

BREAD PRODUCTION

INDUSTRY SOLUTIONS

ROADMAP

Solutions For Every Application

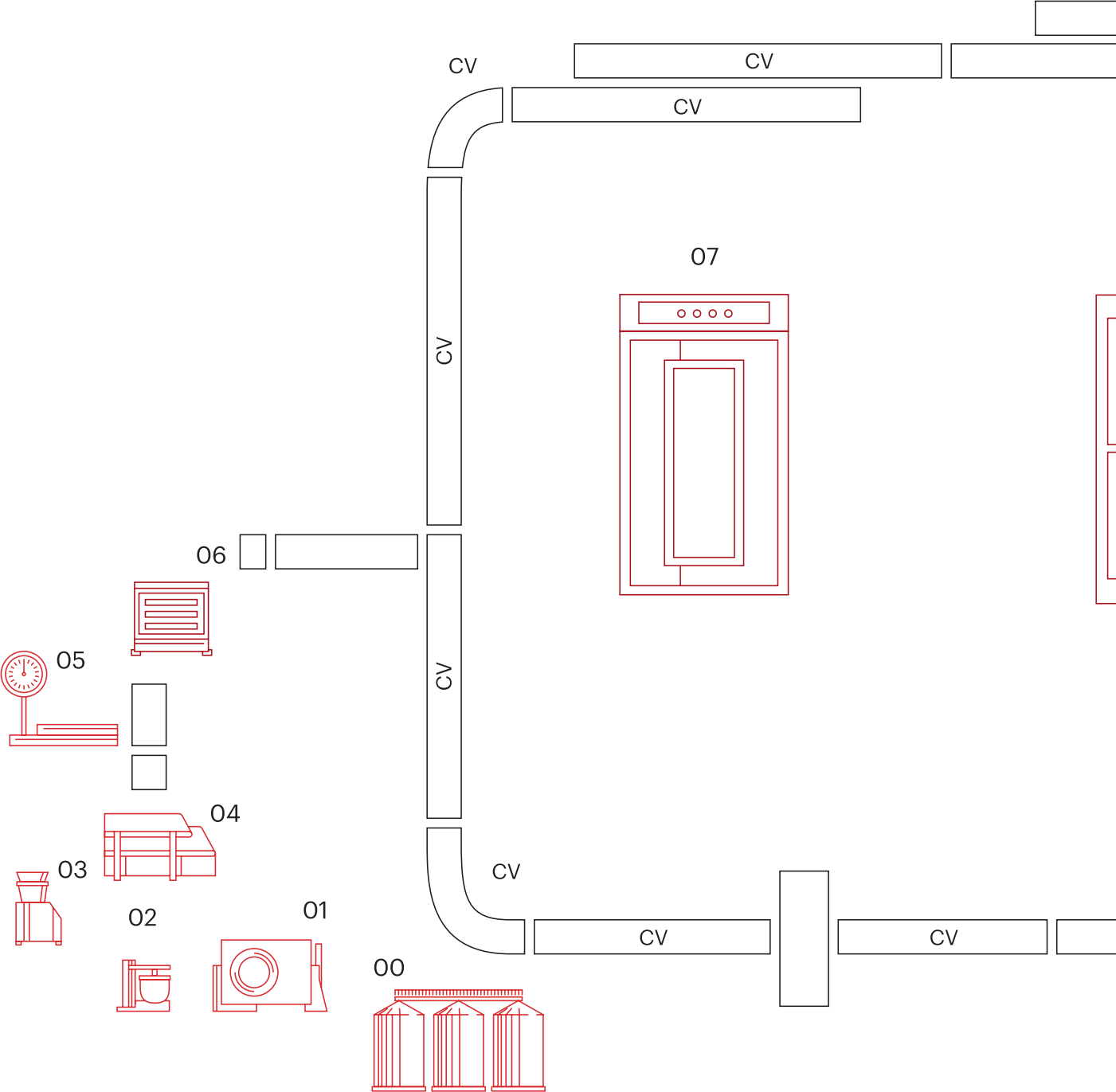
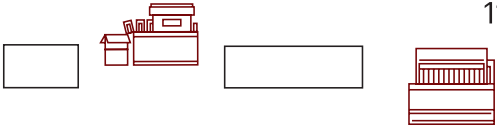


