

Automatic Guided Vehicle (AGV)

Robust self-propelled transportation vehicle moves heavy loads precisely such as dough troughs to specific positions. Adapted to fit many bakery layouts, the AGV simplifies trough handling system processes.



DESIGN INNOVATIONS

The use of an Automatic Guided Vehicle improves operational safety and access to sanitation in mixing and sponge fermentation areas as required in bakery environments. DTA, an exclusive partner of AMF, offers more than three decades of experience with AGVs and is joining AMF Bakery Systems to offer innovative solutions for food processing environments.

EFFICIENCY

Omni-directional wireless technologies with self-navigation software optimize transportation routes. The AGV is in constant communication sharing data to the production Network.

PERFORMANCE

Smooth, quiet and trackless operation, the robust AGV construction easily sustains 24 hours / day operations with minimal weekly preventive sanitation and maintenance.

SAFETY

Machine mount scanners operate within safety zones to ensure smooth and safe operations complying with CE standards.

RELIABILITY

Autonomous operating system, the AGV requires minimal operator interaction.



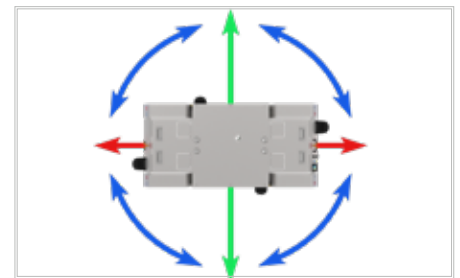
Simple Dough System Integration

OTHER ADVANTAGES

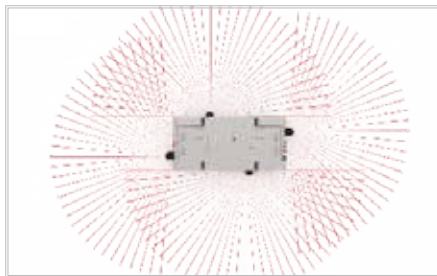
- ▼ Welding frame design with ANSI 304 stainless steel
- ▼ Two position lifting mechanism
- ▼ Accurate HMI connects for operator follow up
- ▼ Vehicle routing management through AMF recipe settings in HMI
- ▼ Trouble-free routing logic avoids conflicts with adjacent operational equipment
- ▼ Safety scanners safely stop AGV movement should an obstacle be detected
- ▼ High performance wireless communication from HMI to AGV PLC
- ▼ Remote control operation allows easy control and simple route changes during transportation
- ▼ Charging station at key route location to allow rechargeable batteries to fill throughout the day for continuous operation



Powerful & Safe Mechanics



Omni-directional Wheels



Sensors & Scanner for Safe Travel



HMI Connections



Easy Access Charging Station

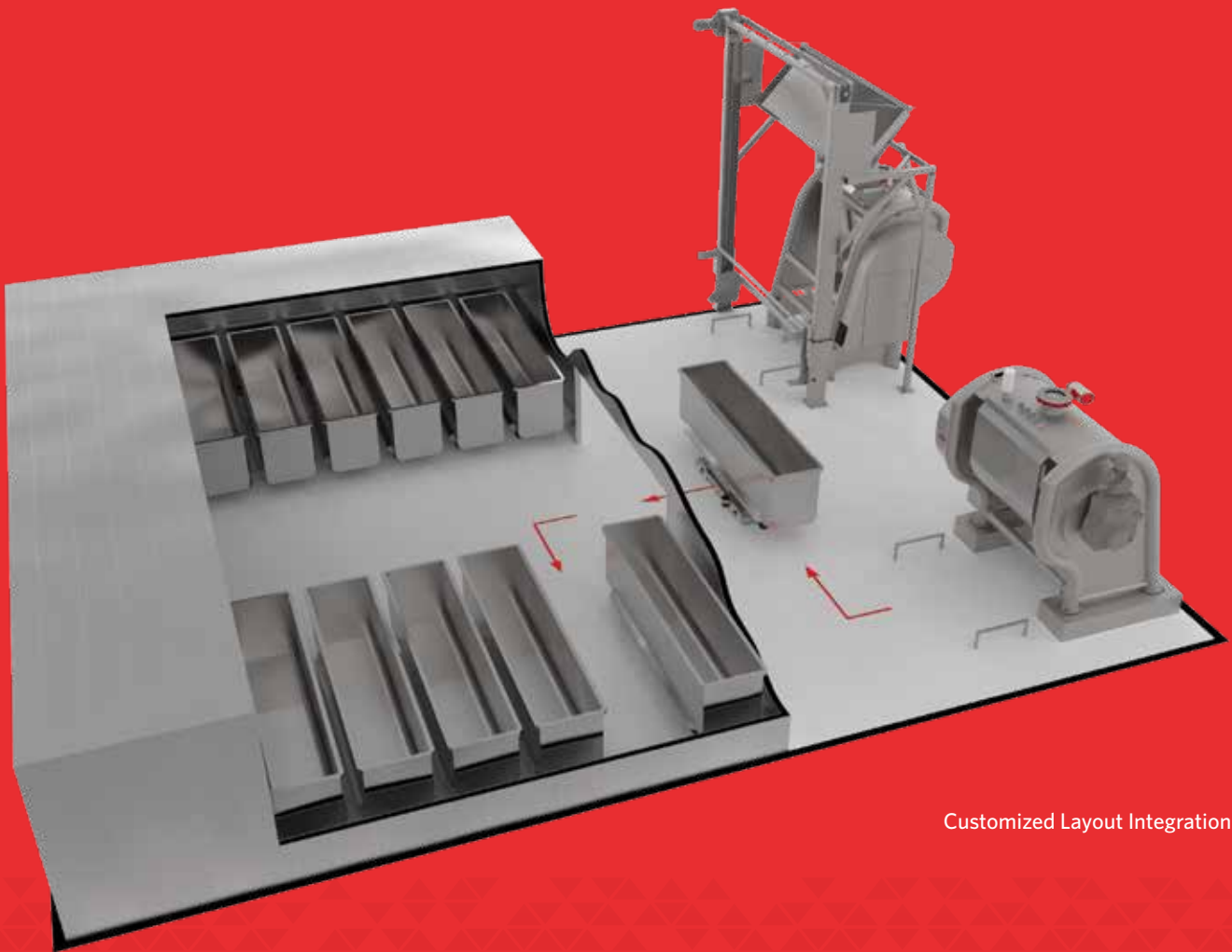


Remote Control

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Simple Dough Trough Handling Solution

Designed and manufactured by DTA exclusively for AMF Bakery Systems



Customized Layout Integration

Please visit www.DTA.es for additional information on AGV technologies.



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AMF's focus on continuous improvement may result in changes to machinery specifications without notice.

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