



Industry:
Food & Beverage

Application:
Extruder

Problem/Requirement:
Jams in the barrel due to material problems and startup surges break the expensive extruder screws

Solution:
Autogard 820 Series Torque Limiter

Result:
Autogard 820 Series Torque Limiter protects the extruder screw by tripping at an accurate repeatable point; this results in no damage to equipment and reduced downtime

Autogard 820 Series Torque Limiters Protect Equipment and Reduce Downtime

Extrusion for food products

Extrusion enables mass production of food via a continuous, efficient system that ensures uniformity of the final product. Using an extruder screw, a set of mixed ingredients are forced through an opening in a perforated plate or die with a design specific to the food, and is then cut to a specified size by blades. Jams on extruder lines can be extremely expensive as they can cause severe damage to the extruder screw.

It has become an industry standard to use a torque limiter to protect the high-value extruder screws from jams in the barrel caused by material problems and startup surges.

An Autogard® 820 Series Torque Limiter

fitted between the motor and gearbox will give accurate disengagement to ± 5 percent of the pre-set trip torque ensuring 24/7 machine uptime.

Autogard Torque Limiters have been protecting extruder lines for 30 years.



Torque limiter and coupling between motor and gearbox