

The background of the slide is a technical drawing of a mechanical assembly, likely a bearing or a similar component. It features various cross-sections, dimensions, and callouts. The drawing is rendered in a light gray color on a dark gray background. The callouts are numbered circles, with some numbers appearing multiple times. The overall style is that of a professional engineering drawing.

TIMKEN

Food & Beverage

Customer Presentation 2021

Stronger. **By Design.**

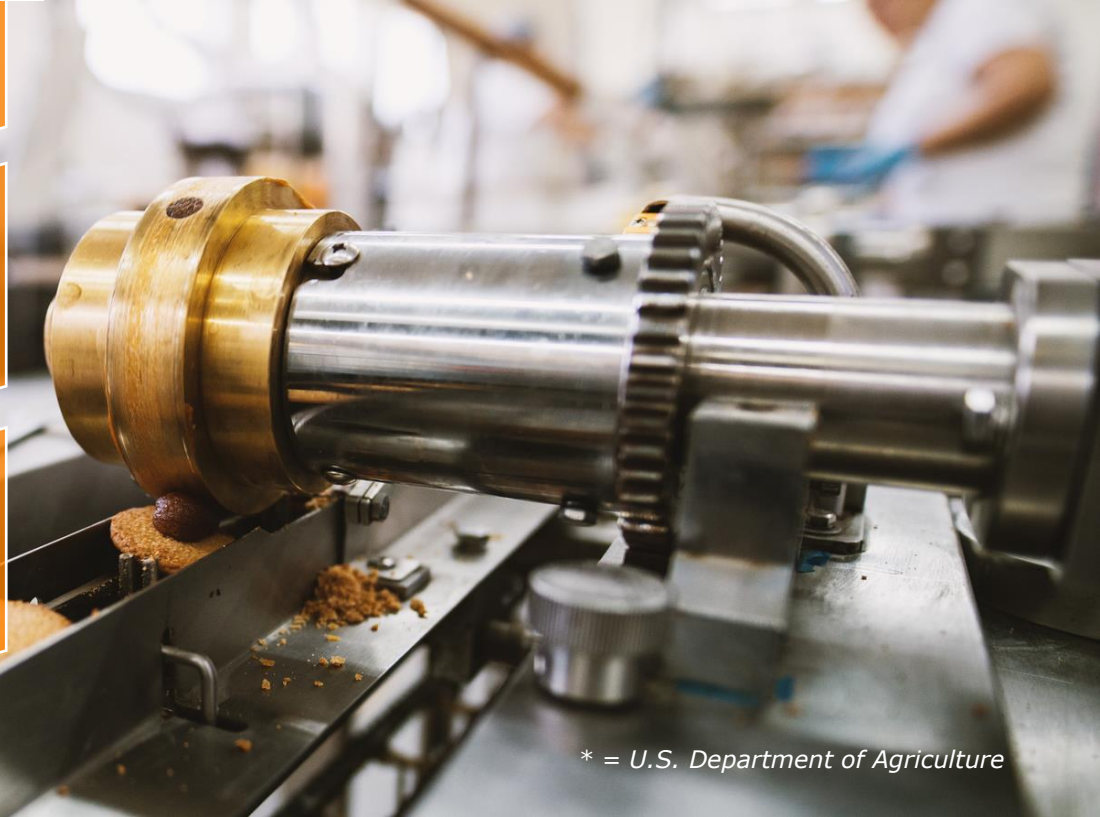
Industry challenges in F&B processing

Food & Beverage Industry Challenges

Improve Food Safety
USDA*-accepted housing

Maximize Up-Time
Increased Bearing life

Reduce Maintenance Cost
Reduce or eliminate re-greasing



* = U.S. Department of Agriculture

Timken in the F&B market

Market Positioning

- The United States has the strictest food safety legislation in place worldwide. With its headquarters in the U.S., Timken offers products that meet and exceed the tightest regulations.
- Timken competes in the premium product performance market space. Our F&B offering provides you with products that range from “performance” to “best-in-class” to provide you with the machinery uptime and food safety that you and your customers expect.
- With a broad range of bearings, housed units, mechanical power transmission products and lubrication solutions, Timken is ultimately positioned as a full-range supplier to the F&B industry.



Value Proposition

- We offer products and solutions that:



- Each product line is part of a wide variety of F&B specific bearing and PT products that allows customers to reduce their supply chain complexity
- Customers benefit from Timken's application knowledge and access to our industry-leading technical support
- Timken's global operations and logistics assure accessibility to products and support worldwide

Timken Savings for Food and Beverage

Timken saves customers money by:

- Improving safety
- Reducing maintenance
- Decreasing unplanned downtime
- Increasing overall productivity

Customer testimonials:

Equipment	Product	Benefit	Annual Savings
Soup processing line	Poly Round	Reduced maintenance, eliminating lubricator position	\$50,000
Meat slicer	Solid Lube Radial	Reduced maintenance, no lubrication needed	\$18,000
Almond processing - Modular belt	Poly Round	Longer life, no lubrication needed, reduced maintenance	\$165,500
Fruit sizing/sorting machine	Silvershield chain	Corrosion resistant, longer life, reduced maintenance	\$25,000
Beverage cooling line	Poly Round	Decreased unplanned downtime, reduced maintenance	\$320,000
Snackfood processing	ER ball housed unit	Improved safety, decreased unplanned downtime	\$120,000
Breeder application	QuiKlean solution	Improving safety, decreased unplanned downtime	\$20,000

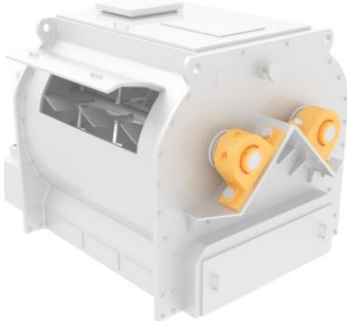
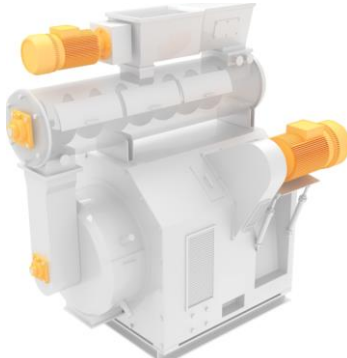
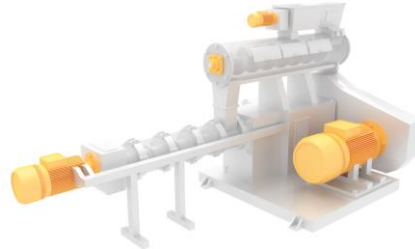
Market Segments Served By Timken