MOTION
Australia

BREAD PRODUCTION ROADMAP



12





Raw Ingredient Silo

- Automated Lubricators – PERMA, BEKA, PULSARLUBE
- Gearboxes – NORD, **BONFIGLIOLI**
- Electric Motors – **TECO**, WEG
- Vibrators – WAM
- Lubrication – MOLYKOTE, **ROCOL**, **CRC**, INOX
- Sprockets, Pulleys, Taper Locks – FENNER
- Keyless Locking Devices – ETP, FENNER, MAV
- V-Belts and Timing Belts – **TIMKEN**, **GATES**, MEGADYNE
- Couplings – **TIMKEN**, **FALK**
- Fasteners – HOBSON ENGINEERING, ICCONS, BRIGHTON BEST

Mixers

- Automated Lubricators – PERMA, BEKA, PULSARLUBE
- Gearboxes – NORD, **BONFIGLIOLI**
- Electric Motors – **TECO**, WEG
- Chain – **TIMKEN**, REGINA
- Polychain – **GATES**
- Lubrication – MOLYKOTE, **ROCOL**, **CRC**, INOX
- Sprockets, Pulley, Taper Locks – FENNER
- Housings – **TIMKEN**
- Bearings – NSK, **TIMKEN**, NTN, **SCHAEFFLER**, DODGE, **REXNORD**
- Split Bearings – **SCHAEFFLER**, COOPER
- Screw Conveyors – MARTIN, WAM
- HDDF Seals
- Mechanical Sealing – RB SEALING
- Variable Speed Drives – **TECO**, WEG
- Linear Bearings – **SCHAEFFLER**, LINEAR, RBC, FK, MCGILL
- Fasteners – HOBSON ENGINEERING, ICCONS, BRIGHTON BEST

Dividers

- Automated Lubricators – PERMA, BEKA, PULSARLUBE
- Gearboxes – NORD, **BONFIGLIOLI**
- Electric Motors – **TECO**, WEG
- Chain – **TIMKEN**, REGINA
- Lubrication – MOLYKOTE, **ROCOL**, **CRC**, INOX
- Housings – **TIMKEN**
- Rotary Seals – SIL
- Specialised Plastics
- Brakes & Clutches – TWIFLEX, COREMO, EATON, NEXEN
- Couplings – **TIMKEN**, **FALK**
- Fasteners – HOBSON ENGINEERING, ICCONS, BRIGHTON BEST

Rounder

- Gearboxes – NORD, **BONFIGLIOLI**
- Electric Motors – **TECO**, WEG
- Lubrication – MOLYKOTE, **ROCOL**, **CRC**, INOX
- Brakes & Clutches – TWIFLEX, COREMO, EATON, NEXEN
- Couplings – **TIMKEN**, **FALK**
- Fasteners – HOBSON ENGINEERING, ICCONS, BRIGHTON BEST

Tin Conveyours

- Gearboxes – NORD, **BONFIGLIOLI**
- Chain – **TIMKEN**, REGINA
- Lubrication – MOLYKOTE, **ROCOL**, **CRC**, INOX

- Specialised Plastics
- Fabric Belting – HABASIT
- Brakes & Clutches – TWIFLEX, COREMO, EATON, NEXEN
- Fasteners – HOBSON ENGINEERING, ICCONS, BRIGHTON BEST
- Side-flex Steel FlatTop Chain – **REXNORD**

Cold Bread Conveyor

- Gearboxes – NORD, **BONFIGLIOLI**
- Electric Motors – **TECO**, WEG
- Chain – **TIMKEN**, REGINA
- Automated Lubrication - PERMA, BEKA, PULSARLUBE
- Lubrication – MOLYKOTE, **ROCOL**, **CRC**, INOX
- Sprockets, Pulley, Taper Locks – FENNER
- Keyless Locking Devices – ETP, FENNER, MAV
- Bearings – NSK, **TIMKEN**, NTN, **SCHAEFFLER**, DODGE, **REXNORD**
- Specialised Plastics
- Fabric Belting – HABASIT
- Flat Top & Mesh Chain – **REXNORD**, CAMBRIDGE, ASHWORTH
- V-Belts & Timing Belts – **TIMKEN**, **GATES**, MEGADYNE
- Pneumatics – SMC, IFS, FESTO
- Rollers – ADEPT, INTEROLL
- Linear Bearings – **SCHAEFFLER**, LINEAR, RBC, FK, MCGILL
- Fasteners – HOBSON ENGINEERING, ICCONS, BRIGHTON BEST
- Plastic Chain – EWART
- Grid Link Chain – S&K

