

# Modular Automation for Assembling Networking Equipment

Increase capacity with predictable output by quickly automating error-prone repetitive assembly and inspection tasks on your networking equipment 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



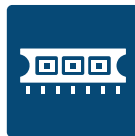
Screwdriving



Pick and place  
part assembly



Heat sink  
insertion



DIMM card  
insertion



Bar code  
scanning



Labeling



Soldering

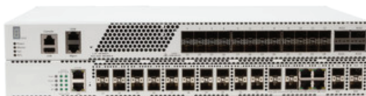


Dispensing



Inline testing

## Ideal for product assembly and inspection of networking equipment



Firewall



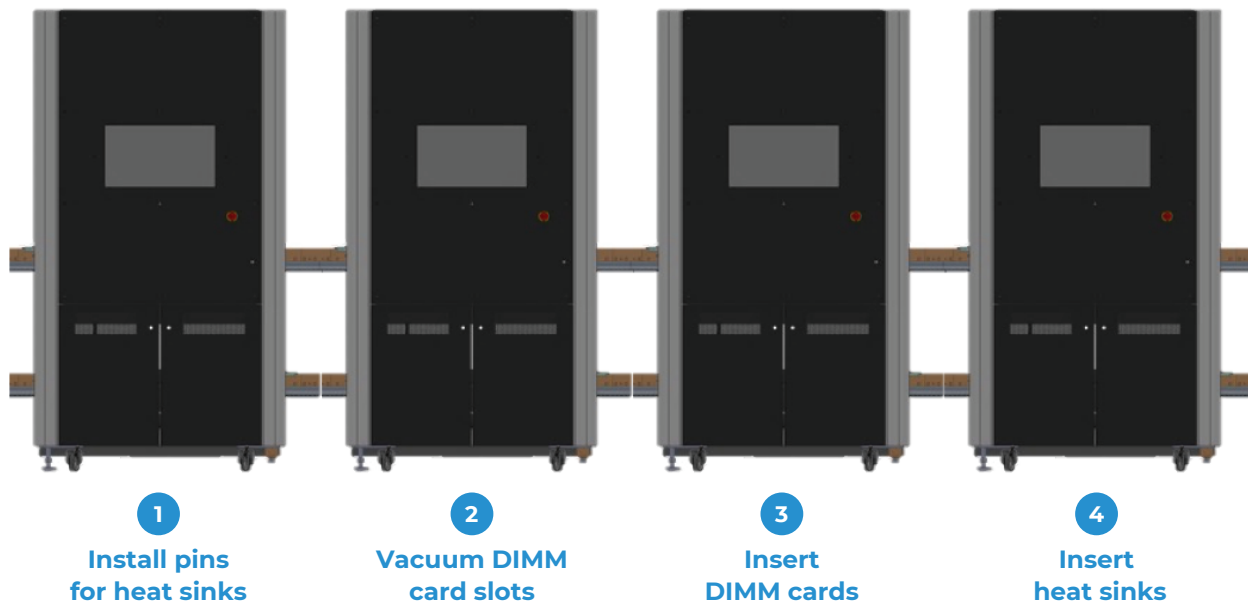
Router



Switch

## Example: Assembly of heat sinks and DIMM

Networking equipment such as firewalls contain heat sinks and DIMM cards which need to be assembled onto circuit boards. The Bright Machines Microfactory has end of arm tools which can be used to cost effectively perform the assembly procedure. For example, one networking equipment manufacturer saw a 69% reduction in the cost per unit when assembling heat sinks and DIMM cards using a four cell microfactory as compared to performing the assembly using human operators.



## 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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