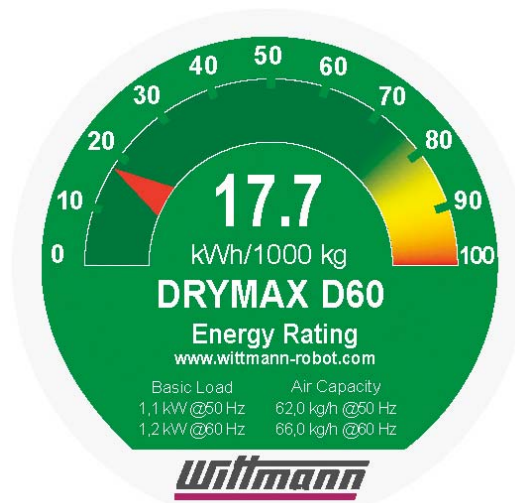


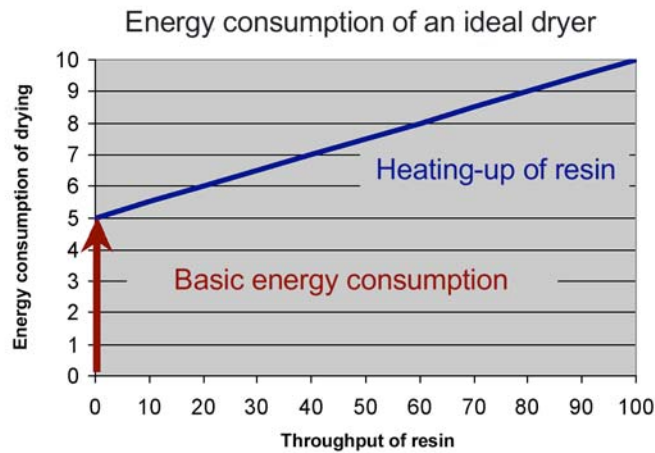
**NEWS RELEASE**June 1<sup>st</sup>, 2008**WITTMANN DRYMAX DRYERS**  
**COMPLETE WITH ENERGY RATING**

*New: The WITTMANN Energy Rating Label.*

When it comes to consumer goods, the methods that are generally used to determine energy consumption are standardized and understandable. However, this isn't the case for the plastics processing industry, where establishing the energy consumption for many products means using internal company measuring methods that naturally differ from each other and, are rather tolerant when it comes to interpreting the data. The sales argument of energy efficiency and energy savings – which is sometimes overemphasized and raises the question very quickly as to what the respective data is referring to and how it can be verified.

WITTMANN has introduced a comprehensive testing program to establish energy ratings for their **DRYMAX** dry air dryers. After several years of research, WITTMANN has developed a standardized rating method based on stringent test conditions that provide repeatable results for the actual energy use.

Optimizing and minimizing energy consumption is just one step towards preventing climate change. In terms of resin drying, energy represents a big portion of the cost. Although **DRYMAX** dryers are provided with many standard energy saving features like insulated stainless steel hoppers, **SmartReg**<sup>TM</sup>, 7-day timer and **SmartFlow** for multiple hopper units, the largest amount of energy is used to heat the resin and remove moisture. For this reason, one must begin by looking at the initial moisture content of the resin and the ambient conditions.



For test purposes, WITTMANN specified an ambient temperature range of 27–38 °C and an ambient dew point between 20–24 °Cdp, both which are representative of actual production conditions that could exist anywhere in the world. It should be noted, that the ambient moisture is more important for energy consumption than ambient temperature. In order to compare between the different sizes of dryers, WITTMANN needed to find one common property relative to the dryer size. Air flow was selected as it is based on the dryer size and was specifically determined by the measurement of the actual mass flow of air. Then, simply put, WITTMANN defined the actual energy rating as the basic energy consumption per mass flow of air.

To further test the validity of their results, WITTMANN compared actual test results with theoretical values. Once tested, every dryer model will be labeled with an Energy Sticker showing the measured test result in terms of kWh per unit weight of dry air. Processors buying a dryer based on energy efficiency or energy savings should ask the supplier for the actual test data and then have them explain how it was measured. If they can't or are unwilling to provide this information then you must ask yourself about the value of the data in making any meaningful comparison.



***DRYMAX Dryer, wearing the new WITTMANN Energy Rating Label.***

WITTMANN is a global manufacturer offering plastic processors worldwide a complete range of innovative automation technology and auxiliary equipment – from autonomous work cells to centrally managed and controlled system solutions. Products include sprue pickers, robots, end-of-arm-tooling (EOAT), degators and complete automation work cells; fully integrated materials handling systems with dryers, blenders, vacuum loaders and receivers, railcar unloaders, silos, pumps, central filters, tilt tables and surge hoppers. WITTMANN also offers beside-the-press and central granulators and water products including flow regulators and mold temperature controllers.

With its entire line of peripheral equipment, WITTMANN can cover all the needs of plastic processors. And, their worldwide presence through subsidiaries allows WITTMANN to offer superb local service and sales support.

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