Crate Wash

- Automated Lubricators – PERMA, BEKA, PULSARLUBE
- Lubrication – MOLYKOTE, **ROCOL**, **CRC**, INOX
- Gearboxes – NORD, **BONFIGLIOLI**
- Electric Motors – **TECO**, WEG
- Bearings – NSK, **TIMKEN**, NTN, **SCHAEFFLER**, DODGE, **REXNORD**
- Specialised Plastics
- Flat Top & Mesh Chain – **REXNORD**, CAMBRIDGE, ASHWORTH
- Fasteners – HOBSON ENGINEERING, ICCONS, BRIGHTON BEST
- CC600 Chain – EWART

Proofer

- Automated Lubricators – PERMA, BEKA, PULSARLUBE
- Chain – **TIMKEN**, REGINA
- Lubrication – MOLYKOTE, **ROCOL**, **CRC**, INOX
- Flat Top & Mesh Chain – **REXNORD**, CAMBRIDGE, ASHWORTH
- Conveyor Chain – RENOLD, ZMC, DAVIDSONS, EWART, **TIMKEN**
- Brakes & Clutches – TWIFLEX, COREMO, EATON, NEXEN
- Pneumatics – SMC, IFS, FESTO
- Fasteners – HOBSON ENGINEERING, ICCONS, BRIGHTON BEST

Oven

- Automated Lubricators – PERMA, BEKA, PULSARLUBE
- Gearboxes – NORD, **BONFIGLIOLI**
- Electric Motors – **TECO**, WEG
- Lubrication – MOLYKOTE, **ROCOL**, **CRC**, INOX, BAKERS MATE

- Sprockets, Pulley, Taper Locks – FENNER
- Bearings – NSK, **TIMKEN**, NTN, **SCHAEFFLER**, DODGE, **REXNORD**
- Flat Top & Mesh Chain – **REXNORD**, CAMBRIDGE, ASHWORTH
- Conveyor Chain – RENOLD, ZMC, DAVIDSONS, EWART
- V-Belts & Timing Belts – **TIMKEN**, **GATES**, MEGADYNE
- Pneumatics – SMC, IFS, FESTO
- Torque Limiters – TSUBAKI
- Linear Bearings – **SCHAEFFLER**, LINEAR, RBC, FK, MCGILL
- Castors & Trolleys – QHDC, MARLIN
- Fasteners – HOBSON ENGINEERING, ICCONS, BRIGHTON BEST

De Panner

- De Panner Bellows - SIL

Cooler

- Gearboxes – NORD, **BONFIGLIOLI**
- Electric Motors – **TECO**, WEG
- Chain – **TIMKEN**, REGINA
- Automated Lubrication – PERMA, BEKA, PULSARLUBE
- Lubrication – MOLYKOTE, **ROCOL**, **CRC**, INOX
- Sprockets, Pulley, Taper Locks - FENNER
- Flat Top & Mesh Chain – **REXNORD**, CAMBRIDGE, ASHWORTH
- Conveyor Chain – RENOLD, ZMC, DAVIDSONS, EWART
- Pneumatics – SMC, IFS, FESTO
- Torque Limiters – TSUBAKI
- Linear Bearings – **SCHAEFFLER**, LINEAR, RBC, FK, MCGILL
- Castors & Trolleys – QHDC, MARLIN
- Fasteners – HOBSON ENGINEERING, ICCONS, BRIGHTON BEST

Slicer

- Automated Lubricators – PERMA, BEKA, PULSARLUBE
- Gearboxes – NORD, **BONFIGLIOLI**
- Electric Motors – **TECO**, WEG
- Chain – **TIMKEN**, REGINA
- Polychain – **GATES**
- Lubrication – MOLYKOTE, **ROCOL**, **CRC**, INOX
- Bearings – NSK, **TIMKEN**, NTN, **SCHAEFFLER**, DODGE, **REXNORD**
- Specialised Plastics
- Fasteners – HOBSON ENGINEERING, ICCONS, BRIGHTON BEST

