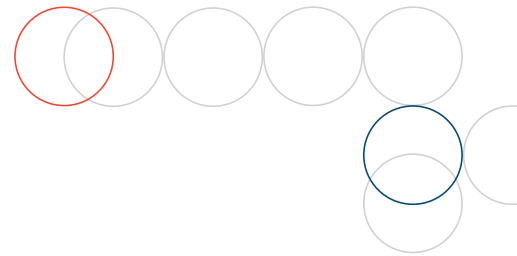# Bright Machines Solutions For Manufacturing Transformation

Full-Scale Digital Manufacturing Platform

Modernize your factory with a full-stack solution that integrates and automates the entire manufacturing process, from design and prototyping to production and inspection. Launch NPI in hours, not weeks. And experience the advantage of using deeply rooted machine and process specific data to improve with every unit produced.

Data-Driven Continuous Improvement

Brightware® Studio
Configure automation and setup data capture

Bright Machines® Microfactory
Collect production data from day one

Brightware Platform Suite
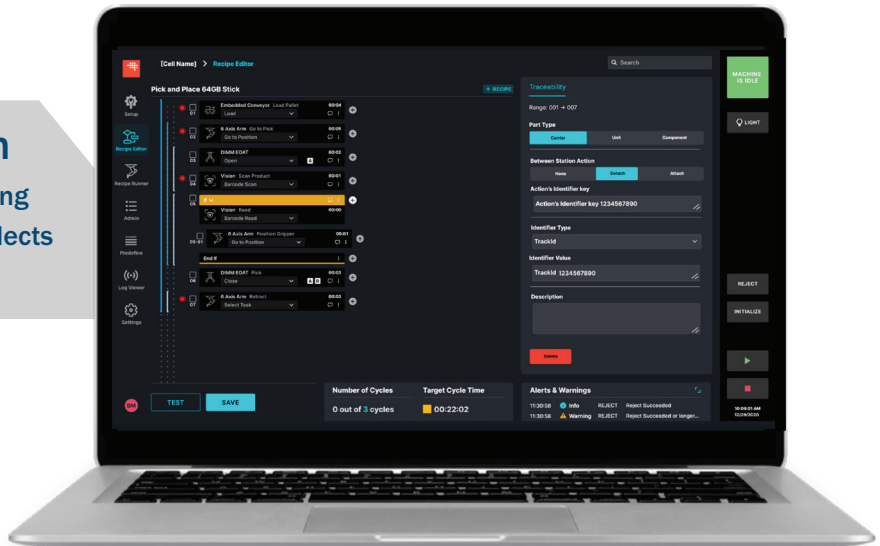Apps to analyze data for actionable insights

Brightware Studio

Automation engineers can easily configure and reconfigure Bright Machines Microfactories using Brightware Studio's intuitive programming environment with pre-integrated Smart Skills to onboard new product introductions (NPI) in just a few hours.

Automated Data Generation

Brightware Studio has built-in data mapping ensuring that the Brightware Platform collects standardized data that is ready to use
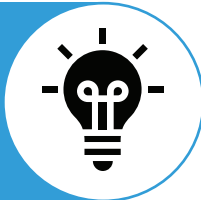

Accelerate Automation

Design, test, and optimize your process for quick go-to-market

Leverage Expertise

Use technology building blocks for smarter integration

Increase Flexibility

Modularity allows for easy changeover, line duplication, and variability

Brightware Studio Product Features

Line Configuration

Recipe Editor

Smart Skills

Product Traceability

Hardware Integration

Hardware Setup

Product Configuration

Logic Extensions

Code Extensions

MES Integration

Recipe Testing

Process Phases

HMI Setup

Bright Machines Microfactory

Using a modular approach, hardware and software building blocks are configured to form microfactory assembly lines which collect standardized production data. Microfactories are a game-changing solution for businesses looking to ramp up production while also having the flexibility to adapt to product variations seamlessly.

Production Data
Collect product, process, and equipment data from day one

Scale Capacity
Add or remove modular hardware to increase or decrease capacity

Increase Yield
Leverage industrial robotics and machine vision for repeatable assembly results

Reduce Cost
Implement assembly lines with more cost-effective staffing requirements

Bright Machines Microfactory Product Features

Factory Skills

Factory Applications

Bright Robotic Cells

Feeding Systems

Conveying Systems

Data Capture

Product Changeover

Standards Compliance

Acceptance Testing

Service Packages

Brightware Platform Suite

The Brightware Platform Suite includes an operating system to orchestrate all hardware and software necessary to execute microfactory recipes as well as generate and store all production data. Cloud and on-prem applications help you optimize operational efficiency and improve product quality.
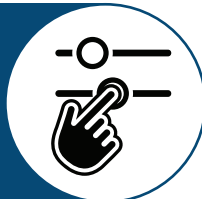
Data Insights

Ability to drill down to analyze OEE losses and product defects

Brightware Platform Suite Product Features

Simplify Operation

Ease of use saves time and enables existing team to manage more lines

Standardize Process

Common operating system and data modeling across lines increase efficiency

Increase Uptime

Built-in monitoring and data access enables faster resolution of issues

Operating System	On-prem

Monitoring App	On-prem or Cloud

Access Management (login, permissions)
Remote Connection
Operational Dashboard (UPH, FPY)
Status (line, station, inventory)
Product History (1 week, no filters)
Notifications (material and line level)

Performance App	Cloud

Configuration (shifts, downtime settings)
Downtime Classification
Line-level OEE
OEE Breakdown
Data Analysis (process specific graphs)
Inspection Results (data and images)

Bright Machines.