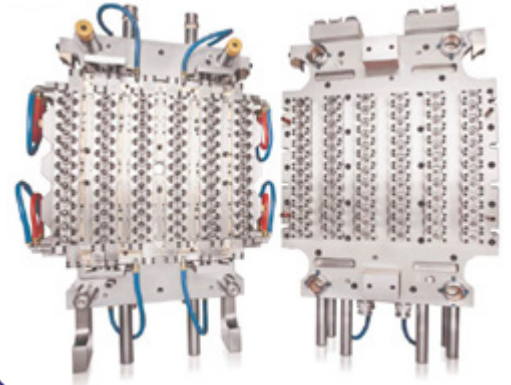


M-PET PREFORM SYSTEMS



The New, Integrated Automated Solution

1

All-electric servo controlled axes with servo controlled hydraulics for injection reducing overall power consumption

2

Integrated mold heat controllers for all sizes of molds

3

Patented Milacron Cool Box™ for post mold cooling of preforms

4

Complete systems integration of dryers, chillers, dehumidification and preform handling

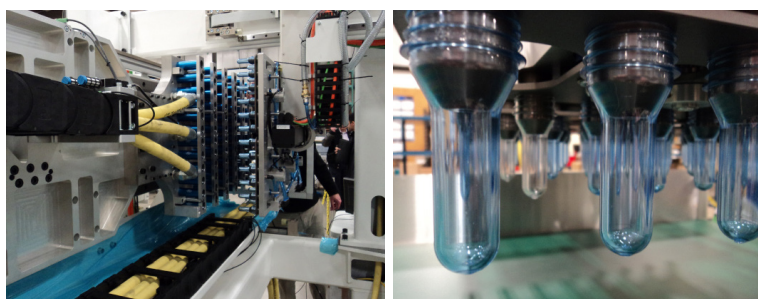
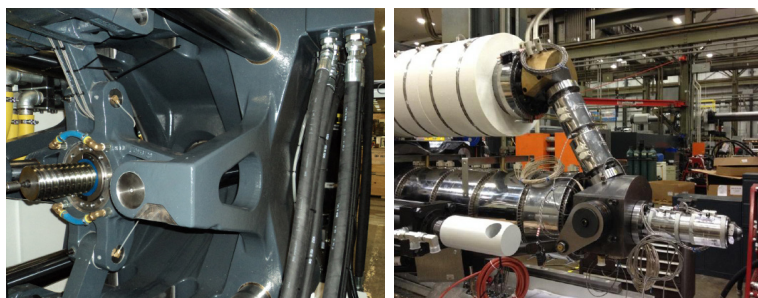
The new **M-PET SYSTEM** from Milacron is simple, flexible, and fully integrated with the injection molding machine and its controls. Available in three sizes of clamps, five different injection units and multiple mold configurations, the Milacron Machine and Mold allows for the automation of all equipment in a standard PET system. This includes the interfacing to the required auxiliary equipment for high speed, high quality molding of preforms.

Unparalleled
Performance
and Unmatched
Output to Capital



MILACRON

GET TO KNOW M-PET



System	Mold Cavitation	RS Injection Unit	Two Stage Injection Unit
M-PET 150	To 48	RS 50 & 80	E 85, E100
M-PET 300	To 128		E110, E120, E140
M-PET 500	To 144		E120, E140

Standard Features

CLAMP

- ✓ Servo five point toggle 3-platen design
- ✓ Ridgid platens distribute clamping force evenly reducing tonnage
- ✓ Wide tie bar spacing permits higher cavitation molds
- ✓ Linear bearings support the moving platen directly on the machine base
- ✓ Automatic shut height calibration
- ✓ Closed loop tonnage control

INJECTION

- ✓ Milacron PET Star™ screw design
- ✓ Closed loop fill velocity control and closed loop pack pressure control for shot-to-shot repeatability
- ✓ Resin feed tube for direct connection to resin dryer
- ✓ Feed throat temperature monitoring
- ✓ Ring check valve on RS units
- ✓ Swiveling injection unit for easy screw removal

CONTROLS

- ✓ Reduced complexity with a single processor
- ✓ Faster cycle times enabled by accelerated scan rates
- ✓ Intel Celeron microprocessor control with self-diagnostics
- ✓ 21" diagonal analog, resistive color TFT touch screen and international control symbols
- ✓ Freely configurable I/O
- ✓ Enhanced plotting graphics with cursors and built-in web server

MOLDS

- ✓ Fully optimized and tested at Milacron, producing preforms within specification at target cycle
- ✓ Detailed preform inspection report and process set-up information
- ✓ Pneumatic valve gate hot runner
- ✓ Lifting bar, latches and mold feet
- ✓ Roller cam actuated neck ring slides
- ✓ Water cooled stacks, optimized

PMC

- ✓ Latest multi-position post mold cooling device from Milacron Cool Box™