



TOYODA

C-FRAME

VMC

VERTICAL MACHINING CENTER

**Basic VMC Maintenance Training Class
For Toyoda Customers**



2017 SCHEDULE DATES

Course Code: VMC2017-7

October 2 - 5

Course Code: VMC2017-8

Nov 27 - 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
Stay connected at www.toyoda.com

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VERTICAL MACHINING CENTER

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2017 Maintenance Training Class

For Toyoda Customers

October 2 - 5, November 27 - 30



Basic VMC Maintenance Training Outline

- 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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