

# EXTRUDER PROCESS CONTROL

## HOPPER / FEEDER LEVEL

- CANTY camera/light combination monitors the entrance of the extruder barrel.
- Monitors extruder screw loading.
- Ensures that the chute does not become blocked.

## VENT CAMERA

- Camera and light monitors extruder vent to see and control when polymer begins to block this region.
- Camera and light also allow for clear view of extruder screw.

## STRAND MONITOR CAMERA

- Tracks position of each strand and alarms on balling or breakage.
- Real-time monitoring of strands done remotely from the central control room.
- Closed loop control via OPC or 4-20Ma output.

## EXTRUDER MELT CAMERA

- The CANTY InFlow™ analyzer monitors extruder melt by combining a microscopic camera and high intensity LED light source connected to the central flow cell mounted directly on the extruder barrel.
- Integrated fused glass technology allows for imaging at high process temperatures and pressures.
- The system is used to detect contaminants and air bubbles in real time.



## PARTICLE SIZING

- Final product quality control to detect undissolved gel particles and black speck contaminants.
- CANTY's range of vision based particle analysis systems provide real-time true size and shape characterization.
- Analysis can be done at line through use of a sweep sampler, or offline through use of a laboratory instrument.

