

dry facts

www.bryair.com

Leaders in Dehumidification...Worldwide

Bry-Air

PAIWA GROUP
Innovation is life

DRI™
Innovative Air Solutions

delair®
The Compressed Air Treatment System Company

TDS™
Air Solutions on Rent

155

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Quality Air Solutions for the New Decade . . .

Coming together with our customers,
business associates, co-workers and
the community at large
at . . .



Bry-Air participation at CPhi and P-MEC, 2019

Partnering the Pharma Industry for over 5 Decades



ECHO (International Rep Meet) Gurugram

Bry-Air team engaging with key pharma customers and business associates from India and South Asia



Networking over Cocktails and Dinner Greater Noida

Bry-Air team engaging with key pharma customers and business associates from India and South Asia



9th Annual free Eye Camp, Dr. Mathra Das Civil Hospital Moga, Punjab

Bry-Air CSR initiative benefiting over 900 people from the vicinity

We are never too far from you . . .

The decade gone by . . .
The year gone by . . .

REWIND 2019

Knowledge sharing - Industry Insights . . .

INNOVATION MAKER
Innovation in technology and business processes is our Driving Philosophy at Bry-Air
By: [Name] | 20 Nov 2019 | 4.9

Bry-Air and its group companies offer a wide range of products catering to varied customer needs related to dehumidification, gas phase titration, plastic drying and conveying, dry rooms for lithium battery production and absorption chillers. Bry-Air solutions are backed by intensive research and are highly customized and engineered to customer needs, to an exclusive proposition with Machine Value, **Adhik Kumar Prusty**, Executive Vice President of The Global Private Limited talks about Automation in Capital Goods and Automotive Industry, amongst.

"Our product offerings are not mass produced. Each machine is custom-engineered for a specific customer need and is designed to meet the highest standards of reliability and performance. Innovation in technology and business processes is the driving philosophy at Bry-Air and its group companies," explains Prusty when asked about the details of the solutions deployed in the capital goods industry and where it is applied from.

He further adds that the capital goods industry contributes approximately 12% to the total manufacturing in India. It is engaging the top management level executives that require well-thought-out solutions to achieve the desired output. Since it serves as a strong base for its engagement across sectors such as Engineering, Construction, Infrastructure and Consumer goods, the capital goods industry is an emerging hub for solutions to be cost-efficient and energy-efficient.

Capital goods are vulnerable to damage and wastage which can be avoided through the deployment of automation and technologies. These technologies are an integral part of industrial equipment used in manufacturing plants to develop. The industrial automation industry in India is expected to reach \$5.5 billion by 2025. Automation in the manufacturing industry has made manufacturing processes efficient and defect-free.

The process of manufacturing has transitioned from being manual to machine-run. This has been the biggest automation in the sector.

Innovation in technology and business processes is our Driving Philosophy at Bry-Air

indus FOOD TECH

"We are leaders in de-humidification globally."
By: [Name] | December 4, 2019

For the past 55 years, Bry-Air has been specializing in designing and manufacturing desiccant-based engineered dehumidification systems capable of handling demanding applications in sectors such as food processing, lithium-battery, pharmaceutical, semiconductor, electronic industry, turbine storage, cold storage etc. Today, Bry-Air is the world leader in dehumidification.

With subsidiaries in China, Malaysia, Brazil, Nigeria and Switzerland, and an associate plant in the USA, Bry-Air has footprints across the globe. The company's range of products finds application across industries and has installation in over 80 countries including Southeast Asia, China, CIS countries, Indian subcontinent, West Asia, Middle East and Africa including South Africa & Australia as well as USA and Japan.

A Mechanical Engineer by education, Vijay Chaudhry, Executive Vice President, International Business, Bry-Air (Asia), leads the entire international business and direct exports of the company. Talking to IndusFood-Tech, Chaudhry gives insights from his experience of over 28 years in managing the entire business value chain. He elucidates on the importance of industrial air treatment technology for the food processing industry and also gives a brief on the new technologies recently introduced by the organization. Following are a few excerpts from the interview:

IndusFood-Tech: Tell us about the company's formation and growth story? How have you evolved as a business in India and abroad?
Vijay Chaudhry: Bry-Air is the leader in dehumidification worldwide. We are a global solution provider for dehumidification and drying, gas phase titration, plastic drying, conveying & mould

