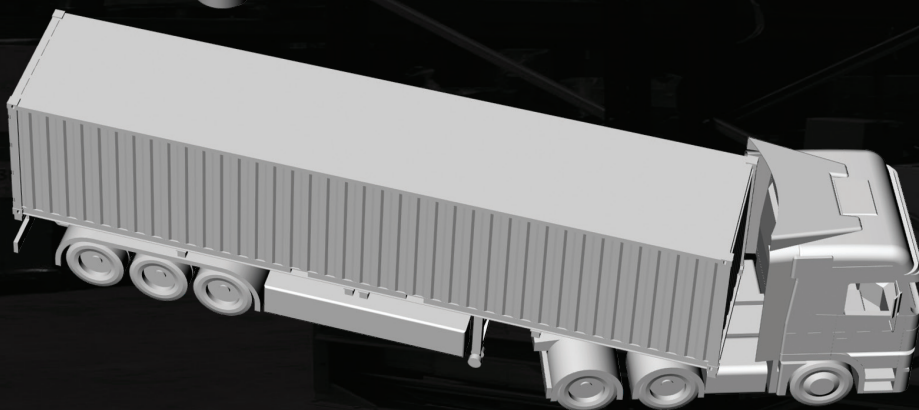


# *Solutions for* **AUTOMATIC IDENTIFICATION SYSTEMS**

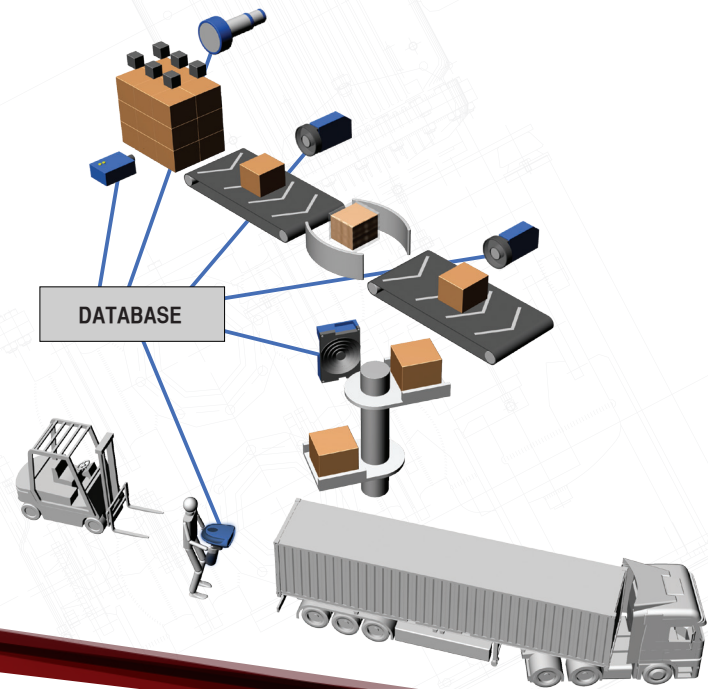
- ① Product Sizing and Quantification
- ② Product Identification
- ③ Bulk Labeling and Packaging
- ④ Inventory Management
- ⑤ Shipping Documentation
- ⑥ Systems Communication

⑥ DATABASE



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## Solutions for AUTOMATIC IDENTIFICATION SYSTEMS

As the pace of production and logistics continues to accelerate and the demands for 100% accuracy and accountability increase, Morrell continues to serve as its customers' single-source solution for all of their motion, control, and logistics needs. Morrell's automatic identification systems are increasingly utilized to help its customers revolutionize their end-of-production logistics. We have extensive experience in the successful design, engineering, prototyping, installation, and execution of automatic identification solutions. Using a variety of digital sensors, barcode scanners, conveyors, and other robotic implements, our solutions identify and track pallet content, label the pallet, update inventory records, and track pallet shipping. Each of these steps is coordinated within a central operations database that can be scaled to coordinate automated systems within the scope of an entire enterprise. Our expertise, coupled with our relationships with leading automation component suppliers, allows us to design and install custom solutions over an incredible range of industries.

### *Engineering, Manufacturing, & Quality Support:*

- Facility Planning
- Process Planning
- Product Planning
- Reverse Engineering
- Laser & White Light Scanning
- Ergonomic Studies
- Virtual Prototyping
- Component Sizing & Selection
- Engineering Support
- Manufacturing
- Electrical Engineering
- Field Wiring
- Electrical Control & Panel Design
- Full System Installation

### *Solutions for Automatic Identification Systems:*

- Safety
- Product Sizing & Quantification
- Product Identification
- Bulk Product Labeling
- Inventory Management
- Shipping Documentation
- Systems Communication

### *Engineering & Build Standards:*

- UL Certified
- NFPA
- CE
- CUL
- OSHA
- 2003 ISO 9000/2000
- 2004 TE 2000
- 2006 ISO 9001:2000
- 2009 ISO 9001:2008

### *Collaborators*

**morrell**

**WESS**  
VIRTUALLY DERIVED. EFFICIENTLY APPLIED.

**SICK**

 **APEX DYNAMICS, USA**

**EXLAR**

**stegner**  
controls

**MURR**  
ELEKTRONIK

**HARTING**

**Rexroth**  
Bosch Group  
Pneumatics

**Rexroth**  
Bosch Group  
Linear Motion

**DYNICS**