



Quantex pump applications

Food ingredients and beverage dispensing.



Quantex, a subsidiary of PDD Group, the worldwide provider of design & innovation skills, has developed a unique low cost, disposable pumping platform. Quantex holds worldwide patents on the technology and can provide a customised design and manufacturing service, through PDD, to integrate the pump technology into your applications.

Quantex has the ability to accurately and airtightlly dispense concentrated forms of liquid coffee, milk, fruit juices, flavourings, cordials, wine, cocktails and many other beverages from bag-in-box packages. The beverages can be premixed or post-mixed depending on the viscosity of the concentrates used.

Manual or automated portion control is important in many applications. In some cases increased shelf life and later use-by dates can be achieved by combining the Quantex pump with novel bag-in-box packaging, and developing oxygen-free delivery. Quantex has been able to prove the ability to store and dispense airtightlly even in the presence of high loads of bacterial contamination.

Conventional waxed paper cartons consume a large proportion of the total volume of domestic garbage. Packaging which integrates the Quantex pump would result in a compressed carton at the end of use due to Quantex's high vacuum capability.

There are 20bn unit sales of packaged sauces, dressings and condiments world-wide.

Key Features of the Quantex pump

- High accuracy
- Low cost disposable item
- Wide flow rate from a single component
- Can dispense high viscosity fluids and gels
- Operates into moderately high pressures
- Gas tight, self-priming
- Blocks flow when not rotating
- Reversible
- Adaptable for incorporation into packaging
- Technology to be licensed by Quantex where the potential licensee will pay for the application-specific design and development.

For more information email info@quantexpumps.com or visit our website

www.quantexpumps.com

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