

Replacement Accumulator Heads from Graham Engineering

RESIN, ENERGY AND LABOR SAVINGS

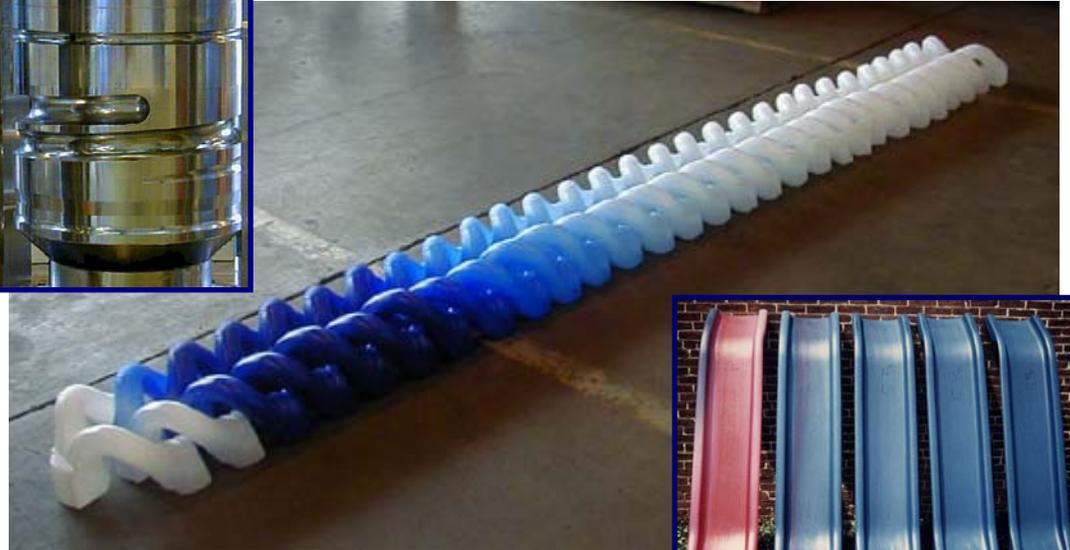
The resin you purchase is your largest cost component. When you purge your machine for hours on end to change colors or materials, you are wasting a lot of resin. You also experience losses in labor, energy, and non-productive machine time. Typical rolled-up costs are hundreds of dollars per hour.

FAST PAYBACK

Reconfiguring your machines with Graham heads may offer a very fast payback on your investment. We have the tools to help you calculate this payback.

END WASTEFUL PURGING

Many machines require purging up to several times a day, just to flush degraded material out of the heads. Graham heads require no regular purging, due to our rheologically efficient head design.



Color change from Cherry to Blue. (The slides above were pulled after every 5 shots, left to right.)

Significant Cost Savings Through Rapid Color and Material Changes

Graham Engineering heads are known throughout the industry for rapid color and material changes. While many competitive heads can take as much as 8-12 hours to purge from one color to another, Graham heads can generally change from one color to another in 30 to 60 minutes.

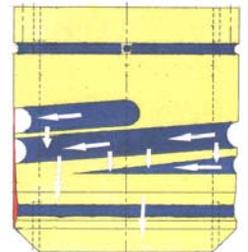
Graham heads are proven workhorses, whether running olefin resins such as HDPE, HLMPIPE, PP or LDPE, or engineering resins such as nylons, Noryl® ABS, PC/ABS polyurethanes or acrylics. These streamlined heads can also run glass or talc filled resins.

Whether you process automotive parts, tanks, trash cans or toys, Graham heads can give you the quality you need.

Color and Material Changes by Purging

The pictures above show examples of the rapid color changes that can be achieved. Graham heads utilize a rheologically efficient diverter.

This wear-resistant, through-hardened D2 diverter has highly polished flow surfaces in a "first in, first out" flow operation. With spiral flow channels directing overlapping flow, the result is a uniform parison with no knit line.



Significant Time and Resin Savings

BROAD RANGE

Graham Heads are available in a range of shot sizes, from 5 lb. to 65 lb. to fit a wide variety of applications.

NEW MACHINERY

If you need new accumulator head machinery, Graham has a wide range of machines available. Whether you need single or dual heads, we have you covered.

LIQUID COLOR CAPABILITY

Graham has successfully integrated liquid colorant dosing systems to our accumulator head machines. These systems reduce costs while improving manufacturing efficiencies and enhance the performance and aesthetics of plastic products.



Mechanically Assisted Head Cleanout

Graham heads are designed to allow operators to complete a manual cleanout in less than one hour, using only simple hand tools. By contrast, many competitive heads take one to two days to disassemble and clean.

After removing some bolts, the hydraulic cylinders on the head are used to lift the diverter and plunger out of the head body. The diverter, plunger and head body can then be cleaned using a brass scraper.

When finished, the diverter and plunger are lowered and fastened back into the head. You will be making good parts with a new color within a few shots.



Diverter shown lifted out of the head body.

Sustainability

Graham Engineering can help you optimize the amount of energy and plastic that you use. While people have a difficulty agreeing on the definition of sustainability, they do agree on one thing; using less energy and resin in your manufacturing process will help the environment while saving you money - a winning scenario.

Graham stands ready to help you with this analysis. Call us today.



GRAHAM ENGINEERING CORPORATION



Four retrofit heads on a Producto double-double machine (top) and two GEC heads on a Hartig machine (bottom)

Retrofit Expertise

Graham can help you accomplish a smooth changeover to a new head with limited interruption to your production schedule.

As shown above, new Graham heads, from 5 to 65 lb. shot capacity can be installed on existing machines from different suppliers. Head supports are engineered for mechanical integration. Attention is also given to the hydraulics and controls to complete the integration.

We back what we sell with solid engineering, technical service, and spare parts. You can purchase from Graham with confidence.

Retrofit

Graham Heads

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