



**GRAHAM
ENGINEERING**

Hercules® Accumulator Head Blow Molder



TECHNOLOGICAL INNOVATION

The Hercules® accumulator head blow molding system represents the culmination of more than 50 years of technological innovation for producing high quality, small-to-large scale blow molded parts. Accumulator head technology from GEC spans a wide range of capacities, delivering the quality, speed, flexibility, and reliability required for maximizing production line output. GEC equipment conforms to all national and international safety and operating standards with ANSI certification and CE capability. Hercules® heads are known for their fast color changeability. Thanks to the design of our spiral flow diverters, most color changes can occur with only 30-90 minutes of purging.

Continuous technological innovation, client/partner relationships, product line diversification, and strategic alliances are all part of the GEC vision – a commitment to leadership tied directly to the needs of our customer base.

The Hercules® Accumulator Head

Graham Engineering quality & performance for industrial applications.

- Available in 10+ lb. shot sizes
- Single or dual head configuration
- Easy access press standard
- 1-hour color change
- Production parts within 4-5 cycles
- Platen design for easy mold removal
- Side discharge
- XBM Navigator® control system
- 2 auxiliary hydraulic valves standard

The Graham Engineering Hercules® accumulator head machine is designed to be the standard for industrial blow molding applications. It comes with a low profile which allows for easy access to the press.

It's available starting at a 10 lb. shot in single or dual head configuration. The proprietary Graham Engineering spiral diverter offers continuous internal cleaning during production & a 1 hour color change for most materials.

3 inch to 6 inch extruders are available as standard options. The machine has two auxiliary hydraulic valves, standard, with additional valves available.

Technologies to Give Customers Every Edge

In today's competitive market and high production environments, GEC is continually looking for ways to help customers improve production quality and speed. We strive to enhance the value of the products made on our machines and achieve our customer's sustainability goals through source reduction.

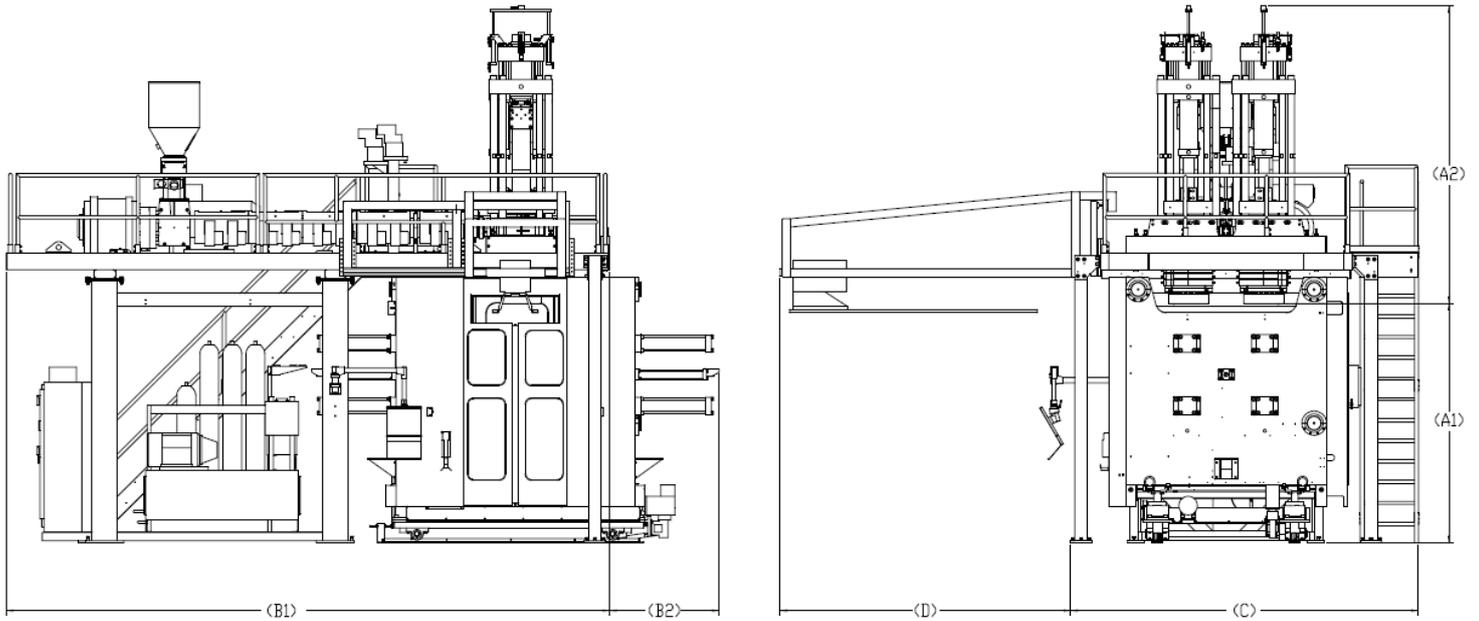
Service That Maintains Peace of Mind

GEC is firmly committed to providing the highest levels of customer support. Our service professionals can respond around the world to ensure that every machine exceeds customer expectations and helps your company achieve the highest possible standards of success.

Our experience brings confidence, trust, and peace-of-mind.

GEC's professional team of highly experienced field engineers are always ready to provide all the on-site services your operation may need. Also, remote diagnostics enable us to troubleshoot and solve many problems from anywhere. Our service and spare parts groups focus on a single goal – superior customer satisfaction, based upon maximizing your ROI.

The Hercules® - A Closer Look



Press size	48"x48"	60"x60"	60"x74"	74"x60"	96"x60"
(B1) Frame Length	247"	288"	288"	288"	320"
(B2) Daylight Adder Length	26"	53"	53"	53"	46"
(D) Part Take-out Length	100"	139"	139"	139"	165"
(C) Frame Width	142"	167"	167"	167"	208"
(A1) Press Height	102"	102"	116"	102"	115"

Head size	10 series	20 series	30 series	40 series	50 series
(A2) Head Height	120"	114"	130"	132"	140"
(A2) with LP Top Blow Option	132"	128"	144"	146"	154"





The XBM Navigator® control system provides complete machine control for our eXtrusion Blow Molding equipment. The PC-based control system employs hardware designed and tested for industrial environments. The industrial PC is compact, mounts directly to the DIN rail, and provides outstanding CPU performance with real-time characteristics for precise control of machine functions. The touch screen interface is highly intuitive and allows the operator to control the process from pellet to finished product. Key features include closed-loop temperature control, 180-point parison programmer, clamping unit control, and seamless integration of downstream conveyors and trimmers. The system also includes a full suite of diagnostic tools. The comprehensive documentation package is fully integrated into the HMI. The entire system is explicitly designed to minimize downtime and maximize output.



Graham Engineering's exclusive PC-based control system is designed specifically for extrusion and extrusion blow molding machinery. Developed in 2001 as a replacement for traditional PLC-based systems, it provides more flexibility, a higher performance, with a lower cost. The Navigator control system comes in various versions to fit your needs. XC100, XC200, XC300, XBM, and XLS provide varying integration, optimization, and customization levels to your Graham Engineering extruder.