- Protein processing
- Fruit & vegetable processing
- Beverage production
- Dairy production
- Baked goods
- Snack foods and candy production
- Chocolate and confectionary production
- Case-ready meals
- Packaging machinery



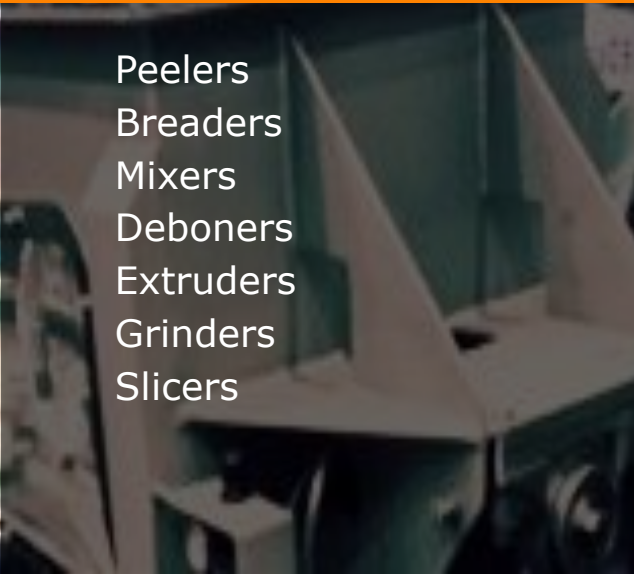
Currently Executed Strategy

Applications We Can Focus On Today

Grinding Equipment	Pelleting Equipment	Extrusion Equipment	Conveying Equipment
• Hammermills • Pulverizers • Crushers • Feeders • Mixing Equipment 	• Pellet Mills • Conditioners • Hygienizers • Crumblers 	• Single Screw Extruders • Double Screw Extruders • Raw Material Extruders 	• Belt Conveyors • Screw Conveyors 
Twin Shaft Paddle Mixers	Pellet Mill	Raw Material Extruder	Modular Belt Conveyor

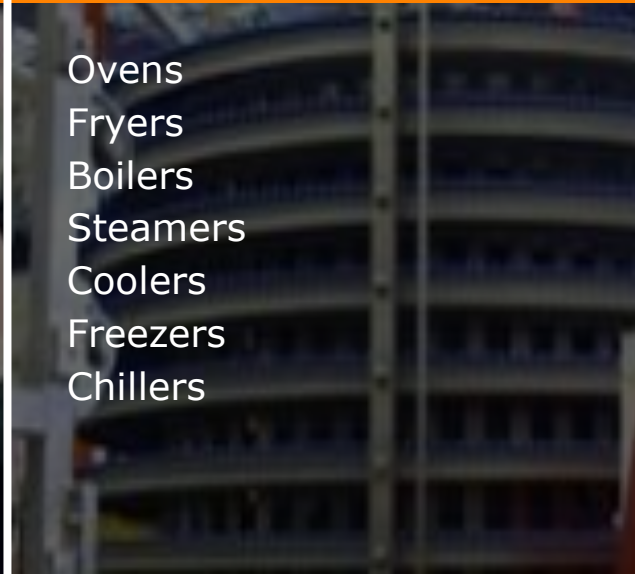
Applications

Mechanical Processing



Peelers
Breaders
Mixers
Deboners
Extruders
Grinders
Slicers

Thermal Processing



Ovens
Fryers
Boilers
Steamers
Coolers
Freezers
Chillers

Handling and Packing



Modular Belt Conveyors
Wire Belt Conveyors
Sanitary Wash Tanks
Single Pivot Dumpers
Fabrication
Sizing and Sorting
Packing Machines

Food and Beverage Process Overview

Mechanical Processing



Ball and Roller
Housed Units



Spherical Roller
Bearings



Cylindrical Roller
Bearings



Tapered Roller
Bearings



Thrust Bearings

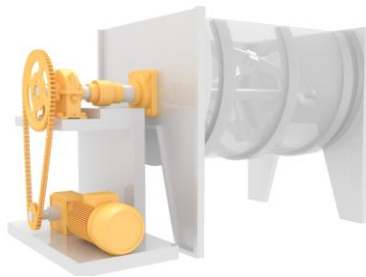


Ball Bearings

Thermal Processing

Handling and Packaging

Extruder



Mixers



Peelers

Food and Beverage Process Overview

Mechanical Processing



Ball and Roller
Housed Units



Ball Housed Unit



Stainless Steel
Chain



Deep Groove Ball
Bearings



Stainless Steel
Housed Units



Poly-Round
Plain Bearings



Couplings

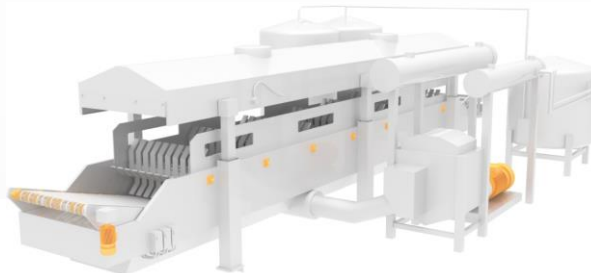


Belts

Thermal Processing

Handling and Packaging

Ovens



Fryers

Chillers



TIMKEN

Stronger. By Design.

Food and Beverage Process Overview

Mechanical Processing

Thermal Processing

Handling and Packaging



Roller
Housed Units



Ball Bearing
Housed Unit



Poly-Round
Plain Bearings



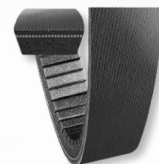
Attachment
Chain



Deep Groove
Ball Bearings

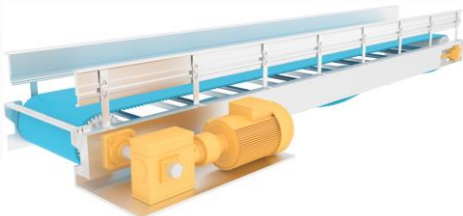


Couplings



Belts

Food Conveyors

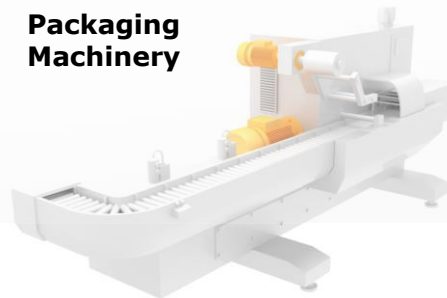


TIMKEN

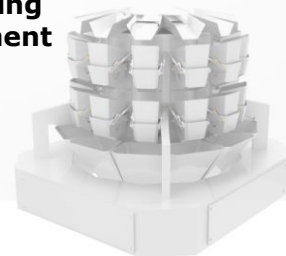


Modular
Belt
Conveyors

Packaging Machinery



Weighing Equipment



Stronger. By Design.

