

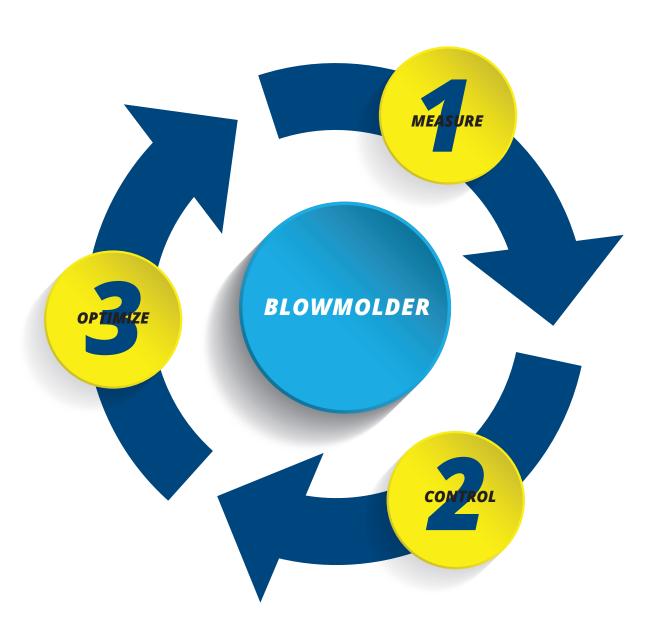
TOTAL BLOWMOLDER MANAGEMENT

Pilot Family of Products



IMPROVE PERFORMANCE, EFFICIENCY AND PROFITABILITY IN THE PRODUCTION OF PET BOTTLES

ENHANCED BLOWMOLDER MANAGEMENT IN THREE STEPS



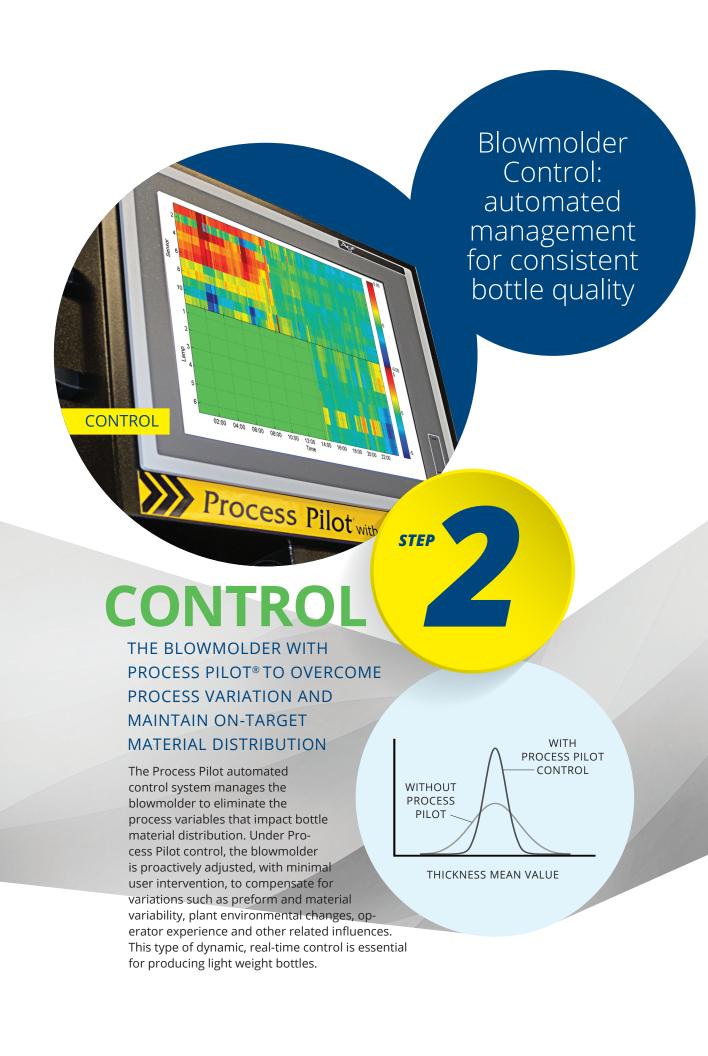
The Process Pilot 3-step method offers a total process and quality management program for PET containers

This powerful combination of thickness distribution management, automated blowmolder control and process optimization, provides an unmatched set of tools that can significantly increase operational efficiencies on a 24/7 basis, while improving product quality and profitability.

Agr's patented Pilot Profiler measurement technology provides the means to monitor material distribution over the entire sidewall of every bottle, accurately and repeatedly. This is the first step in providing the feedback critical for closedloop blowmolder operation.

With the addition of CrystalView, base characteristics can also be measured





OPTIMIZE

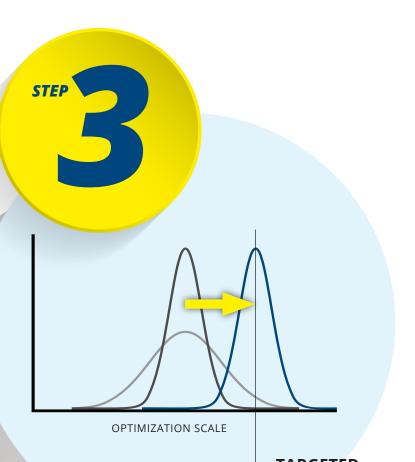
THE PROCESS AND PET BOTTLE PERFORMANCE PROPERTIES

Pilot enhancement tools provide the ability to optimize bottle production to a target that is most suitable for the product, application or operational goals—making it possible to efficiently customize and balance the best performing bottles with maximum profitability.

Targeted Optimization Areas possible with Process Pilot blowmolder management include:

- Material orientation to produce stronger, better bottles
- Improved shelf-life through focused material distribution and utilization
- Enhanced base and heel for stress crack performance
- Consistent production through optimized mold management
- Precise material management to maximize light weighting
- Expanded material and preform variability processing
- Energy savings through temperature, pressure and material optimization
- Profitability through efficient use of labor, energy and material

Optimization:
targeted production
to suit the product,
application
and business
objectives



TARGETED
OPTIMIZATION
AREAS

✓ ORIENTATION

BASE

MOLD

PERMEATION

MATERIAL

PREFORMS

STARTUP

ENERGY

/ PERFORMANCE

Get the most value from your blowmolding operation

Achieve consistency regardless of operator

Optimized Bottle Performance

Pilot optimization
tools make it possible to create
stronger, better performing
containers through optimized
material properties, while
reducing energy costs and
increasing yield
and profitability

Process preforms of various conditions, age and source

Light Weighting with Confidence

Process Pilot makes it possible to aggressively light weight bottles, while providing the confidence that material is distributed appropriately

Downstream Performance

With Process Pilot, high quality and stable bottles are the norm. Downtime due to handling, filling, capping, and labeling operations can be significantly reduced, improving overall line productivity and efficiency

Reduce downstream jams and process issues plus improve palletization

Eliminate the need for lab measurements and section weight sampling