



**TOYODA**

**C-FRAME**

**VMC**

**VERTICAL MACHINING CENTER**

Basic VMC Maintenance Training Class  
For Toyoda Customers



## 2019 SCHEDULE DATES

Course Code: VMC2019-5

**March 18 - 21**

Course Code: VMC2019-6

**September 30 - October 3**

For additional questions, call (800) 257-2985 or email [training@toyoda.com](mailto: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  
Stay connected at [www.toyoda.com](http://www.toyoda.com)

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# VERTICAL MACHINING CENTER

## 2019 Maintenance Training Class For Toyoda Customers

### March 18 - 21 | September 30 - October 3



### Basic VMC Maintenance Training Outline

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- Who:** End user, Maintenance Personnel
- What:** Vertical Machining Center C-Frame Maintenance Training Class
- Where:** JTEKT Toyoda Americas Corporation  
316 W. University Drive  
Arlington Heights, IL 60004
- When:** Monday through Thursday  
To accommodate for travel, class times will be as followed:  
Monday: 1 p.m. to 4:30 p.m.  
Tuesday & Wednesday: 8:30 a.m. to 4:30 p.m.  
Thursday: 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:** Details provided upon request.  
Note: Toyoda has discounted rates at local hotels.

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### Basic VMC Training Outline

#### Monday (P.M.)

##### Introductions and Tour

- Introductions - Service and Parts Staff
- Facility tour

##### Product Line

- Product Line Information
- Powerpoint Presentation
- Training USB overview (additions to the product)
- Point of Contact
- Dealer Responsibilities

#### Tuesday (A.M.)

##### Installation Training C-Frame

- Installation Presentation (classroom)
- Machine Leveling (tech center)
- Geometric Alignment
- ATC Alignment

##### Clamping System

- Designs
- Troubleshooting
- Maintenance and Installation

##### Coolant Systems C-Frame

- M Functions (classroom)
- Timer Settings
- 1000 PSI upgrades
- Rotary Unions

#### Tuesday (P.M.)

##### Troubleshooting

- E-stop string (tech center)
- Door Interlock
- Coolant System
- Ladder

##### Bridge Mill Overview

- Models and Designs (classroom)
- Installation
- Leveling and Geometry
- Magazine and ATC alignment
- Coolant system
- M Spec Overview
- M Spec Troubleshooting

#### Wednesday (A.M.)

##### Applications

- Parameters, M Codes and Keep Relays (classroom)
- Control Types (0i MD, 31i MB)
- General Programming
- Machine Operation (Stealth & FV Series)
- Wele Functions
- Tool Table Setup
- Tool Life Management
- Option Overview

#### Wednesday (P.M.)

##### Fanuc Overview

- Design
- Manual Overview (Training Center)
- Control Overview
- Troubleshooting

##### Preventative Maintenance & Service Procedures

- PM schedule
- Service and Installation Procedures
- Spindle Inspection (Tech Center)

#### Thursday (A.M.)

##### Parts Ordering and Installation Procedures

- Warranty Parts
- Non Warranty Parts
- Fanuc Warranty Info and Procedure
- Detailed Reports and Requests

##### Certificate Presentation

- Question and Answer

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