Bagger

- Automated Lubricators – PERMA, BEKA, PULSARLUBE
- Gearboxes – NORD, **BONFIGLIOLI**
- Electric Motors – **TECO**, WEG
- Chain – **TIMKEN**, REGINA
- Lubrication – MOLYKOTE, **ROCOL**, **CRC**, INOX
- Keyless Locking Devices – ETP, FENNER, MAV
- Bearings – NSK, **TIMKEN**, NTN, **SCHAEFFLER**, DODGE, **REXNORD**
- Specialised Plastics
- Brakes & Clutches – TWIFLEX, COREMO, EATON, NEXEN
- Linear Bearings – **SCHAEFFLER**, LINEAR, RBC, FK, MCGILL
- Fasteners – HOBSON ENGINEERING, ICCONS, BRIGHTON BEST

PROBLEM SOLVERS



Alemlube Singlepoint Lubricators

Cost effective, easy to install and simple to operate. Multiple available dispensing periods. Convenient for use in confined or hard to get to spaces.

Leading Questions

- What lubrication programs do you have?
- Is regular and correct lubrication processes important?
- Would you be interested in a cost-effective automated process?



Alemlube Multipoint Lubricators

Reduce costs and maximise efficiency. Greasing during operation, reduced component wear, reduced downtime and no grease point can be missed.

Leading Questions

- What lubrication programs do you have?
- Is regular and correct lubrication processes important?
- Would you be interested in a cost-effective automated process?



Rocol Foodlube Range

Provides Bread Production process companies with an audit compliant system for use and management of their lubrication and chemical needs. NSF H1 and HACCP approved maintenance products including aerosols and bulk.

Leading Questions

- Do you have a food grade lubrication program in place?
- Is it meeting the highest level of regulatory compliance?



CRC Greenlight Program

Provides Bread Production process companies with an audit compliant system

for use and management of their lubrication and chemical needs. NSF H1 and HACCP approved maintenance products including aerosols and bulk.

Leading Questions

- Do you have a food grade lubrication program in place?
- Is it meeting the highest level of regulatory compliance?



TECO MAX e3 Premium Severe Duty Motor

Built to assist in extreme oven recirculation conditions. The ultimate machine with features and performance desired in harsh conditions. IP66 SPEC protects against the elements. High efficiency reduces running costs.

Leading Questions

- What areas of your processes require specialised motor specifications?
- Do you use severe duty IP66 spec motors?



TECO Explosion Proof DIP eff3 Motor

TECO's Dust Ignition Proof (DIP) motors are suitable for zone 21 & 22, to meet the stringent IEC safety standards for electrical equipment used in hazardous areas (IEC614241.0:2004, IEC614241.1:2004), where the opportunity for airborne dusts have the potential to ignite. Rated at ExtD, TECO's Hazardous Area motors not only give protection but also maintain the high level of efficiency (eff3).

Leading Questions

- What areas of your processes require specialised motor specifications?

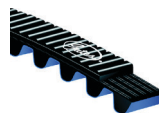


NTN Triple Lip Insert Bearings

Perfect for applications where bearings are exposed to flour ingredients and contamination. Superior seal performance. Simple implementation with extended relubrication intervals.

Leading Questions

- Where are you having frequent bearing failures?
- Is dust/flour ingredient ingress an issue?

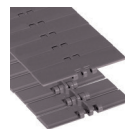


Gates Polychain GT Carbon

Designed for high torque, low speed drives. Lightweight belt that features increased power ratings. Maintenance free. Great in roller chain drive conversions or for v-belt drive conversions to achieve energy savings.

Leading Questions

- Where would you like to improve drive efficiencies and decrease chain drive lubrication and maintenance? Bin Lifter, slicer applications?



Rexnord TableTop Chain

Rexnord TableTop chains offer high strength and high speed along with SS for special applications such as the Tin Conveyors and Crate Wash areas. Magnetised Bend options are also available.

Leading Questions

- Where can we assist on your chain applications?



Timken Spherical Roller Bearing Solid-Block Housed Units

Excellent in extreme proofer oven applications with temperature extremes and bakery ingredients contamination. The Timken Spherical Roller Bearing Solid-Block Housed Units are the easiest on/ off bearing on the market.

Leading Questions

- Where are you having frequent bearing failures?

Service & Engineering

Condition Based Assessment

- Site Surveys
- Condition Monitoring
- Predictive Maintenance
- Return Part Analysis
- Load Simulation and Finite Element Analysis
- Fall Mode Effect Analysis

Process Improvements

- Design and Drafting
- Product Application Engineering
- Reverse Engineering
- Installation and Commissioning
- Corrective Services
- Special Purpose Manufacture
- Component Standardisation
- Asset Care and Rotables



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