



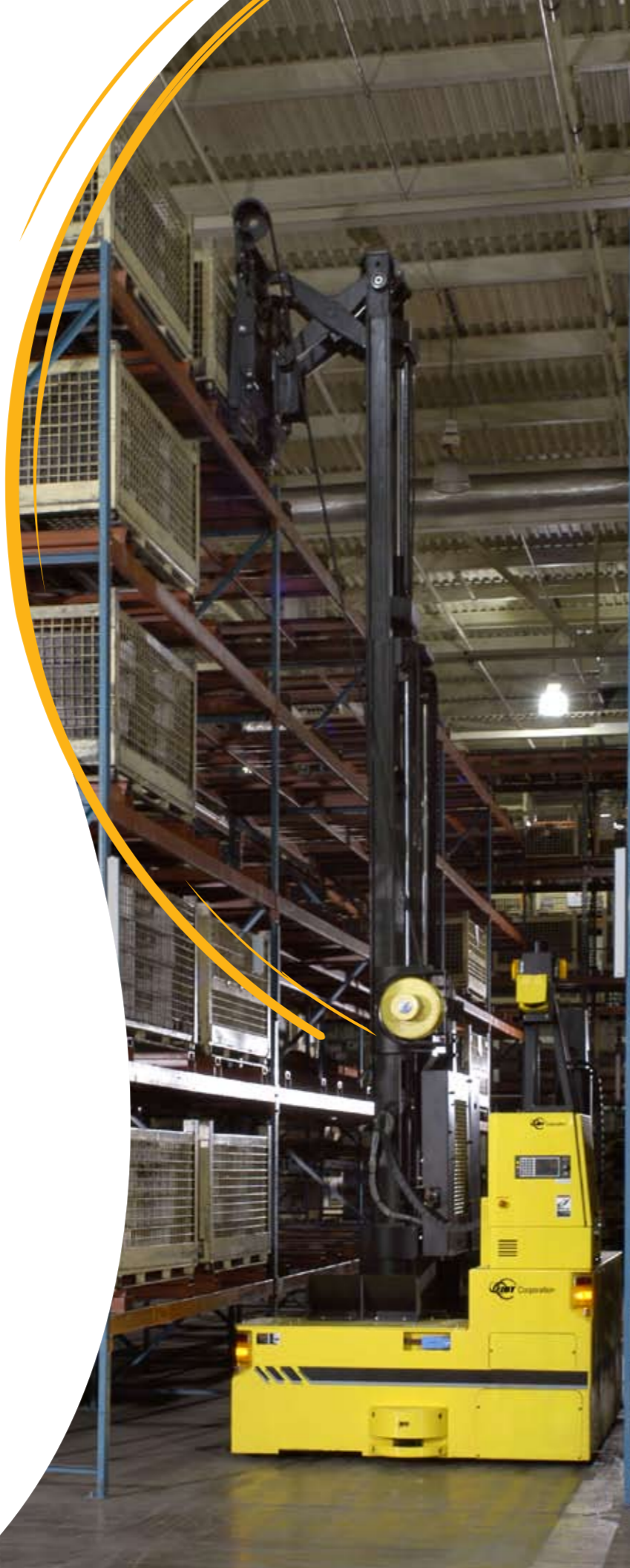
# Automatic Guided Vehicle Systems



# Bring Your Goals Within Reach

Automatic Guided Vehicle (AGV) Systems are one of the fastest growing equipment segments in the material handling industry. This growth has been generated by customers of all sizes across many industries. That's because AGV systems deliver a quick, positive ROI due to improved productivity, reduced product damage, improved efficiency, reduced costs and improved safety.

Join the growing number of companies that are installing AGV systems and bring your material handling goals within reach.



# JBT Corporation The supplier with more...

- More** standard vehicle types
- More** personnel dedicated to AGV system supply
- More** resources allocated to developing new technology
- More** vehicles designed and built each year
- More** vehicles in operation
- More** financial resources and stability
- More** flexibility for quick reconfiguration

Knowledge is our most valuable asset and it comes from the largest group of AGV experts anywhere. Each brings a unique perspective gained from decades of experience.

Because every project is unique, it is only through the collective experiences of our team that the soundest approaches can be applied to your particular situation.

What does all this mean?

It means you can be more confident in JBT Corporation and our ability to make your facility more productive and run more efficiently





# We're With You...

It's no accident that JBT Corporation is the most successful supplier of AGV systems. Every aspect of how we run a project is designed to produce long term successful operation.

## Developing the Solution

We take the job of "listening" very seriously. After completing a thorough evaluation of the required material movements, application and project teams thoroughly review your requirements and develop the optimum solution. On complex systems, a computer model is built to simulate actual operation.

## Building and Delivering the System

The second step is engineering and fabricating a system that fully meets the project requirements. At JBT Corporation, we integrate your AGV system with other equipment and software. This involves detailed testing of the vehicles and all software. We do this because we know that time spent testing reduces commissioning time down the road. When our vehicles arrive at your facility, all the preparatory work will have already been completed.

Within just a few days of arriving on site, JBT Corporation AGVs are supporting your operations.

