Reliable control of thousands of micro-robots for manufacturing macro-scale products in compact, integrated systems.

SRI Robotics is building an alliance of dynamic teams to further the capability and application space of the MicroFactory™ platform. Join our consortium to deploy the MicroFactory™ platform for your parallel manipulation and automation needs. Contact us for more information at microfactory@sri.com.

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MicroFactory™ Platform for Smart Manufacturing

- Low-cost magnets that are propelled electromagnetically
- Base system holds 300 to 400 robots
- Handles a wide variety of solid and liquid materials, including electronic and biological
- Applications:
  - Pick-and-place manufacturing solutions
  - Rapid prototyping of high-quality parts
  - Electronics manufacturing, such as optoelectronics and hybrid circuits
  - Military and space, for building non-silicon-based electronics
  - Biotechnology, such as microfluidics, lab on a chip, and tissue manufacturing
  - A variety of micro-automation applications outside of manufacturing, such as compact diagnostic and inspection equipment, and surface maintenance and anti-fouling devices

Next generation micro-assembly

For parallel manipulation and automation

Reliable, precise control of thousands of robots