Commitment to quality & environmental concerns

DEEPAK PAHWA, CHAIRMAN PAHWA GROUP & MANAGING DIRECTOR BRY-AIR (ASIA) TALKS TO ET POLYMERS ABOUT COMPANY’S PRODUCT MANUFACTURING CAPABILITIES.

Please tell us about Bry-Air’s operations in India.
Bry-Air headquartered in India, the leader in dehumidification worldwide, is a global solution provider for dehumidification and drying, gas phase filtration, plastics drying, conveying, blending & mould dehumidification, and energy smart cooling using waste heat. Bry-Air has subsidiaries in China, Malaysia, Brazil, Nigeria and Switzerland, and an associate plant in the USA.

In the plastics auxiliary space, Bry-Air is the first and the longest plastics dryer manufacturer in India. We have been the leading suppliers of Plastic Dryers since 1978 not only in India but also in North America. We have the largest dryers installed base in North America from our Indian manufacturing facility. Today, we manufacture the most energy efficient and reliable dryer in the world market and have the biggest sales and service network in the country.

Tell us about the company’s manufacturing capabilities.
Bry-Air along with its three group companies under the umbrella of Pahwa Group, is the fastest growing Adsorption Technology group in the world. The group employs a strong team of over 1500+ persons and has seven manufacturing units in India and four overseas. Out of total 1500+ workforce, more than 700 are engineers. The core strength of all the group companies is concentrated in deisicant and desiccant-based technologies.

The company has recently updated its ISO certification to the latest ISO 9001:2015 and ISO 14001:2015. We are delighted to be early adopters of updated ISO guidelines. This reinforces our commitment to quality and environmental concerns. Bry-Air plants are among the most modern in the industry, supported by strong R&D and testing, latest 3D designing, CNC fabrication, powder coating facilities and automated conveying system.

The company’s R&D centre is recognised by the Department of Science and Technology and is undoubtedly one of the finest in the industry. The labs are continuously engaged in state-of-the-art product development and the introduction of Dryers, Conveying System and Blenders.

Deepak Pahwa, Chairman Pahwa Group & Managing Director Bry-Air (Asia)

How has been past one year for your company?
The past one year has been incredibly satisfying for Bry-Air. We launched several new technologies, and the prominent one is super BrySmart™ series dehumidifiers.

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Tell us about your products that are specially made for the plastics industry.

Bry-Air’s Moisture MinderTM Inline Moisture Analyzers, Gravimetric Blender and BWD series dryers, are our three important and the recent products introduced to the plastic industry.

Moisture Minder – The Moisture Minder sensor is the only on line, real-time moisture analyser that provides a moisture content of hygroscopic plastics in percent of ppm (parts per million). It is an Innovative moisture sensor capable of measuring moisture content down to 5 ppm. BRYSCAN sensors are built as a moisture analyser inline and are extremely useful in measuring internal and superficial moisture. It is a robust and powerful asset to a wide variety of industries like extrusion, injection moulding, food processing, grain milling, chemical and pharma.

Gravimetric Blender – Most gravimetric blenders available in Indian market today are manufactured overseas and then assembled in India. Unlike most blenders, Bry-Air gravimetric blender is the only indigenously developed gravimetric blender of the country. Our Swiss engineering team has developed the software algorithm which is the heart of the product. It has now got great accuracy not available with any of the available gravimetric blender in the market.

Tell us about one of the innovations that has been well received by the industry.

Bry-Air is the innovator of inline moisture measurement technology, for the plastic industry, through our Swiss subsidiary. Moisture Minder is developed and manufactured in our Swiss subsidiary Bry-Air Prokon. This Swiss made technology product is an answer to all the problems related to wastages due to dewpoint and time-based estimates, over drying and time-consuming offline testing that identifies the out-of-spec material. With 200+ installations in USA and Europe, the product ensures the highest level of wastage and precious time-saving. The product is very well received by the leading plastics processors in the USA and Europe and is now being aggressively marketed to quality conscious plastics processors in India. The product caught attention by the leading automobile component manufacturers in Europe who are using it to ensure perfect moisture content in the final product while saving substantial energy. Bryscan sensors are capable of measuring moisture content down to 5 ppm and have been designed to meet the most demanding requirements and needs expressed by the industry. The rugged stainless-steel body supplies long life with accurate results. The measuring method enables the determination of core moisture content independently to the density, colour and surface structure of the measured material. Based on compact construction, they can be easily installed in various places within the production line. The products are built using quality components, to the highest standards and specifications.

