FOOD AND BEVERAGE ❯
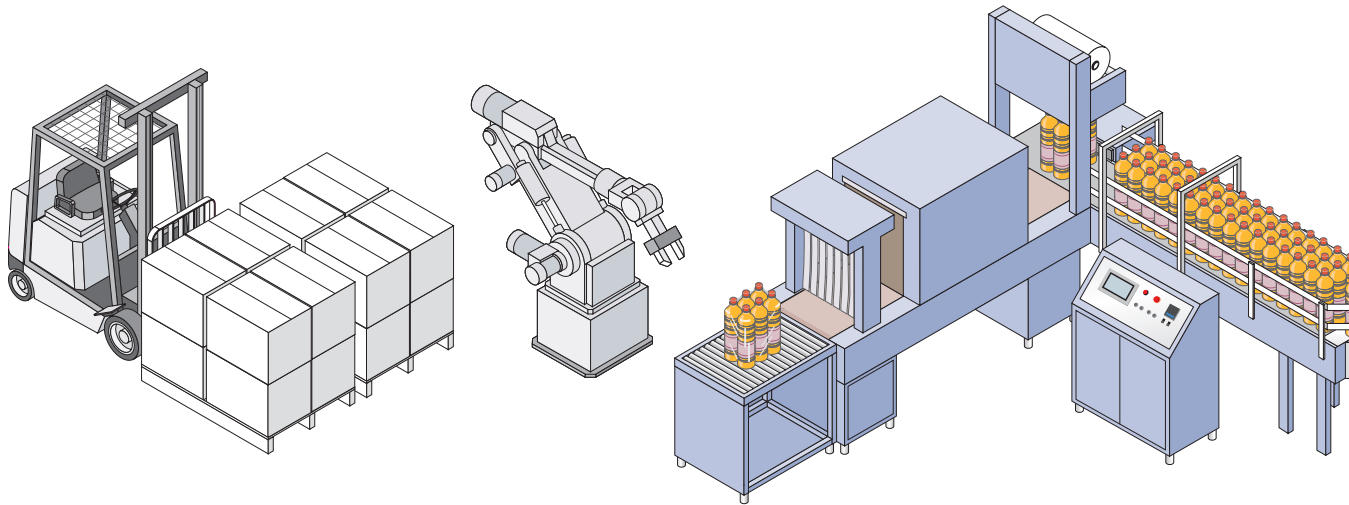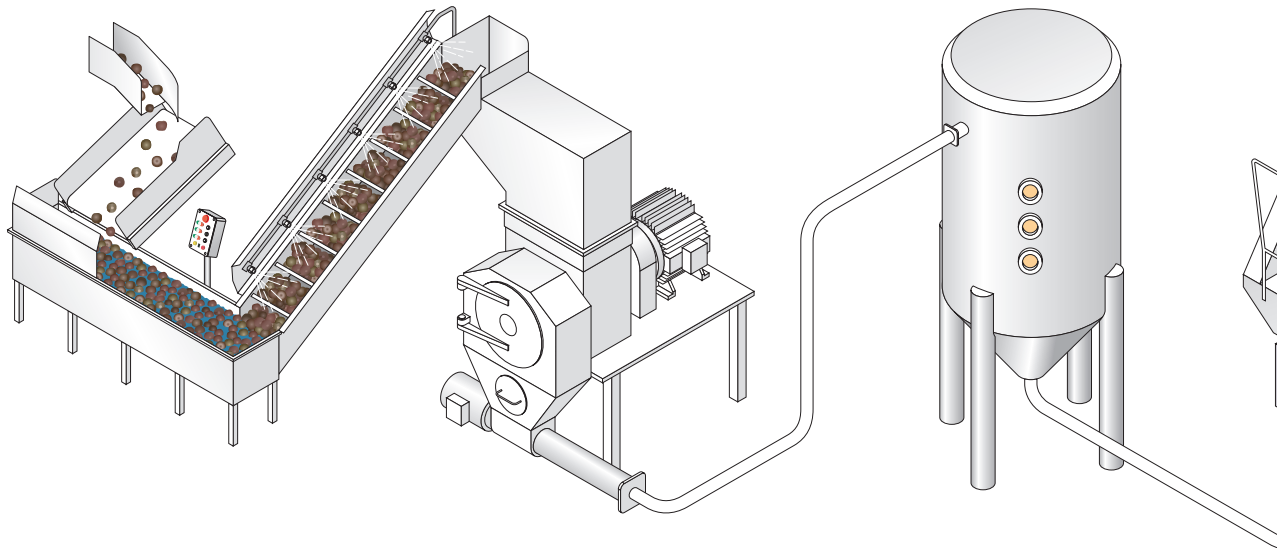# AUTOMATION & ELECTRICAL SOLUTIONS

molex®

MOLEX PROVIDES SOLUTIONS ❯
FOR FOOD AND BEVERAGE AUTOMATION PLANT INFRASTRUCTURES GLOBALLY.

