

Blow Mold innovations to increase machine output and faster mold changeovers

Wentworth Mold Inc. introduces innovative, new blow mold technology for PET and Extrusion blow mold applications. The design and manufacture of both types of blow molds utilize proprietary CAD/CAM software and CNC hi-speed machining equipment ensuring consistent, quality products and competitive deliveries.

PET Blow Molds

Wentworth has developed an unusual quick-change mold design for hotfill and heatset bottle applications such as juices, sports drinks, sauces, etc. This type of mold is designed to be compatible with all types of heatset blow molding machines, and can be adapted to various bottle diameters and heights. Key features include:

- Cooling/heating channels in the shell insert
- 3-zone cooling in mold neck plate, body and base
- Interchangeable, insulated dome/shoulder section
- Insertable vacuum panels and volume shims
- Unique grade of stainless steel for higher temperature resistance
- Simple design of shell insert and shell holder for faster mold changeover

This patent pending technology is gaining widespread recognition in the PET blow molding industry and offers greater flexibility, increased output per blowing station as well as faster mold changeovers, compared to conventional GUPM molds.

Extrusion Blow Molds

Wentworth has been the first to develop Long Stroke extrusion blow mold tooling supplying molds in configurations of 2x8 cavities, 2x10 cavities and 2x12 cavities. The company has supplied over 75 mold sets since 1999 and continues to innovate in this field. Wentworth has developed a universal, quick-change mold design for Long Stroke machines and key features include:

- Rigid, common back plate for mold cavity blocks
- Interchangeable neck-plates and bottom pinch inserts
- Mold cavities designed to be single blocks or configured in blocks of 3, 4 or 6 cavities
- Proprietary mold cooling designs
- Quick-change water manifold design

This design is gaining market acceptance particularly where converters can rely on Wentworth's proprietary mold cooling optimization program to help maximize machine and mold output. Wentworth continues to push the envelope in Long Stroke molds designing mold configurations as large as 2x16 cavities for certain bottle types.

The Packaging Mold Group consists of Wentworth Mold Inc., Electra Form Industries Inc. and Jersey Mold Inc.; and is a division of Wentworth Technologies Co. Ltd., the # 1 independent manufacturer and global leader in mold-making and related plastics processing in the packaging industry. The Wentworth Packaging Mold Group supplies PET Preform Injection Molds from single cavity FTM® stacks to 144 cavity Micropitch production molds and Blow Mold Tooling for all types of machines for PET, EBM, IBM and ISBM. Wentworth Technologies is recognized as the Best Value Supplier in its niche markets.

For further information on the above products and services:

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