

# PRESS RELEASE

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## Piovan Asia joins ASEANPLAS in Singapore

Piovan Asia will be present once more at ASEANPLAS, taking place from the 26<sup>th</sup> through to the 29<sup>th</sup> of May in Singapore, the most important exhibition event of Asia, right after Chinaplas. In Stand 3B01, Piovan will put on display the following equipment:

- DP50-2Z with T100Z single hopper drying system with integrated resin feeding equipment
- C5Z vacuum receiver
- GR1Z glass receiver
- F42Z vacuum unit for single and centralised feeding systems
- Easy2 controls
- TW9Z and TO6Z mould temperature controllers
- MDP2 volumetric dosing unit

The equipment on display is part of a brand new line of products from the Piovan Manufacturing Centre of Zhuhai, China, focused on three main application fields:

- Drying
- Feeding
- Mould temperature controllers

**Drying** is represented by the new range of mobile drying systems proposed in the following models: DP50Z, DP100Z, DP150Z equipped with drying hoppers having volumes from 30 through to 300 litres. These were entirely conceptualised and developed by Piovan Zhuhai as the result of a joint collaboration with sales network and customers.

The range of this new line of desiccant dryers is considerably vast and covers applications with all hygroscopic resins to be dried at temperatures up to 150°C and dew point of -45°C.

All DPZ systems are equipped with resin feeding system for the drying hopper and hot/dry resin conveying system to the processing machines. One DPZ unit can support up to 4 processing machines simultaneously.

Single and centralised **feeding solutions** are represented by the vacuum unit model F42Z and a complete range of vacuum receivers with capacities from 1 to 50 litres, in particular the GR1Z glass receiver has volume of 1 litre and the C5Z vacuum receiver has volume from 5 litre.

The individual or centralised controls are Easy<sup>2</sup> microprocessor based. Also, The new central display with alpha-numerical messages gives constant monitoring of the operation status and warning/alarm conditions of a centralised resin feeding system.

As for the **temperature controllers**, the new range covers water, oil and pressurised units, 11 models in all with heating capacities of 3, 6, 9 and 12 kW. At the Aseanplas will be exhibited two models: the water TW9 Z unit and the oil TO6 Z one.

The pressurised models are designed to cover applications for high temperatures up to 160C°.

One considerable development in the range consists of the introduction of a micro-processor control board. The basic line is therefore not only available with electronic control but also with micro-processor control. The models featuring this kind of control are: TW9ZE, TW12ZE, TO6ZE.

To fulfil demands of lower capacity but still high precision and flexibility in injection, blow moulding and extrusion the **MDP2** volumetric dosing unit was developed. Masterbatch, additive or regrind metering take place by means of inclined augers, a solution that ensures unmatched accuracy.

The MDP2, with two metering stations and one central gravity fed material station, covers applications where three components are to be blended. The stations have capacities up to 120 kg/h each and are detachable from the main body for ease of use and maintenance. This latter feature allows simple and rapid adjustment in case of significant increase or decrease of material demand. No tools are to be used to perform such operations.

The new brush-less motor drives confer the MDP2 high precision and reliability. Excellence is featured by the **innovative electronic control** that can be used on more than one doser. It is possible to set the required percentage of masterbatch or of additives time after time or by simply recalling one of the stored-in formulas and input the code of the product to be moulded. The most distinctive new function available on the MDP2 is the Re grind Management, which keeps the right proportion of the components and ensures constant and optimal blend quality independently from the quantity of regrind available. The new operator interface provides alphanumerical messages and the programming procedure for the determination of recipes is self-guided.

**Pictures:**

**DP 50Z with drying hopper T100Z**



**TW9Z Temperature Control Unit**



**Piovan GR1Z Glass receiver**

