



One stop shop for plastic auxiliaries

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# ECOPLAST

...News from **Bry-Air**®  
ISO 9001 : 2000 & 14001 Certified

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**Bry-Air**® upgrades to ISO 9001:2000 from ISO 9001:1994

At Bry-Air, the effort has always been to keep improving. Thus, it was natural for Bry-Air to opt for upgradation to ISO 9001:2000, and moulding our systems to be more customer-centric.

**Bry-Air, also re-certified for ISO 14001.**

## **Bry-Air**® Plastics Auxiliaries making its mark in Asia and Africa.

International plastics processing companies like 3M, Golden PET, Great Wall Plastic, Ralco Plastic, Perusahaan Jaya Plastik, APM Plastics, Kumpulan Jebco, **Malaysia**, General Plastics, **Kenya**, Polypack, **Malawi**, Devaki Polymers, Atlas PET & Sujal Plastics, **Nepal**, VIP, Nitol, Matador Ballpen & Supersign Industry, **Bangladesh**, Alesayi Beverage Corp., **Saudi**



**Bry-Air**® Booth at PLASTINDIA 2003

**Arabia**...to name just a few, are now regularly opting for Bry-Air Auxiliaries for supporting their processing .

**General Plastics, Kenya**, one of the largest manufacturer of Plastic products in Kenya has been sourcing all its Plastics Dryers and Hoppers from Bry-Air since 1995.



Team from General Plastics, Kenya, along with Bry-Air Team at the Display Area at Bry-Air's Corporate Office.



# IN THE INDUSTRY

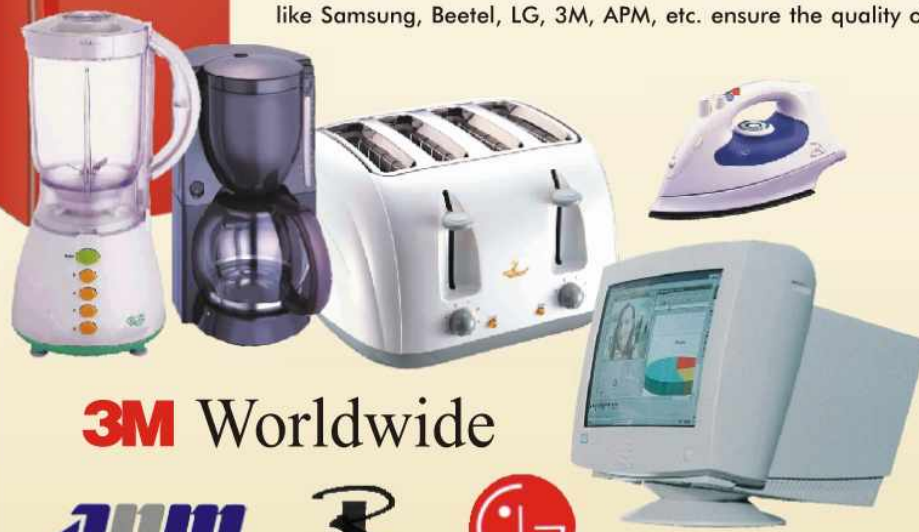


## INJECTION MOULDED Plastics are here to stay

**Injection moulded plastic products have become an indivisible part of our everyday lives specially with our ever increasing dependence on white goods and office automation products.**

Injection moulding machines are much in use because of their speed to meet the sophisticated needs of today's plastic manufacturers. Injection moulding is ideal for producing high volume, good quality products and components as the process can produce mass of intricate, high performance, high tolerance parts with very little secondary labour and minimal waste. Typically, the material is fed from a hopper to a heated chamber where the material is softened, and then forced by a screw into a mould. Pressure is maintained until the mass hardens sufficiently for removal from the mould.

Bry-Air Auxiliaries like Dehumidifying type resin dryers, hoppers, conveying systems, chillers, dosers .... ensure consistent quality during injection moulding. Many white goods and office automation products manufacturers like Samsung, Beetel, LG, 3M, APM, etc. ensure the quality of their processing with Bry-Air Plastics Auxiliaries.



**3M Worldwide**



beetel





# IN THE SPOTLIGHT

## Lenses, Golf Balls and Electrical Switches.

We bring you here experiences of some of our customers with Bry-Air Auxiliaries



### Lenses

**Opto & Allied Engg. Pvt. Ltd.,** Bangalore is a leading manufacturer of high grade lenses for cameras, audio visual and scientific equipment and magnifying glasses for OEMs of leading Camera and AV equipment brands.

Their lenses are processed on ARBURG Injection Moulding machines from Austria and involve processing of highly hygroscopic optic grade-transparent material/resins like SUMIPLEX, manufactured by M/s SUMIPET Chemicals Ltd.



Needless to mention that they depend on Bry-Air dehumidifying plastics dryers to ensure that the resins are thoroughly dried prior to processing.

As a recent expansion, they have constructed a sophisticated, dust free air-conditioned moulding shop floor and plan to add more moulding and auxiliary machinery to cope with their increasing bulk orders from OEMs.