Product Range for Food & Beverage

Timken Engineered Bearings

Housed Units



Ball Bearings



Tapered



Cylindrical



Spherical



Belts



Chain & Augers

Couplings &
Universal JointsGears &
Gear DrivesStainless
GearboxesLubrication
Systems

Mechanical Power Transmission Products

Products for corrosive environments

Housed Units

Housing Options

Style	Materials	Blue Polymer	QuiKlean®	Special Design
 Pillow Block, Standard and Tapped Base, 2-, 3- and 4-Bolt Flange, Take-up Unit	 Polymer, Cast Stainless, Machined Stainless, Nickel Coated, PTFE Coated	 Optically Detectable	 Reduced surface contact area to increase sanitation	 Type E, SAF, custom bolt pattern and housing design

USDA-Accepted

• Polymer housing • Machined stainless steel • QuiKlean® • Special design

Housed Units

Insert Options



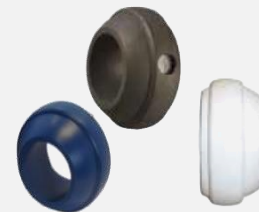
S440C
Stainless Steel,
Thin Dense Chrome



12 to 90 mm bore



Set Screw
Excentric Collar



9 choices, cryo to
427°C, optional
Food Contact,
Metal Detectable



Food grade options:
7 choices, cryo to
343°C, NSF H1
Including Solid Lube



	Poly-Round® & All-Round® Bearing Materials		PV Limit (MPa-M/S)	Max Speed V (M/S)	Max Loading P (MPa)	Temp Range	Chemical	Washdown	Submerged	ΔT Dimensions stability with temp change	Abrasion Resistance	Impact Resistance	Direct food contact
	Color												
BEARINGS	PA	White	0.04	0.25	5.52	Cry - 65°C	Excellent	Excellent	Excellent	Poor	Abrasion applications are very unpredictable. Each application must be tested for abrasion resistance. The best way to extend bearing life is to isolate the bearing.	Excellent	Yes
	AA	White	0.07	1.02	6.89	-40°C - 71°C	Fair	Excellent	Good	Fair		Fair	Yes
	OE	Brown	0.18	1.78	6.89	-40°C - 71°C	Good	Excellent	Good	Fair		Excellent	Yes
	ON	Blue (metal det)	0.18	1.78	6.89	-40°C - 71°C	Good	Excellent	Good	Fair		Excellent	Yes
	NA	Grey	0.21	1.78	13.78	-40°C - 93°C	Good	Excellent	Good	Fair		Excellent	Yes
	FA	White	0.21	1.78	6.89	-40°C - 260°C	Excellent	Excellent	Excellent	Poor		Excellent	Yes
	QF	Black	2.10	2.03	41.36	Cry - 232°C	Excellent	Excellent	Excellent	Excellent		Fair	Yes
	MZ	Black	0.21	1.52	27.57	-18°C - 343°C	Excellent	Excellent	Excellent	Excellent		Fair	Yes
	MY	Black	0.18	1.27	20.68	1°C - 427°C	Excellent	Excellent	Excellent	Excellent		Fair	Yes

Timken Solid Lube

Solid Lube is a micro-porous polymer structure combined with high-performance oils and additives. It completely fills the free volume in the bearing between the races, rolling elements and the cage. Thanks to its micro-porous structure, the solid lubricant can contain up to three times as much oil as a similar volume of grease.

During bearing rotation, the solid lubricant polymer releases the appropriate amount of oil to lubricate the rolling elements and raceways.

Features:

- Hygienic: Its unique makeup helps prevent lube from contaminating food products. Some Solid Lube grades have NSF H1 registration.
- Protected: Full-fill and large-oil reservoir helps guard against washdown and ingress of contaminants for safe and reliable operation.
- Cost-effective: Timken Solid Lube helps reduce your operating costs and increase operational productivity.
- Versatile: With a wide range of Solid Lube solutions, we can match application requirements, including extreme temperatures or washdown environments.

Note: the use of solid lube limits operating speeds of the bearing. Please consult with the catalog and application engineering.



Timken Solid Lube – Ball Bearings



Solid Lube options are available relating to:

- All bearing products*
- High temperature applications
- Harsh chemical washdown
- High speed applications
- Grease leak/contamination
- Timken Ball inserts available open, sealed, and sealed with flinger
- Timken DGBB and ACBB available open and sealed

VSL613 Food Solid Lube option: NSF H1 registered synthetic oil

- Complies with FDA guidelines for lubricants with incidental food contact
- Maintains proper lubrication for a wide range of operating temperatures from -49° F to 199° F (-45° C to 93° C)
- Provides protection against corrosion



Solid Lube Options

- Wide selection of solid lube bearings available from stock
- Broad selection of lubricant options for various applications
- 'VSL613' lube is an excellent choice for general food applications when moisture is an issue.



Bearing Material	Color	Temperature Range
NSF H1 food grade grease	White	32° to 280°F / 0° to 140°C
NSF H1 food grade polymer (EPL)	White	-55° to 200°F / -48°C to 93°C
NSF H1 food grade polymer (EPL)	White	-65° to 275°F / -54° to 135°C
NSF H1 food grade polymer (EPL)	White	-25° to 350°F / -32° to 176°C
NSF H1 food grade polymer (EPL)	White	-40° to 500°F / -40° to 260°C
Industrial grade polymer (EPL)	Gray	-55° to 215°F / -48°C to 102°C
NSF H1 food grade graphite (EGL)	Black	-150° to 250°F / -101° to 121°C
NSF H1 food grade graphite (EGL)	Black	32° to 450°F / 0° to 232°C
NSF H1 food grade graphite (EGL)	Black	40° to 650°F / 5° to 343°C



NSF H1 – Food appropriate and other
alternative options available

NO Grease
NO Free Space
Reduced speeds!



