

Precision metering, mixing & dispensing facilitates miniaturisation

Trends in miniaturisation call for smaller, more precise and ever more repeatable metering, mixing & dispensing units for two-part materials. The [**preeflow® eco-duo330**](#) sets new standards in **micro-dosing for two component systems** by providing dosages as small as 0.2 to 32ml/min with precisely mixed material, complete repeatability and exceptional control. This is expected to be of particular value in the fields of medical device manufacturing, optics, photonics, electronics assembly, biochemistry and semi-conductors, where the ability to meter and mix small volumes will be appreciated.

With the newly developed **preeflow eco-DUO330**, dosing quantities of 0.005 ml (per shot) are achievable, irrespective of temperature, time, pressure and viscosity – dosed as a dot or bead – so the smallest quantities can be created as required. The microprocessor-controlled system creates a dosing accuracy of ± 1 % and repeatability of over 99% in a process that is absolutely reliable and reproducible. Dependent on application, the mixture ratio between the two input materials can be easily adjusted from 1:1 to 10:1 using the intelligent control via a graphical interface. The dosing of dots, as well as bead applications, can be subjected to a continuous quality check thanks to the integrated pressure monitoring. The maximum continuous bead application is 6.6 ml/min, whereas a variable bead thickness from 0.1 mm to approximately 2 mm (directly proportional to the speed of the application) is now achievable, thanks to the unique design of the **preeflow eco-DUO330**.

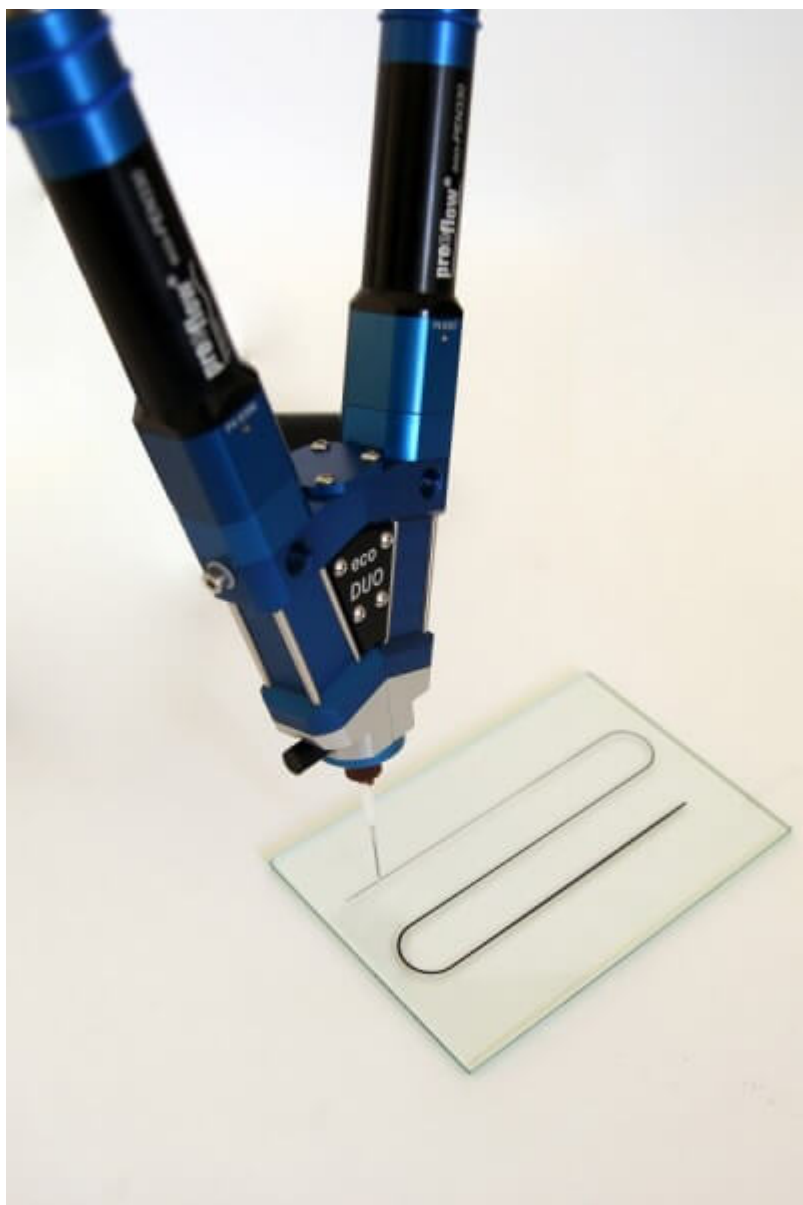
The **preeflow eco-DUO330** is a volumetric dispensing system with self-sealing rotor-stator arrangement whereby controlled rotary motion transfers the medium by positive displacement in the stator. The medium is subject to very low stress and therefore unchanged by this process, and simply by switching to reverse-flow, preeflow ensure a clean and controlled stop of material or medium with no drips and no mess.

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[Contact us](#) for advice on integrating this system into your production process.

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Supplied by:



INTERTRONICS

12a Station Field Industrial Estate, Banbury Road, Kidlington

Oxfordshire England OX5 1JD

t 01865 842842 e info@intertronics.co.uk

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