



PRODUCTS
FOR THE

FOOD PROCESSING INDUSTRY

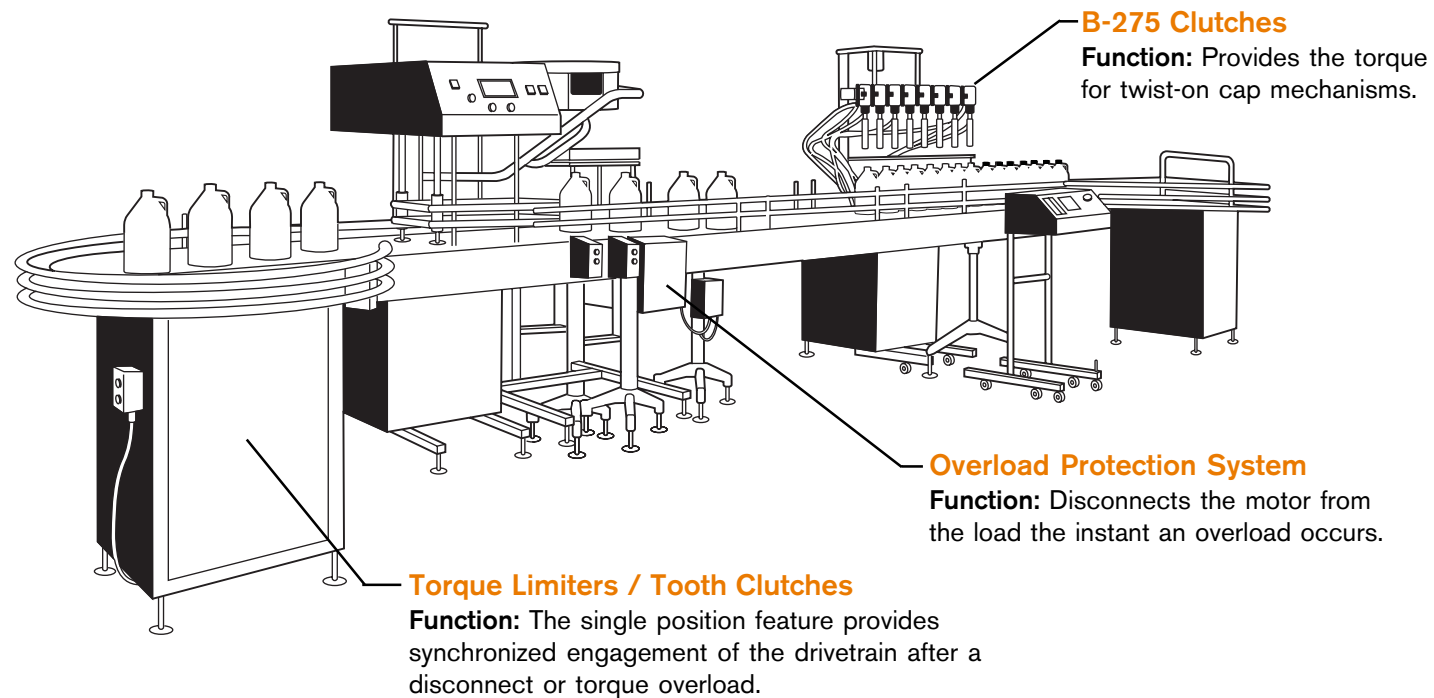
APPLICATION GUIDE

NEXEN SOLUTIONS FOR YOUR FOOD PROCESSING CHALLENGES

As an internationally recognized industry leader offering a full range of motion control products as well as comprehensive custom engineering services, Nexen prides itself in producing the best brakes, clutches, clutch-brakes, and torque limiters in the industry. Simple designs with limited parts make these units easy to install and maintain, and the nickel plated models are perfect for wash-down areas in food processing plants. In addition to the processes shown, Nexen designs products for mixers, ovens, sheeters, and a variety of bottling and meat processing applications. We also have a wide range of products suited for post-processing operations such as material handling, packaging and labeling.

