

## APPLICATION BREAKDOWN:

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### Portable Pressure Monitor for Extrusion



A major plastics extrusion company is constantly looking for ways to improve their process and reduce wasted resin. A necessary part of their offered prototyping service was to test different dies and resins. During the initial commissioning of each new application there are

often unforeseen spikes in pressure that, at best, waste resin and, at worst, could damage tooling. They requested that Sensors Incorporated come up with a portable pressure monitor that would alert them to pressure spikes.

The engineers at Sensors Inc. designed a compact solution that could monitor pressure signals from four melt-pressure transducers simultaneously. The transducers are connected to the bulkhead connectors on the rear of the



Monitor, and the pressure ranges are calibrated via the Dynisco UPR900 pressure indicators. If pressures from any of the 4 transducers rise above the desired system pressures, the appropriate alarm light flashes alerting the operators.

This solution minimized start-up waste, eliminated damage from over-pressure and shortened the commissioning time for the customer.

If you have a complex application that might require extreme application experience, or extensive vision knowledge, do not hesitate to call the experts at Sensors Incorporated.

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