### Golf Balls

**The Mayor Group**, since 1961, has been one of India's largest manufacturers and exporters of sporting products as well as a leading player in the global market. They are best known for the manufacture of soccer balls and many other types of inflatable balls.



Mayor Group ventured into manufacturing golf balls in 1995 and since then has been a major supplier of golf balls. Mayor also manufactures rubber tees in six sizes and Blister Packaging.

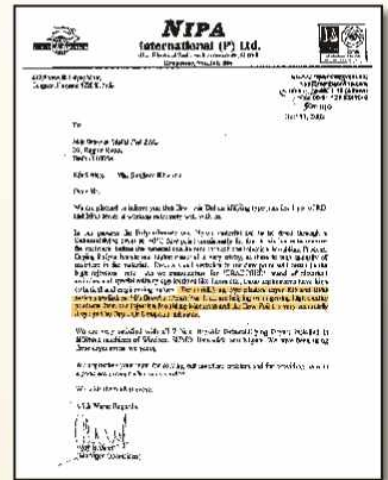
A 100% EOU and OEM supplier of golf balls for International Brands like Dunlop, Fila, Donnay, Nike etc, the final quality of their products is essential.

Thermoplastics Inomer, used for manufacturing golf balls, is highly hygroscopic and needs to be thoroughly dried for 12 hours prior to the injection moulding process. Proper drying ensures that it retains its aesthetic as well engineering characteristics.

Again, Mayor has several injection moulding machines of international brands and have been using Bry-Air Dehumidifying type plastics dryers, RD and BPD series, to dry the resins at (-)40°C dewpoint consistently for the last eight years.



### CRABTREE Electrical switches

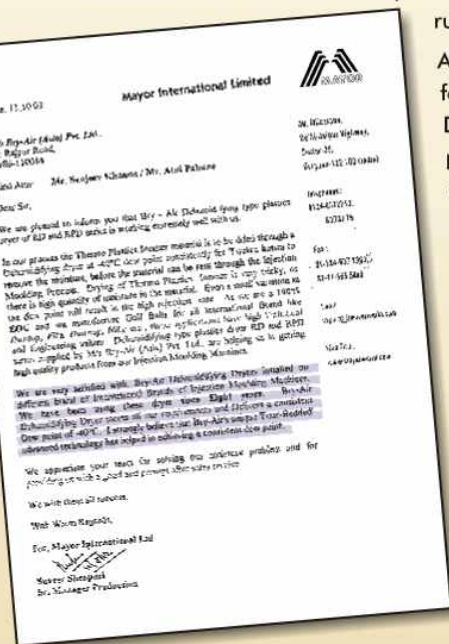


**NIPA International Ltd,** manufacturer of world class "CRABTREE" brand of electrical switches and liners for railways, uses different brands of Injection Moulding machines, viz., Windsor, SUMO, Battenfeld and Nigata to process the highly hygroscopic Polycarbonate and Nylon material.

However, NIPA uses only one brand, Bry-Air, to ensure that the hygroscopic Polycarbonate and Nylon material is thoroughly dried at (-)40°C dewpoint. NIPA has seven (7) nos. Bry-Air Dehumidifying type plastic dryer series RD and BPD.

Both Nylon and Polycarbonate material are engineering plastics, and are required to be dried for four to six hours consistently, in order to remove the moisture, before it is sent to the Injection Moulding machines. Drying Nylon and Polycarbonate is very tricky as it contains high quantity of moisture. Even a small variation in the dewpoint can lead to a high rate of rejection. Bry-Air dryers ensure that the drying is at a constant dewpoint of -40°C, which is also displayed accurately by the dewpoint indicator.

NIPA has been using Bry-Air dryers for the last five years satisfactorily.





# PRODUCT REVIEW



## Centralized Dehumidifying Drying System

Bry-Air Centralized Dehumidifying Drying System consists of a plastics dryer, supplying dehumidified air to a row of medium sized machines with mounted drying hoppers. Such systems are a practical alternative to individual machine dryers when total drying requirements are large.

The most advanced solution for uniform drying of hygroscopic resins/ engineering plastics to meet the high standards of product quality, Bry-Air Centralized Dehumidifying Drying System provides the flexibility of drying different materials at different temperature as one dryer connected to multiple hoppers can dry multiple materials at different temperatures simultaneously.

With the option of packaging a dehumidifying dryer with two or three drying hoppers on a single stand, Bry-Air Centralized Dehumidifying Drying System can be easily



customized for specialised applications like PET processing, Optical Fiber cables and CD manufacturing.

The Bry-Air Centralized Drying System is CNC fabricated, powder coated and operates in a closed loop circuit, designed to ensure (-)40°F/°C dewpoint with reduced energy consumption.

It has user friendly digital controls with highly accurate fault indicator and drying station display. Independent heater banks have been provided at each hopper for maintaining different temperature required to dry different resins.

Products from  
**PAHWA**  
ENTERPRISE

**EGGPLAST**™



**EGGDY**™



**EGGFRESH**™



**EGGCOOL**™



At the heart of  
perfect moulding  
**Bry-Air**®  
Plastics Dryers

## Plastics Auxiliary Equipment

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