Nexen has been proving for years that our spring or air-engaged products last longer, respond faster, provide more torque and thermal horsepower, and consume less energy than comparable electric units. Find out for yourself. We guarantee your satisfaction.

BOTTLER/FILLER & CAPPER



B-275 Clutches

This compact clutch was engineered for easy installation with through-shaft mounting or mounting via sheave, pilot, or clutch coupling. Ideal for repetitive applications in harsh environments, the B-275 has a torque range up to 11 Nm at 5.5 bar [100in-lb at 80 psi].

- Sealed radial bearings
- Nickel plated
- Up to 3600 rpm
- Multiple bore sizes
- High heat capacity



Overload Protection System

A combination clutch and control system electronically detects clutch slip during overload conditions and disconnects downstream equipment.

- Push-button re-engagement
- Allows motor to run during overload



Nickel Plated Torque Limiters

Torque limiters play an essential roll in safeguarding expensive food processing systems and limiting down time by preventing damage during overload situations. The single-piston, ball-detent design assures synchronized re-engagement in the same position every time. A wide range of torque capabilities and bore sizes give off-the-shelf availability for most systems.

- Manual override option
- Nickel plated & stainless steel fasteners



5H Series Tooth Clutches

When high torque transmission is essential, Nexen's tooth clutches provide positive torque transmission in a small package. Choose from a wide variety of both open and enclosed models to meet your specific needs.

- Nickel plated models
- Flange or pilot mounting for single or multiple position
- Flexible couplings for higher shaft misalignment



BISSC Approved FMCBE Clutch-Brakes

These NEMA flange-mounted units come totally enclosed with sealed seams for wash-down areas in food processing plants. Nickel plating and stainless steel fasteners eliminate corrosion, even in harsh environments.

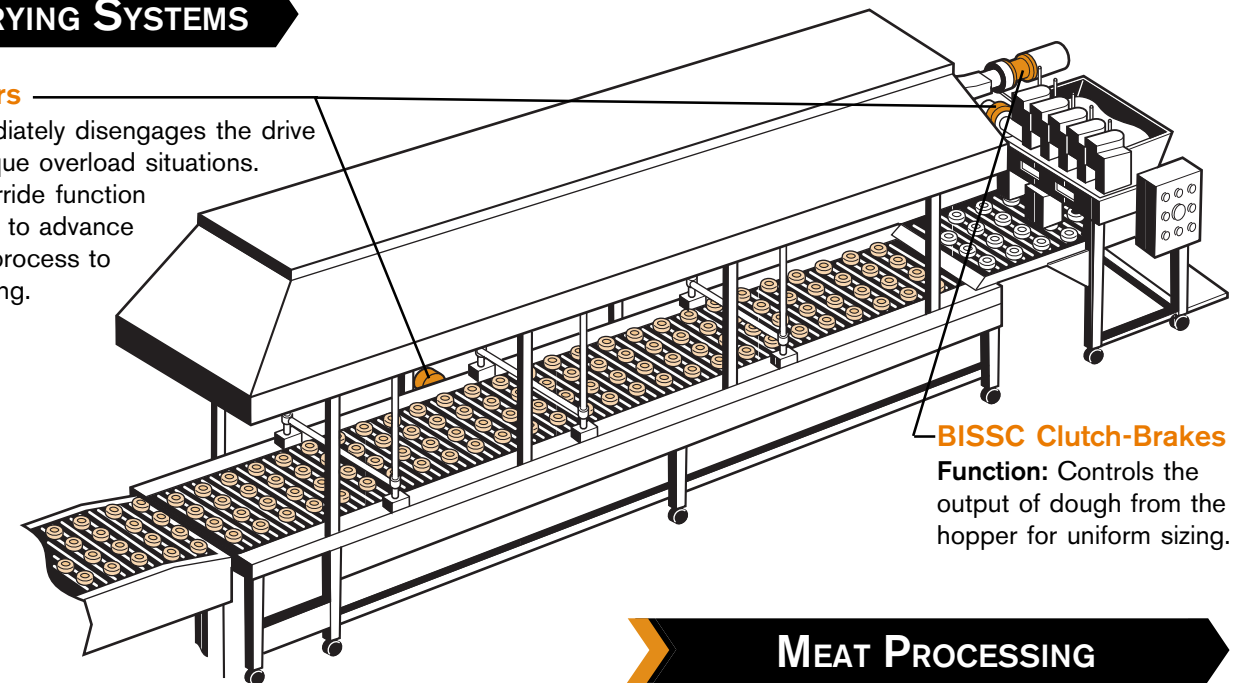
- Wide range of torque availability
- Ideal for repetitive stop-start torque control
- Low maintenance with a simple design and long life