Longer Bearing Life
Enhanced Ingress Protection



Reduced Risk of Food Contamination



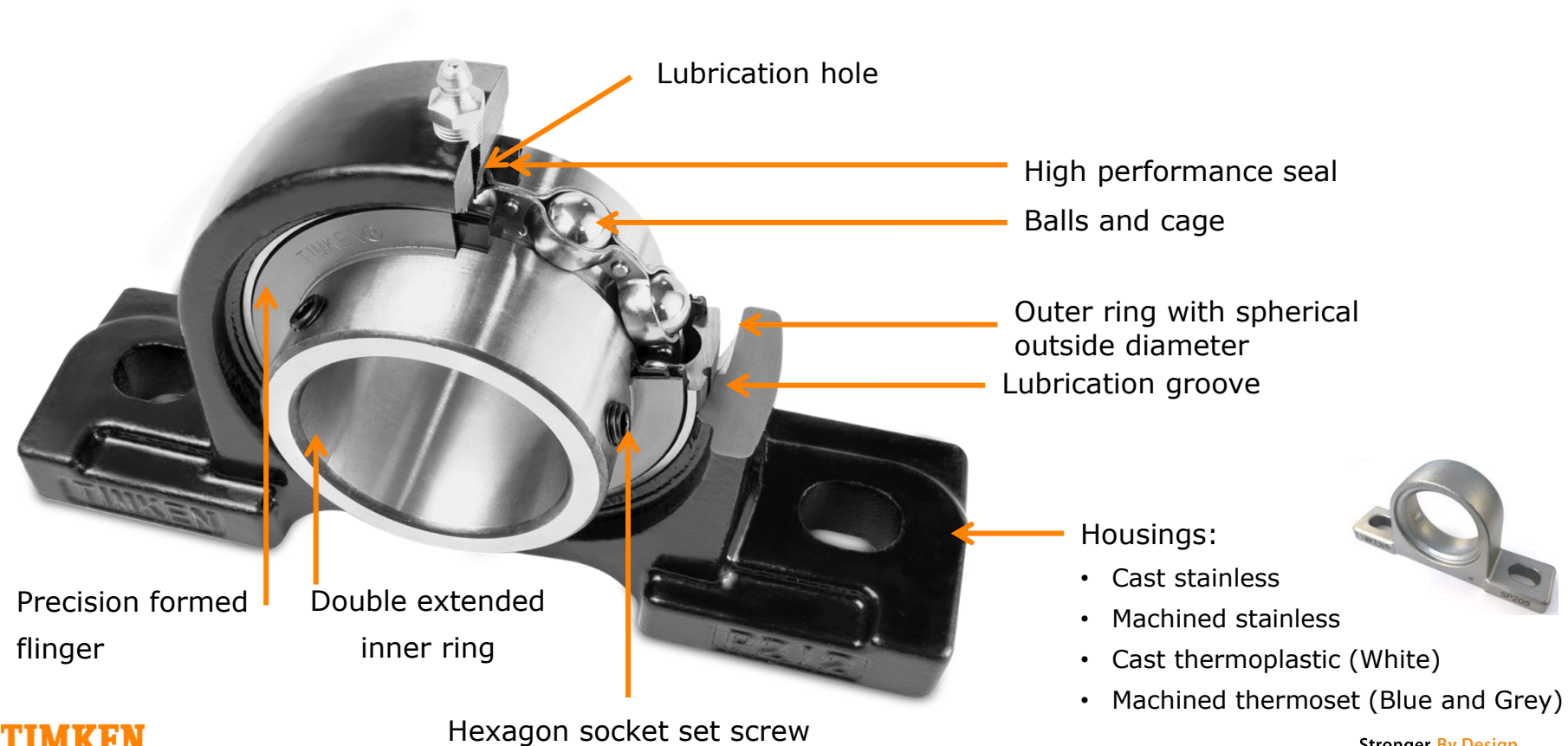
Maintenance-Free

Timken U Series Corrosion Resistant Ball HU

- 300 Series stainless housing & thermoplastic polymer housing
- Stainless steel bearing insert
 - Equivalent to 440 rings and rollers
 - Stainless steel cage
 - Rubber lip seal with excluder and axial lip + flinger
- Stainless and polymer end caps available
- NSF registered grease
- Solid Lube options



Timken U Series Corrosion Resistant Ball HU



Poly-Round® Plain Bearings

- Longer bearing life
- NO catastrophic failure
- USDA-accepted
- MAINTENANCE free
- NO grease
- NO rolling element
- NO seals
- NO cage
- 100% interchangeable with ball bearing inserts
- Solution housing with smooth surfaces and minimal crevice
- Cast and machine stainless housing options