Our team of highly-skilled experts is focused on designing and developing innovative product solutions for the Food and Beverage industry. From the dry areas of the process to the most demanding harsh environments, Molex's industrial communication, connectivity, power, control and plant accessory products meet the increasing automation requirements of the Food and Beverage processing industry.

PRODUCTS ❯

In Cabinet
- Network Interface Cards
- Ethernet Switches
- CIP Safety Software Kits
- SST™ Communication Modules
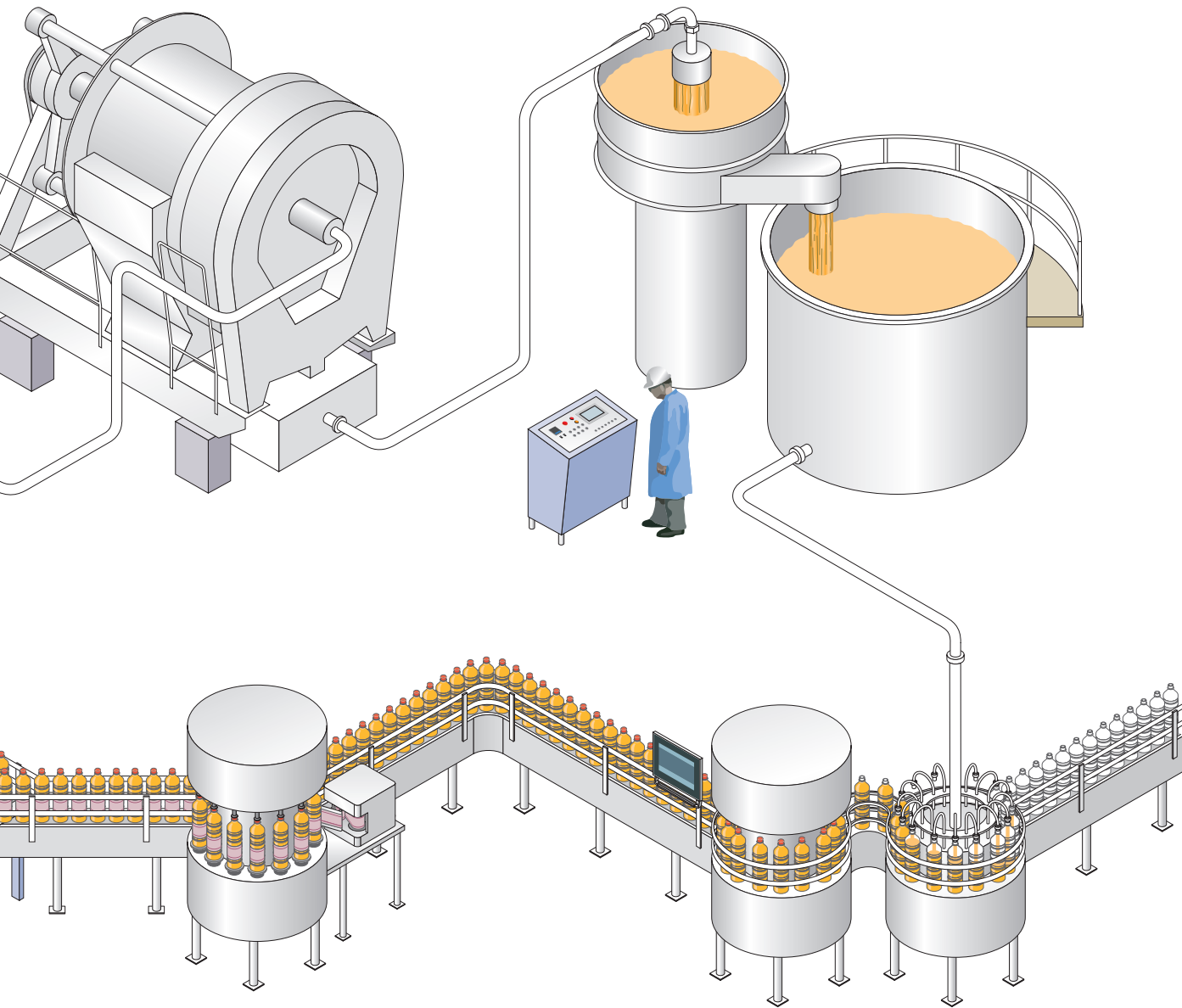- PICS Simulation® Software

I/O and Network
- Harsh I/O IP67 Modules
- Brad® DeviceNet* Cables and accessories
- Brad Ethernet Solutions
- Brad PROFIBUS Solutions

Connectivity
- Brad® Micro-Change® (M12) Stainless Steel Sensor Cordsets
- Brad mPm® Din Valve Connectors
- Brad Industrial USB Plugs and Receptacles
- Stainless Steel MPIS Distribution Boxes

