

1-Step PET Injection Stretch Blow Molding

Wide range of platforms and capabilities. Highly suitable for low volumes and short runs.

Ideal Markets : Food, Healthcare, Personal Care

Resins : PET

Plant Locations : Lachine, QUE | Langhorne, PA | Penn Yan, NY | Scarborough, ONT |
Seymour, IN | Triadelphia, WV | Flora, IL | Hazelwood, MO |

1-Step Features



1-Step Benefits

Biaxial orientation for strength and clarity	<ul style="list-style-type: none"> Versatile preform designs allow for custom bottle design potential or complete custom tools for optimized or specialized applications No surface blemishes or scuffs because preforms are not "handled"
Up to 20 cavity molds	<ul style="list-style-type: none"> Wide range of platforms allow for varying cavitation options depending on bottle size and neck finish <ul style="list-style-type: none"> SIPA FX • Uniloy • USB • Aoki • Nissei ASB
Large range of bottle sizes	<ul style="list-style-type: none"> Typically suited for ½ fl. oz. to 2.5 gallon More competitive on smaller sizes (2oz – 12oz) or for large ware with custom finishes Can produce asymmetrical containers with a wide range of output
Large preform and bottle library	<ul style="list-style-type: none"> Extensive personal care and spice bottle and jar offerings Penn Yan offers over 100 bottles and jars in order quantities down to one case Triadelphia offers a complete line of spice jars and closures
Entire process encompassed in one machine	<ul style="list-style-type: none"> Better overall aesthetics and appearance since no intermediary storage of preforms is required which can cause surface blemishes on the blown bottle
High quality injection molded neck finish	<ul style="list-style-type: none"> Finish size capability up to 120mm Well suited for many wide-mouth container applications No carrier bead is required which may allow for unique closure systems and shorter finishes
100% Accurate neck orientation	<ul style="list-style-type: none"> Consistent closure and decoration orientation
Color options	<ul style="list-style-type: none"> Excellent transparent and opaque color capabilities
Sustainability	<ul style="list-style-type: none"> Scrapless process meaning no flash to trim and no regrind PET & PET PCR blends are possible for a more sustainable package with an established recycling stream for PET containers
Leak Detection & Vision System Inspection Systems	<ul style="list-style-type: none"> Continual quality monitoring of bottles during production



For more information on 1-Step capabilities or Silgan products, please contact your Silgan Plastics account manager or visit SilganPlastics.com