

# Modular Automation for Assembling Home Appliances

Reduce cost per unit produced by quickly automating error-prone repetitive assembly and inspection tasks on your home appliances assembly line. Bright Machines Microfactories leverage pre-built, production-ready hardware building blocks which can be easily programmed and operated using pre-integrated software.

## Bright Machines Microfactory



Configured with Brightware™

### Benefits of using a Microfactory

- Produce more units per hour
- Reduce cost per unit
- Improve product quality

### Skills that are factory-ready



Screwdriving



Pick and place  
part assembly



Heat sink  
insertion



DIMM card  
insertion



Bar code  
scanning



Labeling



Soldering



Dispensing



Inline testing

### Ideal for product assembly and inspection of home appliances



Dishwasher



Oven



Refrigerator



Microwave



Coffee  
maker



Mixer



Washing  
machine



Vacuum  
cleaner



Other home  
appliances

## Example: Coffee maker subassembly

Coffee makers contain shower heads to spray water over the ground beans. The assembly of the shower head involves the proper alignment and screwing together of two components. Five human operators doing these assembly steps can produce 120 units per hour whereas a Bright Machines Microfactory with three robotic cells can produce 180 units per hour. The product quality is also greatly improved using the automated approach and the cost per unit produced is reduced by 90% when running three shifts.

### Reduce cost per unit produced



## About Bright Machines

Bright Machines was born out of the desire to help manufacturers effortlessly and autonomously build the next generation of smart electronic products. Our global team consists of leading experts in applied science, software, automation, process engineering and factory operations, with deep experience in computer vision, machine learning and adaptive robotics. Together we are re-imagining what manufacturing will be in the future, grounded in the reality that exists on today's factory floors. We're proud to have been recognized by Forbes as one of America's most promising AI companies, by CRN as a top 10 Robotics startup, by IOT Analytics as a top 10 IoT startup, and by World Economic Forum as a Technology Pioneer.

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