Poly-Round® Plain Bearing Applications



Sprocket-driven
Conveyors



Oven Idler /
Support Rollers



Metal
Detectable



Offal / Waste Water



Single Pivot Dumpers



Blender, Mixers,
Chillers, Cookers



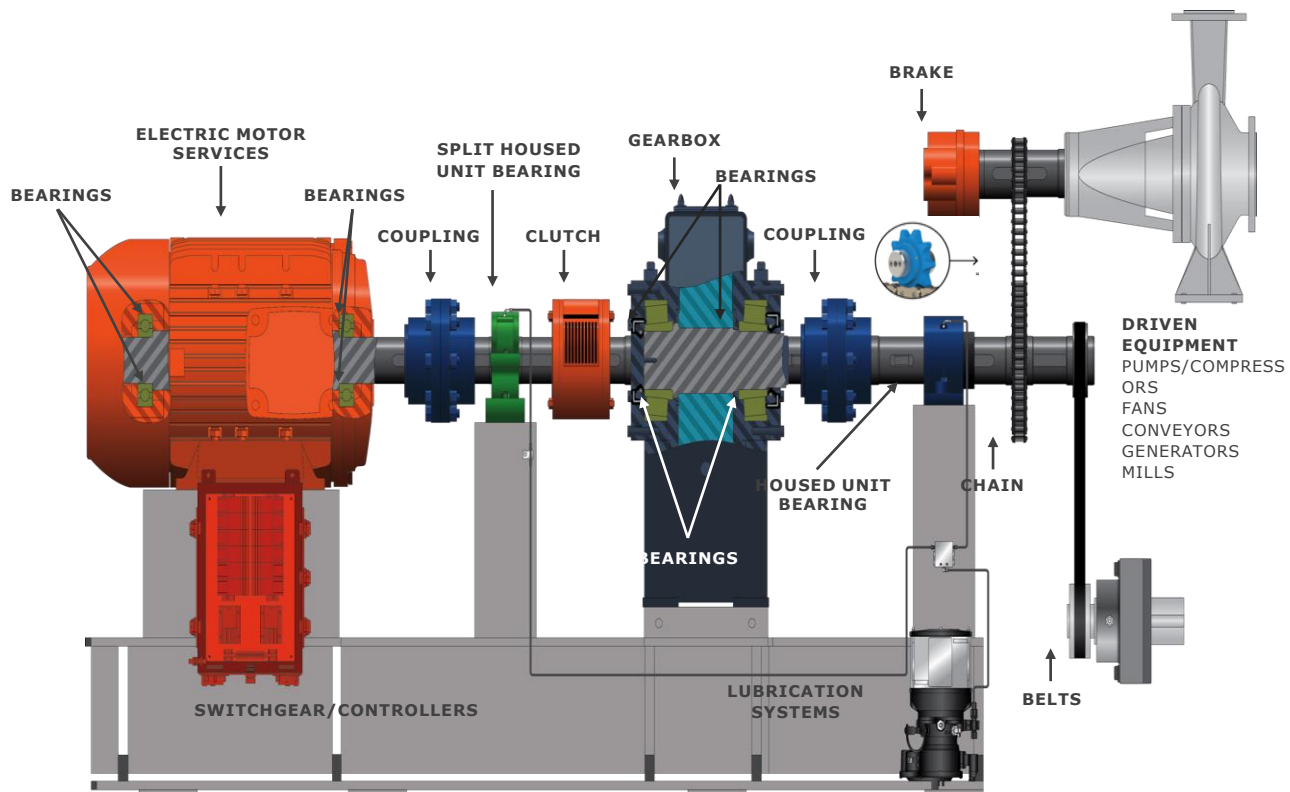
Glass bottle
forming to 540°C

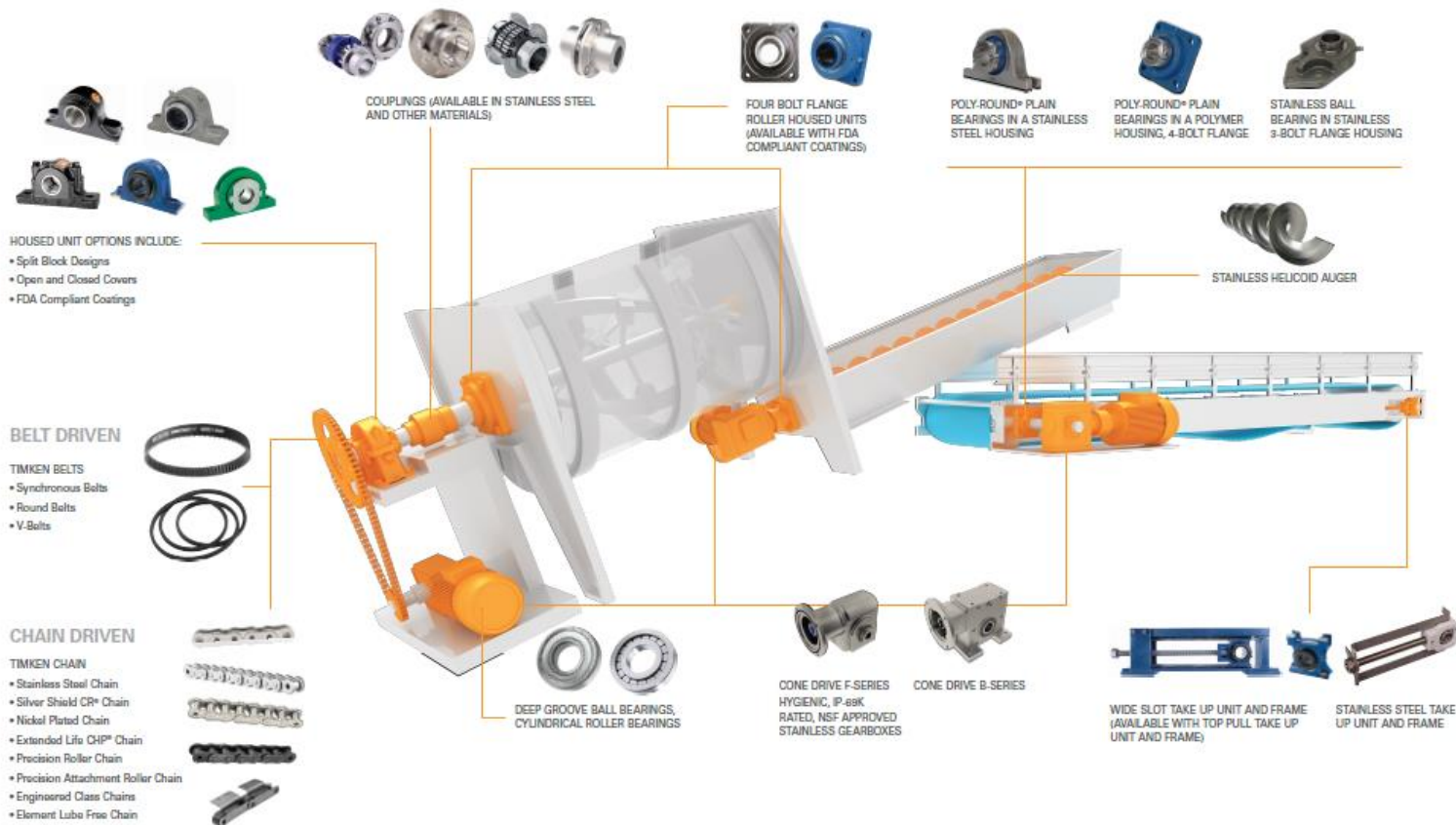


Fryers, Boilers,
Steamers, Blanchers

Products for general food processing applications

Providing Expertise Across the Drivetrain





Timken Housed Unit Portfolio

Ball Housed Units		Roller Housed Units				Food & Beverage Housed Units	
Solid block		Split block		Solid block		Polymer / Stainless Steel block	
Y-Series	UC-Series	Solid Bearings	Split Bearings	Spherical Bearings	Tapered Bearings	Ball Bearings	Plain Bearings
							
Fafnir® wide inner ring bearing housed unit	UC Type metric wide inner bearing housed unit	SNT metric plummer blocks & SAF pillow blocks	Split cylindrical roller bearing housed unit	Solid block spherical roller bearing housed unit	Type-E tapered roller bearing housed unit	EDT stainless steel ball bearing and housed unit	EDT plain bearing with polymer housing

Spherical Roller Bearing Solid-Block Housed Unit



TIMKEN

Stronger. By Design.