*DeviceNet is a trademark of Open DeviceNet Vendor Association (ODVA)

Power and Motors

- Brad® Modular Products
- Brad Quick-Change® Connectors
- Field Attachable, Trunk Drop, Reducers, Tees and Receptacles

Plant Accessories

- Woodhead® Watertite® Wet location Wiring Devices
- GFCI Receptacles
- Stainless Steel Strain Relief and Support Grips
- Woodhead® Watertite Push-Button Pendant Stations

PRODUCT INFORMATION

IN CABINET

Network Interface Cards:
- SST™, applicom®, and Direct-Link™ Network Interface Cards (NICs) are intelligent communication solutions connecting various computer bus formats
- Software available for our NICs enables fast integration of industrial communication into a Food and Beverage plant application

Ethernet Switches:
- Managed and unmanaged Brad® Direct-Link® Ethernet switches provide reliable, robust performance across complex networks in a wide range of control and monitoring applications
- Available in DIN rail mount IP30 styles and machine mount IP67 versions

CIP Safety Software Kits:
- Meets IEC 61508, SIL3 standard
- Approved by TUV and complies with the CIP Safety Edition 2.1 ODVA standard

SST Communication Modules:
- Available for various industrial networks and fieldbus including Modbus Serial and TCP; PROFIBUS DP and AS-interface.
- Add-on Profiles (AOP) for ControlLogix* modules

I/O and NETWORK

Harsh I/O IP67 Modules:
- Machine mount I/O module which reduces cabinet space and wiring costs
- Brad Ultra-Lock® (M12) connection system provides fast and secure connections
- Support numerous fieldbus connectivity such as DeviceNet†, PROFIBUS-DP, EtherNet/IP

Brad DeviceNet† Cables and Accessories:
- Plug-and-play simplicity at power up for fast and easy integration
- Low-cost-real time, device level bus architecture connecting sensors and actuators

Brad PROFIBUS Solutions:
- DeviceNet, PROFIBUS, EtherNet I/P, ProfiNet and other available protocols
- Variety of receptacles and cordset options including accessories

CONNECTIVITY

M12 Stainless Steel Sensor Cordsets:
- IP67/IP69K compliant
- 316 Stainless Steel Hex Nuts
- Available with push-to-lock sealing

DIN Valve Connectors:
- Conforms to EN 175301-803
- IP67 sealing properties
- Used with solenoid valves in all hydraulic and pneumatic applications

Industrial Sealed USB:
- Bayonet-style latch receptacle for quick and easy connections
- Overmolded cordsets for faster installation
- IP67 compliant

Stainless Steel MPIS Distribution Boxes:
- Smooth 316 Stainless Steel housing
- Radial O-ring provides IP69K seal
- Receptacles accept either the Brad® Ultra-Lock® (M12) push-pull connector or standard (M12) threaded cordsets

POWER and MOTORS

Brad Power Products:
- Alternative to hard wiring using modular components for fast and easy installation
- 3 or 4 pole, 32A/600V, Stainless Steel Hardware
- NFPA 79-2007 compliant and UL 2237 listed

Brad Quick-Change® Connectors:
- 2 to 4 pole, up to 30A/600V
- Non-metallic hardware/no corrosion
- Ideal for all heat elements, meat saws and other tools
- 12 to 72 circuits
- Removable modular inserts for easy servicing
- IP65, UL, CSA, TUV, VDE 0110 agency ratings

PLANT ACCESSORIES

Watertite Wet Location Wiring Devices:
- Neotex® Rubber construction for ultimate temperature, chemical, oils and abrasion resistance
- IP67 rated for high-pressure hose down application up to 1,000 PSI
- Self-aligning blade contacts provide lower operating temperatures yielding longer connector life

GFCI Receptacles:
- Single or duplex receptacles designed for wet, abusive environments
- Available in 15, 20 or 30A, 120 or 240V
- Weatherproof, NEMA type 4, 4X, 6 and 6P ratings available

Stainless Steel Strain Relief and Support Grips:
- Strain-relief grips provide relief for cords or flexible conduit on plugs, connectors and enclosures or portable equipment
- Stainless steel mesh support grips are designed to withstand the most abusive plant envirnoments

Watertite® Pushbutton Pendant Stations:
- Customizable 2-, 4-, 6-, 8-, 10-, and 12-button pendant stations
- Choose from single- to three-speed switches, E-stop switches, key switches, and indicator lights
- Ergonomically designed to fit an operator's hand

*ControlLogix is a registered trademark of Rockwell Automation

†DeviceNet is a trademark of Open DeviceNet Vendor Association (ODVA)

Get customized insights at: **http://www.molex.com/industry/industrial.html**

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one company › a world of innovation