industry 4.0. The clearly structured indication and processing of all operating data form the basis for optimal person-machine interaction, for efficient control and maintenance.



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