

# Pressure Gauge

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Pressure gauge

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A working head pressure gauge on an extruder is absolutely essential to understand many of the processing problems you might encounter. First, it tells you a relative pressure that you can use on a day-to-day basis to evaluate die or filter problems as well as resin changes. Secondly, it is your most easily analyzed indication of output stability for the screw/barrel portion of the system. By studying and measuring the cycle of output pressure variations, you can often troubleshoot the screw or factors upstream and downstream of the extruder that affect product quality.

See also:

- [Calculating extruder performance](#)
- [Causes of extruder surging](#)
- [Extrusion evaluation through pressure and melt temperature analysis](#)
- [Extrusion screw wear](#)
- [Further comments on barrel profiles](#)
- [Pressure transducer calibration](#)
- [Retrofitting a screw into an existing extruder](#)
- [Screw and barrel wear](#)
- [Screw cooling in extrusion](#)
- [Surging](#)
- [The effect of pressure on output](#)
- [Two stage extrusion](#)
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