

Test Results of Electronic Gap Tool to Confirm Gap Sizes in Adjustable Extruder Dies Operating at 260°C

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Capacitec is introducing the new non-contact capacitive gap measurement GPD sensor wand that measures extruder lips gaps at constant operation temperatures of 260°C. It functions the same as standard dual sensor wands except it opens up new possibilities for use in considerably hotter extrusion and coating die processes. Currently there are no electronic gap gauging tools to confirm gap sizes in adjustable extruder dies operating at 260°C.

This measurement is important because the gap width changes in relationship to the thermal expansion of the extruder die lip between ambient and production temperatures. The new Capacitec high temperature extruder die gap measurement system now allows users to accurately confirm gap sizes before starting production as well as after the adjustable dies have been reset from sized gap settings. It also allows extruder die manufacturers to study the true position and repeatability of their adjustable die setting processes.

The poster will present test results of measurement of gaps from 0.012” to 0.028 (300 to 700 microns) including photos of the test set-up along with presentation of summary conclusions and recommendations of use.

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