



Low Pressure Aluminum Casting

Shot and Temperature Control in Low Pressure Aluminum Casting

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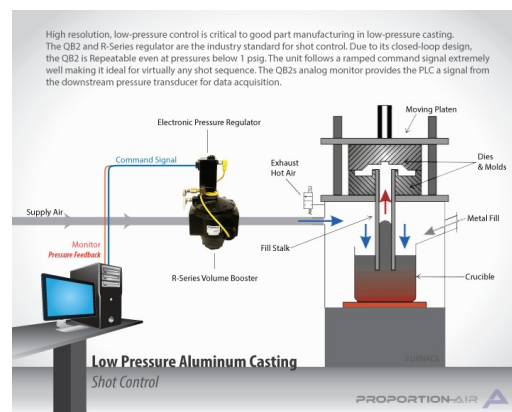
Low pressure casting employs accurate control of positive pressure to move molten aluminum into a mold quickly and achieve a finished product that has improved mechanical properties (more dense) over a gravity cast wheel.

In the O.E.M. (Original Equipment Manufacturer) market, low pressure casting is the most common process approved for aluminum wheels. However, this process has been used for decades with **sub-par pressure control components**.

Proportion-Air has **learned how to overcome** the most common problems that can occur in the low pressure aluminum casting process. Issues such as:

- Poor Resolution & Repeatability
- The infamous "Dog Leg" pressure profile
- Furnace leaks
- Too much scrap!

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