

# Automated packaging solutions for the medical device industry

Medical device manufacturers are facing new and complex regulations, coupled with increased demand. To achieve faster production, end-to-end traceability, and improved product quality and consumer safety, they'll need:

- More agile, versatile and flexible machinery.
- Expanded automation and integration.
- The ability to perform shorter batch runs and handle specialized packaging needs.

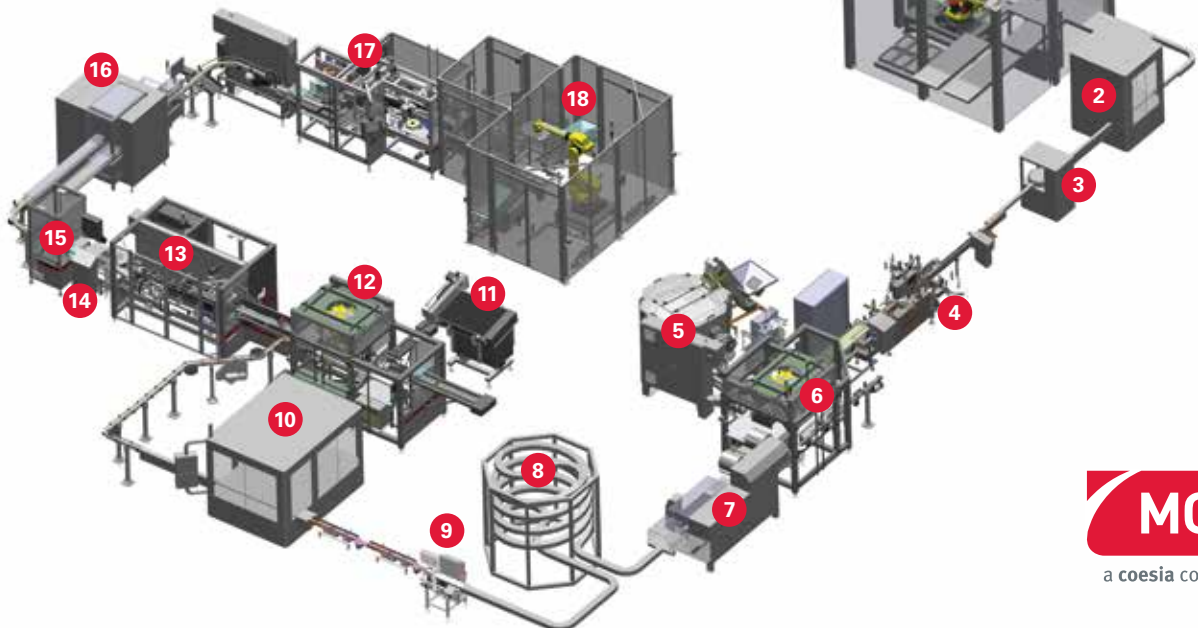
## MGS: Delivering peak performance

To ensure production operates seamlessly, you need a partner with deep industry expertise who specializes in large, complicated projects. As part of Coesia, the largest network of packaging technologies and process solutions in the world, MGS is able to support manufacturers around the globe with their unique packaging challenges.

## Expert integration from a single supplier

Whether you're looking for a stand-alone machine or a large-scale integration, we can accommodate a wide range of unique product and packaging configurations to help you optimize production while minimizing waste. Here's an example of a recent medical device line we designed, built and installed:

1. Depalletizing and tray unloading system (OEM)
2. Spray testing module (OEM)
3. Checkweigher (OEM)
4. Labeling system (OEM)
5. Bulk feeding system (MGS)
6. Custom assembly system (MGS)
7. Overwrapping system (OEM)
8. Pouch accumulation system (OEM)
9. Checkweigher (OEM)
10. Pouch leak detection system (OEM)
11. ECOM (MGS)
12. Product loading system (MGS)
13. Cartoner (MGS)
14. Checkweigher (OEM)
15. Carton serialization system (MGS/OEM)
16. Carton banding system (OEM)
17. Casepacking and aggregation system (MGS)
18. Palletizing and aggregation system (MGS)



## TRUSTED BY TOP MEDICAL DEVICE BRANDS

We've developed solutions for:

- Sutures
- Inhalers
- Stents
- Injectable pens
- Diagnostic kits
- Syringe and vial kits
- Transdermal patches
- Breast augmentation/reconstruction kits
- Vision and contact lens kits



## Scalable innovation to keep your line running efficiently

Want the most economical ways to optimize production, speed, safety and quality? We've developed the following tools and technologies to help operators find and fix faults quickly, increasing your uptime and OEE:

### PLANT LEVEL:

- **Human fleet interface (HFI):** Reports aggregated system performance data, batch progress information and real-time equipment status.

### LINE LEVEL:

- **Central Line Control System:** Sends data to the HFI and controls all machine functions, recipe handling and production data/faults.
- **Marquee monitors:** Display machine status and faults for operators to see wherever they are on the line.

### MACHINE LEVEL:

- **Illumaguard® alert system:** Lights up a specific machine door panel to alert operators to fault location.
- **One-touch troubleshooting:** Helps operators easily troubleshoot issues via an interactive human machine interface (HMI) screen.
- **Remote troubleshooting:** Contains a mobile, fully functioning HMI that operators can take with them to resolve issues anywhere on the machine.



## Reliable operation from start to finish

Our people make all the difference. Throughout your project, our certified project managers serve as a single point of contact. Once commissioning is complete, you'll have access to on-site technicians who can help reduce ramp-up time and speed time to market. If needed, we can use remote-access technology to get you back up and running quickly. And, you'll always have 24/7 support through our worldwide network of Coesia companies.

### MGS

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We support all OEM equipment on your line, putting together an entire line for you — and taking responsibility for it all. You can be confident that we've tested our machines in every scenario before your scheduled FAT, providing validation-ready documentation to help you meet protocols.

## RUN YOUR LINE TO ITS FULL POTENTIAL WITH MGS

Bring us your toughest challenges. We'll partner with you to deliver a comprehensive packaging solution that minimizes your risk and gets you to full production efficiency fast.

Visit [www.mgsmachine.com](http://www.mgsmachine.com), email [info@mgsmachine.com](mailto:info@mgsmachine.com) or call **(763) 425-8808** to learn more.