Spherical Roller Bearing Solid-Block Housed Unit

Specifications & Offering

- Full housed unit product line
 - Dimensionally interchangeable with virtually all competitive product
 - Eight mounting configurations
 - Seven different locking styles
 - Single & double concentric (CL)
 - Single eccentric (EC)
 - Tapered adapter lock (TA/DV)
 - Single & double V-Lock
 - Double nut tapered adapter lock (TAA)
- Full imperial shaft range
 - 1-7/16 in. through 15 in.
- Full metric shaft range
 - 40 mm through 380 mm
- 14 sealing options (6 primary, 8 secondary)
 - Primary
 - Labyrinth – DuPont, Teflon (T-seal)
 - Double -Lip – Nitrile (B), Viton (C)
 - Triple-Lip – Nitrile (M), Viton (N), Urethane (O)



Most Popular



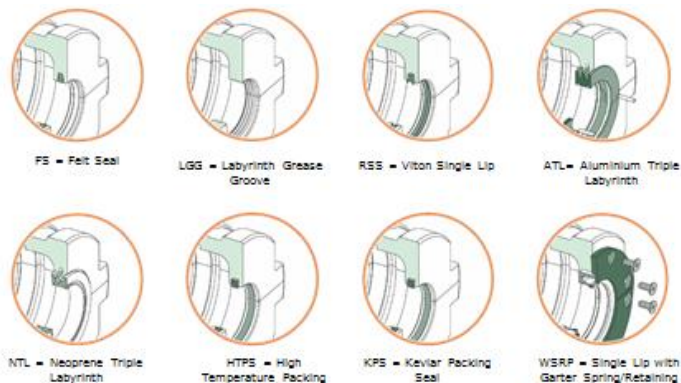
Split Cylindrical Roller Bearing Block Housed Unit



Split Cylindrical Roller Bearing Block Housed Units

Specifications & Offering:

- Size range from 1 3/16 in.-24 in. (35 mm-600 mm) bore and a maximum outside diameter of 60 in. (1500 mm)
- Three bearing series:
 - Light
 - Medium
 - Heavy
- Four housing types (right):
 - Pillow block
 - Flanged
 - Take-up
 - Hanger
- Eight seal styles





SAF Split Pillow Block Housed Unit

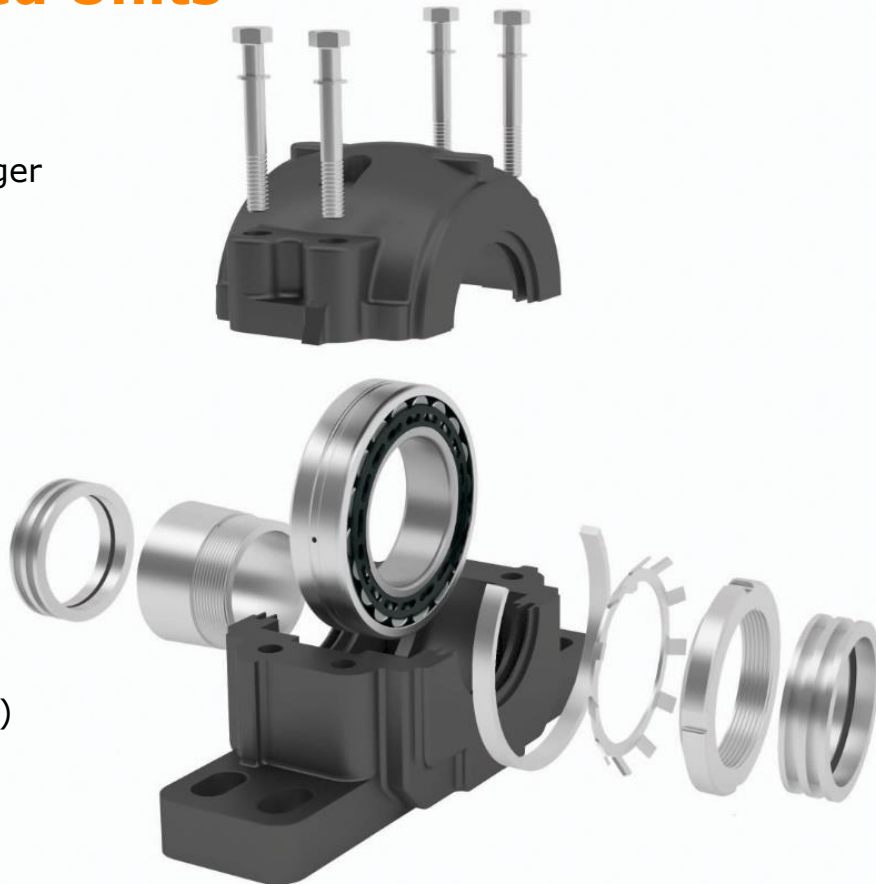
TIMKEN

Stronger. By Design.

SAF Split Pillow Block Housed Units

Specifications & Offering:

- Standard shaft size from 1 3/8 in.-19 1/2 in. (35 mm-495 mm), with larger shaft sizes available
- Multiple housing configurations:
 - Two-bolt, four-bolt
 - Standard and heavy duty
 - Cast iron (standard), cast steel, ductile
- Multiple seal types:
 - LOR / ER
 - TG
 - Dustac®
 - FTV/FTL/RLS
- Custom sizes and numerous specials and modification codes (minor to complete specials)
- Tapered or straight bore designs
- Fixed or Float



SNT Split Plummer Block Housed Unit



SNT Split Plummer Block Housed Units

Specifications & Offering:

- Size range:
 - Tapered bore shafts 20 mm-400 mm
 - Straight bore shafts 25 mm-175 mm
 - Larger sizes available
- Four sealing options:
 - Double-lip
 - Labyrinth
 - V-ring
 - Taconite
- Housing material options:
 - Standard duty
 - Cast iron
 - Heavy duty (special order)
 - Ductile iron
 - Cast steel



Ball Bearing Housed Units



TIMKEN

Stronger. By Design.

