EDT HAS BEARINGS FOR ALL AREAS OF PORK PROCESSING
From receiving to shipping, EDT bearings contribute to:
- Improved Food Safety
- Longer Life
- Lower Maintenance

### SLAUGHTER
- Sausages
- Modular plastic belt conveyors
- Flattened belly
- Round urethane belt conveyors
- Unmounted bearings
- Modular plastic belt conveyors
- Torsionally rigid bearings
- Flat rubber belts
- Modular plastic belt conveyors

### MIXING / GRINDING
- Dumpers
- Ribbon screw mixers/blenders
- Sprocket driven urethane belts
- Modular plastic belt conveyors
- Modular plastic belt conveyors
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- Modular plastic belt conveyors

### SLICING
- Saws
- Modular plastic belt conveyors
- Flattened belly
- Round urethane belt conveyors
- Modular plastic belt conveyors
- Sprocket driven urethane belts
- Modular plastic belt conveyors
- Modular plastic belt conveyors

### CURING / COOKING
- Continuous cookers
- Spiral freezers / chillers
- Modular plastic belt conveyors
- Modular plastic belt conveyors
- Modular plastic belt conveyors
- Modular plastic belt conveyors
- Modular plastic belt conveyors

### FREEZING / CHILLING
- Spiral freezers / chillers
- Modular plastic belt conveyors
- Modular plastic belt conveyors
- Modular plastic belt conveyors
- Modular plastic belt conveyors
- Modular plastic belt conveyors
- Modular plastic belt conveyors

### PACKAGING
- Baggers
- Shrink wrap tunnels
- Tray packaging machines
- Modular plastic belt conveyors
- Modular plastic belt conveyors
- Modular plastic belt conveyors
- Modular plastic belt conveyors

In all areas of pork processing, EDT bearings improve operations and help the bottom line.
### Poly-Round® bearings

EDT polymer plane bearings are the most efficient and effective way to eliminate lubricants when grease is a problem. Washdown, extreme temperatures, chemicals, incomplete rotation, and abrasives degrade ball bearings; Poly-Round® inserts of the appropriate material for the application can withstand these environments.

- **USDA-accepted**
- **100% grease-less**
- **Zero grease, zero rust**
- **Variety of polymer inserts, including metal detectable**
- **Long and predictable operation can be extended with 180° rotation of the insert when worn too far in one direction.**
- **Fully split units available**
- **Shaft sizes 1/2” to 4” (12.7mm to 101.6mm); all housing styles in stainless or exclusive ‘KG’ polymer**

### Type E Solution® bearings

EDT’s Type E Solution® bearings are designed to operate where tapered roller bearings do not perform adequately, often subjected to process or wash down moisture, or where food safety is a concern.

- **USDA/NSF accepted**
- **Housing and bearings 100% rust free**
- **Maintenance free: 100% grease-less**
- **Can be mounted directly over the food product zone**
- **Available in pillow block, 4-bolt, and piloted styles**
- **Split units available**

### Solid lubrication

With increasingly stringent food safety mandates, solid lubricants offer an alternative to grease. Solid lubes help exclude contaminants from entering with rolling activity by filling the area around the balls. They eliminate concern of over-greasing, using the wrong kind of grease, or a lack of grease.

- **Food grade and non-food formulations**
- **Capacity for operating in temperatures from -250°F to +650°F (-157°C to 343°C)**
- **Seals and/or flingers are reinstalled, but bearings can also be provided with the solid lubricant open for visual inspection and maximum content**

### Mounted ball bearings

Stainless steel or ‘KG’ polymer material bearing housing with a wide selection of ball bearing inserts to choose from:

- **Stainless steel or other material**
- **Set screw locking or eccentric**
- **Value, Classic or Choice inserts**
- **Greased or solid lubricated**

### High temp bearings

Wide selection of Poly-Round® and stainless ball bearings for high temp applications:

- **100% grease-less**
- **Bearings available:**
  - Poly-Round® inserts for temperatures up to 1000°F (538°C)
  - Fixed and floating to accommodate thermal expansion
  - Ball bearings with solid lubricants; various to 650°F (343°C)
- **Housings available:**
  - Cast stainless
  - Mild steel
- **Cost savings:**
  - Cost effective

### Scale Links

- Non-corrosive and metal detectable components

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**Poly-Round® bearings**

EDT Radial Poly-Round® bearings (RPR) are manufactured from bearing grade polymers and stainless components, and are designed to directly retrofit deep groove ball bearings and other styles of radial bearings.

- **USDA accepted**
- **100% non-corrosive, zero rust**
- **Well suited to HACCP/HARPC programs**
- **Choice of polymers depending on the application**
- **Custom configurations available**

**Radial Poly-Round® bearings**

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**Type E Solution® bearings**

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- **USDA/NSF accepted**
- **Housing and bearings 100% rust free**
- **Maintenance free: 100% grease-less**
- **Can be mounted directly over the food product zone**
- **Available in pillow block, 4-bolt, and piloted styles**
- **Split units available**

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Applications

Slaughter

Greaseless bearings reduce maintenance in the challenging slaughter environment.

Cut Floor

Prolonged dry conditions and high humidity require bearings that are extremely dry and corrosion resistant. EDT recommends ball bearings with solid lubricant to ensure long life.

Mixing/Grinding

Forming

The solid lubricant in solid lubricated bearings provides a protective barrier to stainless steel and food contact surfaces in the forming area. EDT offers ball bearings with solid lubricant and stainless steel shields for extended life.

Slicing

In slicing areas, stainless steel shields are recommended to prevent food contamination during maintenance and to promote easy cleaning.

Curing/Cooking

Temperature issues are overcome with Poly-Round® bearings for cooking processes, especially for conveyor systems. EDT bearings are designed to withstand high temperatures directly on the conveyor belt.

Freezing/Chilling

For freezing and chilling applications, EDT recommends Poly-Round® bearings for conveyor systems to ensure extended service life with zero product contamination.

Packaging

Unmounted bearings subject to wash down and in direct food contact can be replaced with Radial Poly-Round® bearings, especially where there is incomplete rotation. Avoid maintenance issues with Poly-Round® bearings on any sprocket-driven equipment. If ball bearings are preferred, choose ones with solid lubricant.