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Catering to new day customer needs, new product launches, customer engagement at tradeshows and exhibitions, internal training and resource/reach expansion to be nearer to our customers

Actively engaging with its diversified customer base at the booths at:



Building air engineering foundation and application knowledge to provide quality air solutions
Bry-Air sales engineers attended rigorous 8 day residential training to be future ready to deliver to the fast evolving customer needs

Bry-Air
Leaders in Dehumidification...Worldwide

Compact Dry Room for Lithium Battery production

Nano Dryer for Plastics Resin Dryer

DRI
Innovative Air Solutions

Dedicated Outdoor Air Systems (DOAS) with Refrigeration on Board

Arctic Cooler for Evaporative Cooling

delair
The Compressed Air Treatment System Company

Refrigeration Dryer

Desiccant Dryer

When *moisture* is Torture

In this column, we share our experience with you regularly in major application areas where usage of dehumidification is both extensive and essential.

No more 'Tears'

Don't let your tear gas shells delay smoke formation and cause pain



Humidity/ Moisture Control is essential during tear smoke shell and grenade manufacturing.

Tear gas shells/ grenades are used by defence services and law-enforcing agencies for crowd control across countries. The tear gas compounds are meant to bring about temporary incapacitation by causing irritation of eyes, nose, respiratory tract and skin with consequent production of profuse tears and mucus. They are generally considered to be safe and only cause temporary pain and lacrimation for bringing crowd and mob under control.

CS powder, also called o-chlorobenzylidene malononitrile, the main component of tear gas on coming in contact with moisture tends to impact the free flow and cause lumping during the process. Lumping of powder thereby leads to delayed smoke formation which in turn defeats the major purpose of tear gas usage.

Uncontrolled moisture during production of tear gas shells leads to slowing down of the entire process and if not stored in ideal RH conditions, the crowd control agents (tear gas shells) may even misfire. Ideal storage facilities for tear gas shells should maintain a temperature of 60°F with a lower of 50% or lower relative humidity.

Extreme temperature exposure should be avoided with storage areas being as cool and dry as possible. In tropical regions, where both humidity and heat are high, the shelf life of the tear gas/ smoke shell is anticipated to be all the more shorter.

The solution

Bry-Air's recommendation is to maintain the humidity levels between 45% and 55% at 22°C-24°C in the production areas.

Say 'Cheese'

Prevent your cheese from contamination and help retain its original quality, flavour and taste

Humidity Control Solutions to make Cheese Processors and Exporters Smile. Maintaining humidity at desired levels across cheese processing facilities be it curing rooms, storage, packaging area is utmost essential. It not only helps improve the quality of cheese but also prevents spoilage, thereby resulting in processing efficiency and better return on investment. Dehumidification helps reduce the curing time and retain the superior quality of the cheese.

Cheese being a highly perishable product and with variety of cheese available and an ever increasing demand, cheese is available in powder and spreads, handmade and exotic, goat cheese and cow's/ sheep's milk cheese, all making cheese processors all the more careful of the hygiene and sanitary conditions maintained in their processing facilities.

The solution

Bry-Air dehumidifiers help cheese dry at consistent and stable humidity levels, reducing curing time by upto 70% and ensuring your cheese products retains the high quality, texture and taste.

With Bry-Air dehumidifiers installed at your cheese processing facilities, you will always have a smile on your face be it anywhere across the globe.

Typical cheese, dairy powder processing unit grapple with the following humidity related challenges:

- Wet Surfaces due to condensation in the cheese processing areas
- Risk of mould growth and bacteria developing in critical locations due to wet surfaces and high humidity
- Unpredictable curing time and quality deterioration due to external moisture conditions
- Variable productivity and wasting of product because of the various layer of fungus and mould formation after the curing time
- Risk of moisture regain during cooling stage of Cheese powder before packaging

General

Recommendation

Maintaining ambient relative humidity levels between 45% and 55% is recommended for optimal performance and reliability at room temperature maintained between 20°C to 22°C

Bry-Air

www.bryair.com

For more information on any product application covered in this issue, please write to:
Marketing: Bry-Air (Asia) Pvt. Ltd.

C, Sector 18, Gurugram, 122015 (Haryana)
Phone: +91-124-4091111, Fax : +91-124-4091100
Email : bryairmarketing@pahwa.com Web : www.bryair.com

E: U74210DL1981PTC012456

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