

# FLEX2

Developed to feed one or two Brother SPEEDIO models: S Series and M Series

*The Automation System  
that Increases Productivity  
and Profitability for  
Brother SPEEDIO Customers*



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The **FLEX2** automation cell, developed by Yamazen, provides Brother customers the advantage of increasing their productivity and profitability by implementing automation capability to the Brother SPEEDIO Compact Machining Center models in the **S Series** and **M Series**<sup>1</sup>. This robotic system directly interfaces with the Brother models, and it can feed one or two of these models at a time. With its compact design, it takes up minimal floor space while maximizing consistent throughput for low-volume, heavy-mix work or high-volume, low-mix work.

## FLEX2 Was Developed to Increase Productivity and Profits for Brother SPEEDIO Customers

### Quality

The FLEX2's steel frame construction has built-in safety systems, with a single source design and build.

### User Friendly

The user friendly Vision System is icon driven which makes it easy to teach in new parts. The FLEX2 comes standard with mounted monitor and mouse tray. This helps the operator to see the view from the camera and make changes easily. Nachi Smart Teach Pendant has function to enable easy programming. Standard documentation for simplified instructions is provided.

### Flexibility

FLEX2 provides the flexibility to tend to one or two Brother SPEEDIO machining centers at a time. The automation system also allows for easy to add options such as: part marking, inspection, regrip, deburring or a reject chute.

### Construction

Construction of the FLEX2 consists of the Nachi 6 axis industrial robot, the MZ12, that has a maximum reach of 1454mm/57" and a payload of 12kg/26.4lbs. This powerful, compact, high-speed and precise design includes many standard features such as: through-arm cabling and air piping with an air blow feature.

The heavy-duty black belt conveyor has an inbound work area of 18"x 78" (standard part height 4.5" / optional 9.5")<sup>2</sup> and an outbound work area of 18" x 98" (standard part height 4.5" / optional 9.5")<sup>2</sup> with a weight capacity of 325 lbs.

End of arm tooling (EOAT) can be either a single or dual gripper. Yamazen automation group will review customer parts needs to engineer the correct gripper design for your specific application.

[Learn More About FLEX2 at yamazen.com](http://www.yamazen.com)

 **YAMAZEN**

[www.yamazen.com](http://www.yamazen.com)

(800) 882.8558 or (847) 882.8800

Parts (877) 619.7278 ■ Tooling (800) 228.2969

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Atlanta ■ Chicago ■ Cincinnati ■ Cleveland ■ Dallas  
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<sup>1</sup> FLEX2 works with most M and S SPEEDIO models. <sup>2</sup> Optional height adjustments available. Please consult your local Yamazen representative.

