



TOYODA

BRIDGE

VME

VERTICAL MACHINING CENTER

**Basic Bridge Mill Training Class
For Toyoda Customers**



2018 SCHEDULE DATES

Course Code: BRIDGE2018-1

June 18 - 22

Course Code: BRIDGE2018-2

November 26 - 30

For additional questions, call (800) 257-2985 or email training@toyoda.com

JTEKT

Koyo **TOYODA**

JTEKT Toyoda Americas Corporation | 316 W. University Drive | Arlington Heights, IL 60004
Corporate Phone: (847) 253-0340 | Service & Technical Support Phone: 1-800-257-2985
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BRIDGE MACHINING CENTER

2018 BRIDGE MILL TRAINING CLASS FOR TOYODA DISTRIBUTORS

JUNE 18 - 22 | NOVEMBER 26 - 30



Basic Bridge Mill Training Outline

- Who:** Authorized Toyoda Vertical Machining Center Distributors
- What:** Bridge Mill Maintenance Training Class
- Where:** JTEKT TOYODA AMERICAS CORPORATION
316 W. University Drive
Arlington Heights, IL 60004
- When:** **Monday through Friday**
To accommodate for travel, class times will be as followed:
Monday: 1 p.m. to 4:30 p.m.
Tuesday, Wednesday, & Thursday: 8:30 a.m. to 4:30 p.m.
Friday: 8:30 a.m. to noon
- Class Size:** **Maximum of six (6) students.**
Additional requests will be encouraged to attend a subsequent training session.
- Cost:** This class is free of charge.
Distributors are responsible for all applicable travel and living expenses.
Note: Toyoda has discounted rates at local hotels.

[Click Here
To Register](#)

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Please have the class code available when registering.



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Basic Bridge Mill Training Outline

Monday

Introductions and Tour

- Training course overview
- Toyoda Support department overview
- Meet service staff and parts department
- Facility tour

Product Line

- Product line information
- Powerpoint presentation
- Training USB overview (additions to the product)
- Point of contact
- Dealer responsibilities

Tuesday

Installation Training Bridge Mill

- Machine component installation (classroom)
- Rigging equipment
- Installation troubleshooting awareness
- Pre-installation requirements

Foundation

- Specifications (classroom)
- Leveling and anchors

Geometric Alignment

- Geometry checks (classroom)
- Bridge squareness

Device Installation and Testing

- Start-up faults and checks
- Z-axis home position
- Spindle chiller
- Coolant system
- Hydraulic System

Magazine and Vertical ATC Alignment

- I/O bypass
- Leveling
- ATC squareness
- Magazine controller function
- 2nd reference setting

Wednesday

M Spec Installation

- Drawings and procedures (classroom and tech center)
- Initial set-up and rigging
- Macros and M codes
- Operation
- Home position setting
- Geometry checks

Magazine and Horizontal ATC Alignment

- Magazine function (classroom and tech center)
- Tool table function
- Orientation checking
- I/O bypass
- 4th reference setting

M Spec Troubleshooting

- M code operation
- Manual functions
- Keep relays and data tables
- Home resetting
- Orientation troubleshooting

Thursday

Bridge Mill M Spec Overview

- Design
- Overview of M spec functions (tech center)
- Operations and programming

M Spec Spindle Removal

- Tools
- Machine bypass
- Procedures and drawings

Designs and Procedures

- Drawbar designs
- Unclamp cylinder
- Encoders and scales
- Rotary union brackets

Spindle Overview

- Spindle drawings
- Spindle room visit
- Spindle inspection reports
- Spindle geometry checks

Bridge Mill Overview

- Question and Answer
- Customer open issues

Friday

Warranty Parts Request

- Forms
- Contacts
- Procedures

Bridge Mill Certification Presentation

- Question and Answer

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