Aerodynamic systems

Magna showed its growing range of active aerodynamic systems at the North American International Auto Show in Detroit, with an active air dam launching on the 2019 Ram 1500 pickup truck. The air dam deploys automatically to redirect air around the vehicle and provide emissions and fuel-economy improvements. It is the first of its kind on a high-volume production vehicle.

Combined with Magna’s active grille shutter, the aero system on the 2019 Ram achieves an estimated 7 percent drag reduction and 1 mile per gallon fuel savings on the highway. Across the Ram truck fleet, the active aero system is expected to save an estimated 10 million gallons of fuel annually. “We appreciate the opportunity to collaborate with the Ram engineering team and bring our new air dam system to market on the new Ram pickup,” said Grahame Burrow, President of Magna Exteriors. “As automakers seek ways to meet emissions and fuel-economy targets, our innovative solutions are able to combine styling with aero to take vehicle performance to new levels.”

The Ram’s active aero systems are driven by smart actuators and power systems developed in-house by Magna’s closures unit. The actuators communicate directly with the vehicle’s control systems and ensure the aero systems deploy correctly, based on vehicle inputs such as speed, temperature and drive mode. Magna’s active aerodynamic expertise has grown significantly in recent years with more than 10 million active grille shutter systems on the road. Additional product innovations include active underbodies, active wheel deflectors and active rear diffusers, which can be applied across all vehicles from small cars to commercial trucks.

Source: Magna
New opportunities!

GIVEN INDIA’S HUGE DEMOGRAPHICS, THE POTENTIAL FOR THE GROWTH OF PLASTICS CONSUMPTION IS ENORMOUS IN OUR COUNTRY, SAYS PREM SAGAR, DIRECTOR, BRY-AIR (ASIA) PVT LTD

India’s per capita plastic consumption is quite low compared to some of the other leading economies. However, given India’s huge demographics, the potential for the growth of plastics consumption is enormous in our country. With the focus on sectors like infrastructure, power, agriculture and housing, the use of plastics is likely to go up. My estimate is that plastics consumption in India will double from the current stage in three years’ time. So, plastics has great future in India.

We have been catering to the plastics industry since 1988. We are market leaders when it comes to the conditioning of air, whether it is drying, moistening, compressing, expanding, cleaning, cooling heating and so on.

While there was some kind of slow down in the market due to regulatory changes, it did not impact Bry-Air as we have a diversified presence. For example, we have a big focus on the pharma sector.

But it is good to see that the market is now opening up and there are huge opportunities for the established players as well as for new entrepreneurs. I see huge scope for job creation in the private sector.

Trade fairs like Plastindia play a big role in furthering the industry’s progress.

Growing footprint

ET POLYMERS CAUGHT UP WITH AMLAN DAS, MD FOR INDIA AT SOLVAY’S SPECIALITY POLYMERS GLOBAL BUSINESS UNIT AND JITENDRA BHARIHOKE GM, SOLVAY GROUP

At Plastindia 2018, Solvay announced that construction of its new Veradel™ polyethersulfone (PESU) production unit in Panoli, India remains on schedule to reach full capacity by mid-2019 to support growing local and global demand for this high-performance thermoplastic. Construction of the new plant represents Solvay’s larger advocacy of the Make in India program. “Solvay has earned a reputation for reliability in India through its established footprint of production plants and joint-ventures on the sub-continent, as well as its local network of world-class Research and Innovation Centers,” said Amlan Das, MD for India at Solvay’s Specialty Polymers global business unit. With over 35 product lines available – encompassing sulfone polymers, aromatic polyamides and polyketones, as well as fluorinated polymers, liquids and elastomers – Solvay’s products meet a broad range of demanding performance requirements in a wide variety of industries.

“Business is doing well. We are growing double digit year on year. However, if we look at the Specialty Polymers in India, I would say that we have a much bigger potential to grow. The right direction that we are going right now is that make in India. I say that because India is a more of consuming economy and only about 16 percent of the GDP is manufacturing. And unless we shift into the high-end areas of manufacturing, this percentage will not grow,” Das added.

Jitendra Bharihoke GM, Solvay Group, also spoke to ET Polymers at Plastindia. Sharing about the focus of the engineering plastics business, Bharihoke said that automotive formed 65 percent of the business while the other two focus areas were electricals and the industrial group. “We engage extensively with the automotive industry, with the OEMs, with the tiers and also with the moulders. We keep working closely with the OEMs looking at the future expectations, demands and trends,” he said.

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