Ball Bearing Housed Units

Specifications & Offering:

- Bearings with spherical outer rings and precision-machined cast-iron housings help prevent outer ring rotation
- Bearings withstand static misalignment of the shaft of ± 3 degrees
- Designed for normal operation between -20°C and 100°C
- Five different housing designs plus replacement



Ball Bearing Housed Units

Specifications & Offering:

- Inserts are offered in metric and imperial sizes
- Set screw locking design allows for easy installation
- Extensive range of sizes meets the needs of a wide range of applications
- Interchangeable without modification in many applications



U Series Ball Bearing Housed Units



U Series Ball Bearing Housed Units

Specifications & Offering:

- Bearings with spherical outer rings and precision-machined cast-iron housings help prevent outer ring rotation
- Bearings withstand static misalignment of the shaft of ± 3 degrees
- Designed for normal operation between -20°C and 100°C
- Five different housing designs plus replacement



U SERIES STANDARD GLOBAL OFFERING

Locking Styles

1. Set screw (UC) = 12mm-140mm

- **200 series = 12mm-90mm**
- 300 series = 25mm-140mm

2. Eccentric (UEL) = 12mm-75mm

3. Adapter sleeve (UK) = 20mm-80mm

- Note: Adapter sleeve sold separately



PILLOW BLOCK UNITS

UCP – 12 mm to 140 mm (½ in. to 4 in.)
UEL – 12 mm to 75 mm (½ in. to 3 in.)
UKP – 20 mm to 80 mm (¾ in. to 3 in.)



FOUR-BOLT FLANGED UNITS

UCF – 12 mm to 140 mm (½ in. to 4 in.)
UEL – 12 mm to 75 mm (½ in. to 3 in.)
UKF – 20 mm to 80 mm (¾ in. to 3 in.)



TWO-BOLT FLANGED UNITS

UCFL – 12 mm to 130 mm (½ in. to 4 in.)
UELFL – 12 mm to 75 mm (½ in. to 3 in.)
UKFL – 20 mm to 80 mm (¾ in. to 3 in.)



PILOTED ROUND FLANGED UNITS

UCFC – 12 mm to 90 mm (½ in. to 3½ in.)
UELFC – 12 mm to 75 mm (½ in. to 3 in.)
UKFC – 20 mm to 80 mm (¾ in. to 3 in.)



TAKE-UP UNITS

UCT – 12 mm to 140 mm (½ in. to 4 in.)
UEL – 12 mm to 75 mm (½ in. to 3 in.)
UKT – 20 mm to 75 mm (¾ in. to 3 in.)



WIDE INNER RING BALL BEARINGS

UC – 12 mm to 140 mm (½ in. to 4 in.)
UEL – 12 mm to 75 mm (½ in. to 3 in.)
UK – 20 mm to 80 mm (¾ in. to 3 in.)

U Series Product Offering



UC = Set Screw



UEL = Eccentric Locking Collar:

UK = Tapered Adapter Sleeve

Customer Success Story

Fewer Fan Failures with Timken Split CRB

INDUSTRY/APPLICATION

Food and Beverage Pet Food Overhung Fan

CHALLENGE

Frequent failures in an overhung fan application led to significant repair and replacement requiring a crane to remove the pulley drive mounted on the shaft and taking three days

TIMKEN SOLUTION

Timken® Split Cylindrical Roller Bearing Housed Unit, providing excellent contamination prevention, and simplified maintenance and installation.

RESULTS THAT MATTER

- Superior contamination prevention
- Reduced maintenance and replacement needs
- Improved reliability and performance



Chain Life Doubled, Maintenance Minimized with Timken

INDUSTRY/APPLICATION

Food and Beverage Dry Mill

CHALLENGE

Frequent, continuing drive chain failure due to grain dust abrasion led to short wear life and continuous need for replacement

TIMKEN SOLUTION

Timken Drives® Extended Life CHP® roller chain, featuring a harder wear surface ideal for dry, abrasive environments.

RESULTS THAT MATTER

- Doubled wear life in drive chain
- \$19,000 in annual savings.
- Minimized replacement and maintenance needs



Drive Chain Upgrade Leads to Major Savings

INDUSTRY/APPLICATION

Food and Beverage Potato Chip Manufacturer

CHALLENGE

Frequent roller chain failure due to premature elongation resulted in ongoing maintenance challenges. For food safety reasons, the roller chain can't be lubricated.

TIMKEN SOLUTION

Timken Drives® Extended Life CHP®

RESULTS THAT MATTER

- Tripled roller chain lifespan
- Minimized maintenance needs
- Nearly \$99,000 in annual savings



Timken Helps Beat the Heat with Custom Solutions

INDUSTRY/APPLICATION

Food and Beverage Hot Oven Conveyor

CHALLENGE

Frequent chain failure causing replacement every six months leading to ballooning annual maintenance costs.

TIMKEN SOLUTION

Timken Drives Chain

RESULTS THAT MATTER

- Chain life extended to 16 months
- Minimized maintenance and replacement
- More than \$60,000 in annual savings



Timken Improves Reliability, Productivity with Split CRB

INDUSTRY/APPLICATION

Food and Beverage Vertical Bucket Elevator

CHALLENGE

Frequent bearing-related breakdowns due to rain water and washdown cycles led to bearing failure within weeks of each new installation

TIMKEN SOLUTION

Timken® Split Cylindrical Roller Bearing Housed Units, a single-split rubber seal and higher-performance lubrication grease.

RESULTS THAT MATTER

- Increased uptime and productivity
- Reduced maintenance costs
- Boosted confidence in bearing performance and interchangeability

TIMKEN



TIMKEN CASE STUDY

Stronger. By Design.

Timken Solution Keeps Lines Running

INDUSTRY/APPLICATION

Food and Beverage Fan/Oven

CHALLENGE

Plummer block arrangement on a fan located above an oven experienced premature bearing failure caused by dust, inadequate sealing and, contamination. High oven temperatures restricted access to fan bearings causing a complete line stoppage.

TIMKEN SOLUTION

Timken® Split Cylindrical Roller Bearing Housed Units with a DuPont™ Kevlar® package-sealing arrangement to create a superior sealing solution

RESULTS THAT MATTER

- Reduced downtime
- Reduced maintenance costs
- Increased efficiency
- Increased performance

TIMKEN



TIMKEN CASE STUDY

Stronger. By Design.

Two Customers, One Timken Solution

INDUSTRY/APPLICATION

Food and Beverage Malting Operation Kiln Fan

CHALLENGE

Frequent bearing failures on a kiln fan, that controls the temperature in a steeping vessel. A plummer block arrangement supporting the fan shaft caused major issues when bearings needed replaced, added up to major downtime for the customer.

Another customer, also experienced significant downtime when the kiln fan bearings needed to be replaced. The drive and non drive bearings were trapped behind an impeller, a pulley and a belt taking one to two days and a complicated process to replace them.

