



FH-J

HORIZONTAL MACHINING CENTER

Installation Training Class **For Toyota Distributors**

For FH400J and FH500J Series



2018 SCHEDULE DATES

Course Code: FHJ2018-1

April 23 - 26

Course Code: FHJ2018-2

July 16 - 19

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



JTEKT Toyota 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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April 23 - 26, July 16 - 19

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Basic FH-J HMC Installation Training Outline

Who: Authorized Toyoda Vertical Machining Center Distributors

What: FH-J Horizontal Machining Center Installation 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 & Thursday: 8:30 a.m. to 4:30 p.m.

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.

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Training Schedule

Monday (p.m.)

Introductions and Tour

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

Product Line

- Product line information
- Training USB overview (additions to the product)
- Review machine options (special CTS, probing, etc.)
- Toyoda support point of contact
- Dealer responsibilities

Tuesday

FH-J Series Installation Training

- Pre-installation requirements
- Troubleshooting awareness
- Machine component

Device Checks

- Start up faults & checks
- Spindle chiller
- Coolant system
- Hydraulic system
- Pneumatic system
- Lubrication systems

Geometric Alignment

- Geometry checks
- Setting machine zero positions

Magazine & ATC Alignment

- Leveling
- ATC Squareness & alignments
- 2nd reference setting

Wednesday

Review of Electrical Prints

- How to read electrical prints
- How to use ladder to troubleshoot machining center

Review of Machining Center Maintenance Manual

- Show recommended checks
- Look at spare parts list

How to Back Up Machining Center

- TDD Explanation and Password Requests
- Backing up machine before and after install
- Prep files, email to Toyoda Machinery USA and load Fanuc options

Review of Machine Safety Systems

- Fanuc DCS safety system

M code operation

Manual function

Error recovery

Thursday

ATC (Automatic Tool Changer)

- Tool changer recovery
- Review types of arms / magazine pockets and spindle types
- Alignment on machining center

APC (Automatic Pallet Changer)

- Pallet changer recovery
- PC inspections (pallet changer)

Spindle Overview

- Spindle inspection reports
- Spindle geometry checks
- Spindle room visit
- Drawbar designs
- Clamping cylinder setup

Warranty Parts Request

- Forms
- Contacts
- Procedures
- M.A.R.

Transfer Detection Device (TDD) Training & Testing

- Presentation/Examination
- Letter of Assurance

Service Tech Requests

- Procedures

HMC Training Certification Presentation

- Question and answer

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