FORMING & FRYING SYSTEMS

Torque Limiters

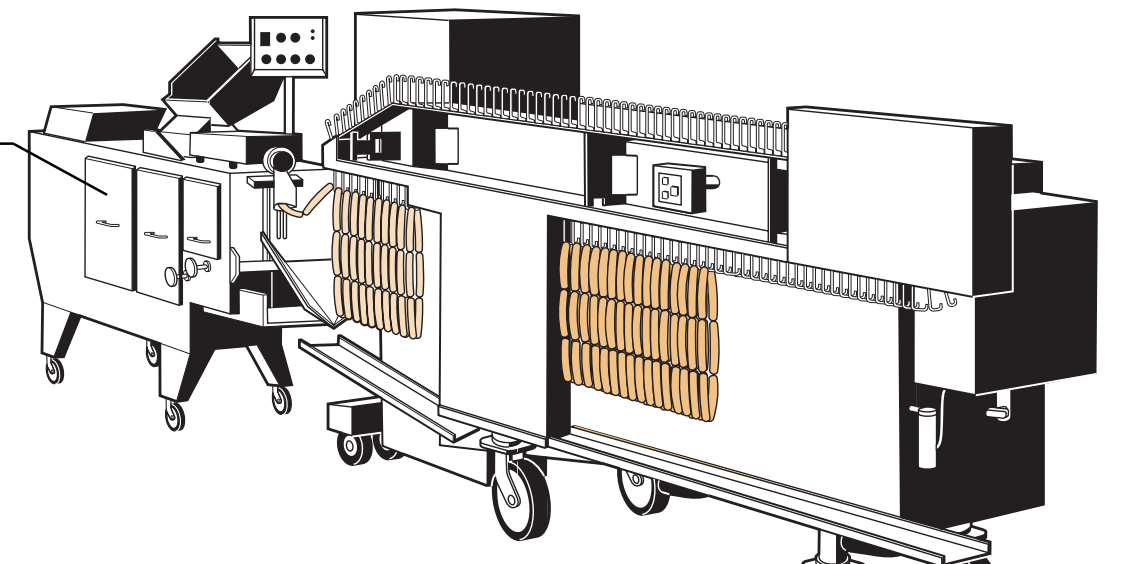
Function: Immediately disengages the drive shaft during torque overload situations. The manual override function allows operators to advance food through a process to prevent over-frying.



MEAT PROCESSING

FMCBE Clutch-Brakes

Function: Controls the flow of meat into the casing to allow twisting between sausages. With consistent stop/start performance, the FMCBE ensures equal size sausages everytime.



Air vs. Electric

Seven reasons why Nexen's air-engaged clutches and brakes are better than electric clutches and brakes.

- 1 > 30% Faster Response Time
- 2 > 40% More Dynamic Torque
- 3 > 30% More Thermal Horsepower
- 4 > Up to Six Times Longer Friction Facing Life
- 5 > Up to 60% Less Energy Consumption
- 6 > Up to 10% Savings on Unit Cost
- 7 > Up to 80% Savings in Repair Costs

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