## Customer Support

At JBT Corporation, support does not end with delivery and installation. Whether you need occasional support or a more comprehensive customer service parts and maintenance program, JBT Corporation offers worldwide coverage and responsive support

But customer support does not stop there. Every day, we work to develop new and more advanced AGV technology so that we can support you every step of the way - now and in the future.



# ...Every Step of the Way





# How it Works

1 JBT Corporation's AGV systems go to work when a command to move material is generated. This can be initiated manually by an operator using a button/touch screen or automatically by sensors and/or other computer systems (production, scheduling, order entry, etc.).

2 The AGV system host computer (SGV Manager) receives the requests for material movement and assigns each request to the vehicle that can most efficiently complete the task. The SGV Manager tracks vehicle movement and maximizes system efficiency while communicating with interface equipment and software for an integrated solution.

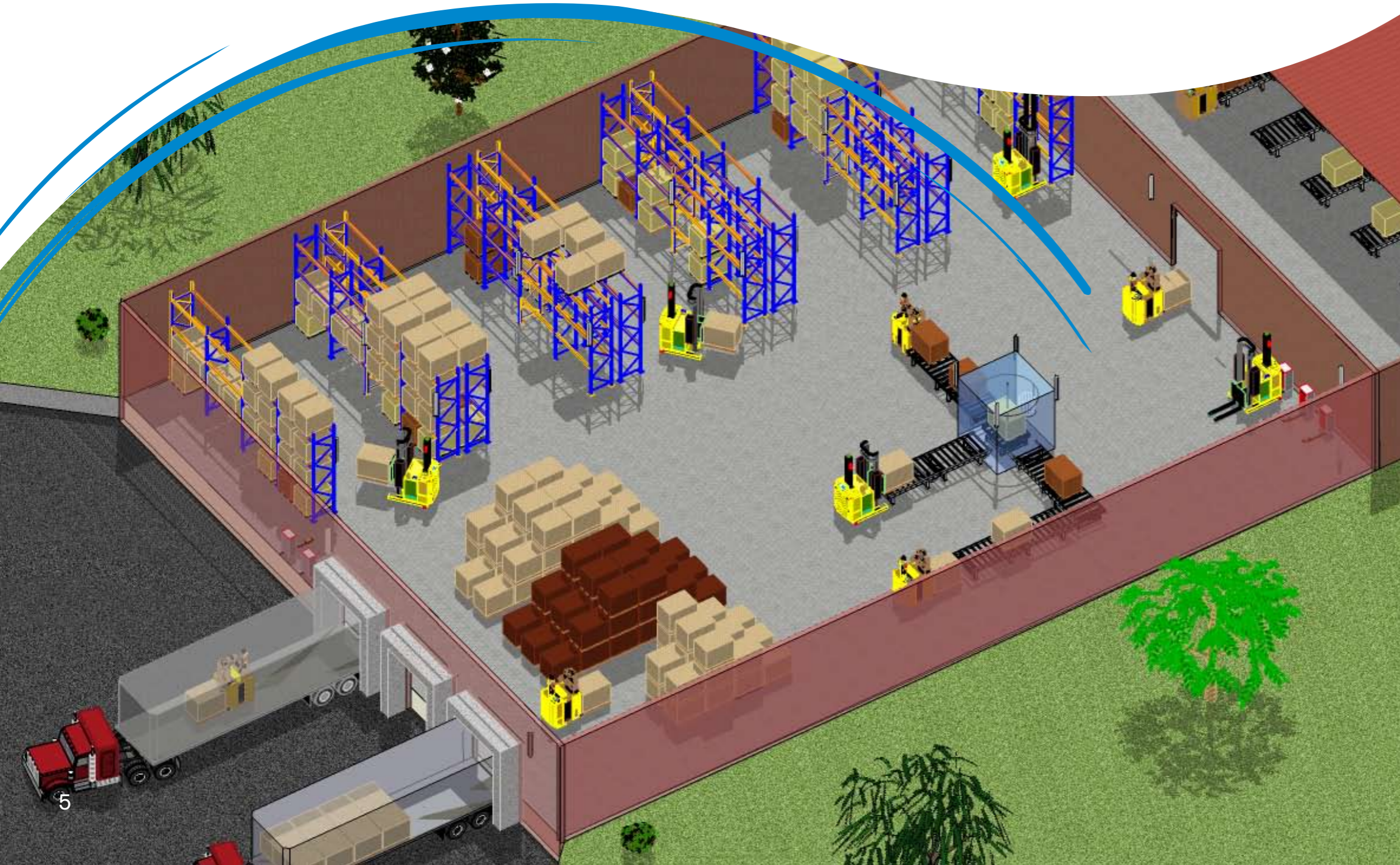
3 Vehicles travel a virtual path using laser guidance to navigate through the facility. Reflective targets give precise feedback for extremely accurate vehicle positioning.

Laser guidance offers the ultimate in flexibility, making system changes quick and easy, with a few simple clicks of the mouse.



## Typical AGV Tasks:

- Delivery of raw material from receiving to warehouse
- Delivery of material from warehouse to production lines
- Movement of product throughout production process
- Movement from the palletizer to the stretch wrapper
- Movement from the stretch wrapper to storage/shipping
- Movement from finished goods warehouse to shipping
- Automatic Trailer Loading







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