Bright Machines™

Modular Automation for Assembling Building Security System Products

Increase capacity with predictable output by quickly automating error-prone repetitive assembly and inspection tasks on your building security system product 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
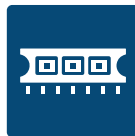- Improve product quality

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 assembly of building security system products

Example: Assembling a building security system control panel

Eight human operators can perform the seven assembly steps and produce 105 units per hour. Using a Bright Machines Microfactory consisting of seven cells, three human operators can produce 180 units per hour. That's a capacity increase of 71%, with five fewer operators needed. The microfactory approach also reduces the cost per unit produced, with a 34% savings when running three shifts. And the computer vision in each of the seven cells can be leveraged to improve the product quality of the control panels manufactured.

Step #	Assembly Description
1	Put label on circuit board
2	Screwdriving back cover
3	Power up test
4	Put battery cover in place
5	Put label on back cover
6	Functional test
7	Put wall mount over bracket

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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