TIMKEN SOLUTION

Timken® Split Cylindrical Roller Bearing Housed Units

RESULTS THAT MATTER

- Increased efficiency
- Lower bearing replacement cost
- Increased productivity and performance
- Reduced downtime

TIMKEN



TIMKEN CASE STUDY

Stronger. By Design.

Breakdowns Eliminated, Maintenance Mitigated for Potato Processor

INDUSTRY/APPLICATION

Food & Beverage French Fry/Potato Conveyor System

CHALLENGE

Frequent bearing failure led to unacceptable downtime and maintenance requirements. French Fry producer only saw 2-6 weeks of acceptable performance

TIMKEN SOLUTION

Timken® Spherical Roller Bearing Solid-Block Housed Unit with food-grade grease-filled urethane cover

RESULTS THAT MATTER

- Longer bearing life
- Minimized maintenance
- Maximized uptime



Poly-Round® Gets Major Food Processor Out of a Pickle

INDUSTRY/APPLICATION

Food & Beverage Pickle Processor Conveyor System

CHALLENGE

Constant bearing failure and lubrication issues necessitated continued replacement and heightened maintenance costs

TIMKEN SOLUTION

Poly-Round® Bearings incorporates lubrication into its composition and is highly corrosion-resistant

RESULTS THAT MATTER

Excellent corrosion resistance

Minimized maintenance and replacement

Savings of \$40,000 and counting



Animal Feed Supplier Seizes Savings with Timken Solution

INDUSTRY/APPLICATION

Food & Beverage Animal Feed Production

CHALLENGE

Experienced numerous operational issues related to contamination and frequent lubrication challenges. Faced need for unorthodox chain lengths when replacement was required.

TIMKEN SOLUTION

Drives® Extended Life CHP® Chain to actively fight against wear and elongation in harsh conditions with custom cut-to-length services

RESULTS THAT MATTER

- Reduced maintenance and lubrication requirements
- Eliminated regular maintenance requirements
- Major reduction in downtime



Over \$234,000 Saved with Timken Solution for Oven Rollers

INDUSTRY/APPLICATION

Food & Beverage Oven Roller Application

CHALLENGE

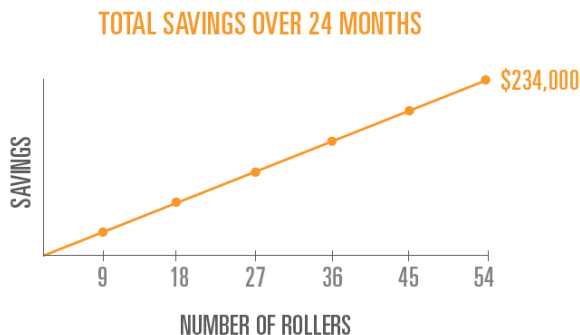
Weekly re-greasing and frequent bearing replacements

TIMKEN SOLUTION

Poly-Round® Plus Bearing

RESULTS THAT MATTER

- Oven roller bearing life extended from three months to 15
- Eliminated regular maintenance requirements
- Drastically reduced downtime



TIMKEN

TIMKEN CASE STUDY

Stronger. By Design.

Corrosion-Resistant Timken Solution Boosts Potato Peeler Performance

INDUSTRY/APPLICATION

Food & Beverage Potato Peeler

CHALLENGE

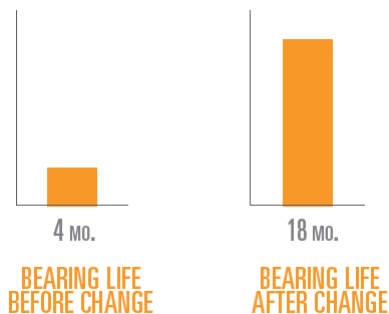
Corrosive potato starch and frequent washdown cycles interfered with lubricating grease and compromised bearing performance resulting in just 1-4 months bearing life

TIMKEN SOLUTION

EDT Peeler Bearing with nonrusting, corrosion-resistant components and no grease requirements

RESULTS THAT MATTER

- Bearing life extended from 1-4 months to 8-18 months
- Reduced maintenance
- Over \$8,000 in savings per peeler over two years



Poly-Round® Bearing Minimizes Maintenance, Saves \$130K

INDUSTRY/APPLICATION

Food & Beverage Chicken Processor Transfer Conveyors

CHALLENGE

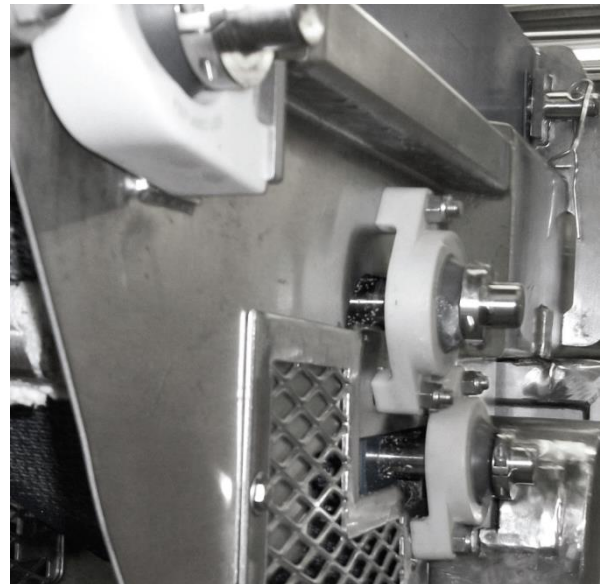
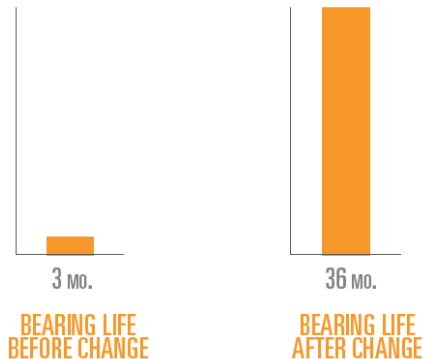
Heavy sanitizing washdown cycles compromised performance of the existing bearing, necessitating weekly re-greasing and water purging with bearings still only lasting 2-3 months

TIMKEN SOLUTION

Poly-Round® Bearing incorporates lubrication into its composition and is highly corrosion-resistant

RESULTS THAT MATTER

- Bearing life extended to three years
- Minimized replacement and maintenance needs
- Total savings of \$130,000



TIMKEN