

APPLICATION PROFILE

INJECTION BLOW MOLDING

Industrial Hydraulics

Challenge: **HIGH SPEED INJECTION BLOW MOLDING MACHINERY**

Location: **MICHIGAN**

Flodraulic's RHM team was brought in by an industry leading injection blow molding machinery manufacturer to work with them on a new prototype machine.

The new machine had produce eleven pill size plastic bottles every ten seconds. As the customer's prototype requirements changed, RHM responded with service and engineering, ultimately becoming their standard supplier.

When blow molding, the name of the game is to make as many bottles as possible in the shortest amount of time. To meet customer requirements, RHM engineered a system with triple-pump capability of flowing up to 115gpm at 2800psi. A series of three manifolds offer precise control using a circuit design built around Eaton servo valves and Sun cartridge valves.

The RHM hydraulic system powers all actuator functions in the molding process. It also controls the clamping of the press on the preforming function of the machine, the extrusion drive capabilities of the machine and all auxiliary machine functions.



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