



AUTOMATION SYSTEMS
GROUP

Fusion™ Compact Controller

TOOL AUTOMATION



Features

- FireWire® motion network for supporting up to 63 motion or I/O nodes
- Multiple safety zones for easy hardware partitioning and servicing
- Compliance with SEMI S2 and CE requirements
- Integral UPS and RAID hard drive array for data security

Benefits

- Configurability for application-specific packaging and customized tool behavior
- Reduced number of controllers per system
- Safe, efficient tool maintenance through multiple safety zones
- Faster time-to-market

The scalable, configurable Fusion™ Controller, which incorporates Brooks Automation's deep semiconductor domain knowledge, patented motion control expertise, and best-in-class technology, supports optimal packaging alternatives for each tool application.

The Fusion Controls Advantage

As the semiconductor market matures and fabrication processes grow more complex, assembling and integrating solutions from multiple vendors is no longer a viable alternative for manufacturers looking to reduce costs and increase tool reliability. In order to meet escalating performance demands and control costs, users are seeking complete, integrated solutions that solve all their automation needs, while providing open, intuitive interfaces for fast, easy customization and optimization. That's why Brooks Automation's Fusion Controls platform is the automation control solution for today's leading OEM tool manufacturers.

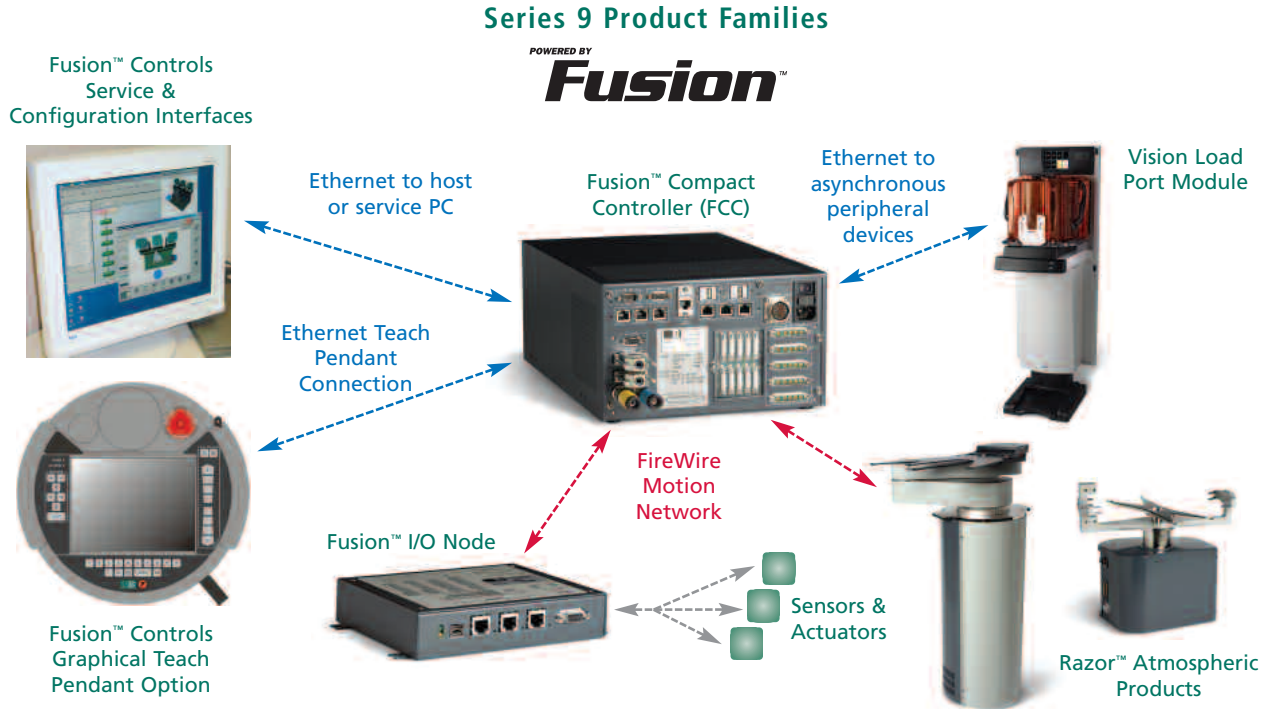
Brooks Automation's innovative Fusion Controls platform is the industry's most flexible and complete automation control solution. Fully customizable and remarkably easy to use, Fusion Controls delivers maximum performance and uptime, while accelerating time to market and tool profitability.

Product Description

Combining Brooks Automation's unmatched industry experience and patented motion control expertise with best-in-class technologies, the Fusion Controller family provides a configurable, scalable controller architecture. A single Fusion controller can manage all system motion control and I/O—regardless of application—in a tightly synchronized and cost-efficient solution.



Fusion™ Compact Controller

Fusion Controller Architecture*Fusion Compact Controller Specifications*

	Fusion Compact Controller (FCC)
Host Communications:	1 Ethernet port (10/100Mb), 1 RS232 port
Input Power Requirements:	120-240VAC ±10%, 50-60Hz, max 10A SEMI F47 Compliant
Output Power:	5 DC Motor Outputs, comprising of 24VDC Logic (100W total), 48VDC Motor (750W total)
Device Network Connections:	3 Ethernet Ports, 3 FireWire Ports
I/O:	Network Scalable – see the Fusion Controls High Performance I/O Node Datasheet and the Razor Robot Datasheet for networked I/O options
Other Connections:	• Teach Pendant • E-STOP & Interlocks • Service Port • Additional Zones of Safety & Power • USB
Dimensions:	297mm x 162mm x 400mm (11"x6.36"x15.75")
Weight:	15kg (33.5lbs)
Operating Temperature:	10°C to 35°C
Storage Temperature:	5°C to 50°C

*For more information, please contact your local Brooks Automation sales representative
or visit www.brooks.com.*

