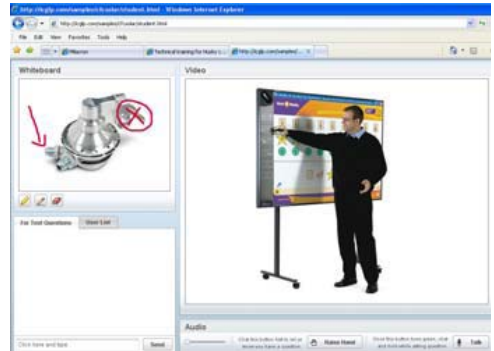


Live Internet Based Training **Information and 1st quarter 2010 Schedule**

Milacron's Plastics Technologies Group is pleased to offer its customers live Internet based training! Our newest training option specifically addresses the challenges our customers face in today's marketplace; budget and time constraints. Now you can get live training from our experts in short durations and at economical prices!

What: Courses are specific to the Plastics Industry and in particular specific to Milacron equipment such as the Powerline and Maxima series. Some of the initial classes available include electrical and/or hydraulic specifics, understanding bar charts, lubrication, plus electrical and hydraulic print reading. These initial courses address the most common needs of maintenance personnel and the topics are applicable across different Milacron lines. Brief course descriptions on these initial offerings are listed further below.



Who: Classes are geared to Milacron customers. Open-enrollment courses are available to all Milacron customers but customers can also arrange for private courses so only their personnel are in the sessions.

How: Your company personnel can take these classes from any location worldwide with ease and convenience. Access to the training courses will be via the Internet using a web browser such as Microsoft Explorer. No special software is needed and no special set up is required. Once logged in students will be able to see the instructor and the training studio and they will be able to interact with the instructor and the instructor's presentation. Any course material that is required for the class can be downloaded and available ahead of time. Audio interaction is available via the Internet using Voice Over IP technology (VOIP) or via phone. Specific directions for accessing the course will be available upon signup

When: The March 2010 schedule is listed below. In the months ahead complete beginning and advanced courses on specific machines such as Roboshot, Magna, Maxima, Powerline and the older Vista will be added to the class offerings.

Schedule of Live Online Courses First Quarter 2010

Course #	Title	Date	Time (EST)
IM-101	Bar/Sequence Charts for Hydraulic Machines	Mar 1	8am – 10am
"	"	Mar 4	4pm – 6pm
IM-103	Basic Electrical Print Reading for Milacron Hydraulic Injection Molding Machines	Mar 2	8am – 10am
"	"	Mar 5	1pm – 3pm
IM-105	Electrical Print Reading for Powerline Machines Part 1 & 2	Mar 1	1pm – 3pm
IM-107	Electrical Print Reading for Powerline Machines Part 3 & 4	Mar 2	1pm – 3pm
IM-109	Hydraulic Circuits on Maxima and Milacron Machines Part 1 & 2	Mar 3	1pm – 3pm
IM-111	Hydraulic Circuits on Maxima and Milacron Machines Part 3 & 4	Mar 4	1pm – 3pm
IM-113	Preventive Maintenance on Powerline Lube Systems	Mar 1	11am – 12pm
IM-114	Preventive Maintenance on Roboshot Lube Systems	Mar 3	11am – 12pm
SCP-101	Hydraulic Symbols and Print Reading on Injection Molding Machines	Mar 1	4pm – 6pm
"	"	Mar 3	8am – 10am
SCP-103	Basic Electrical Print Reading for Hydraulic and Electrical Injection Molding Machines	Mar 3	4pm – 6pm
"	"	Mar 5	8am – 10am

Pricing: The cost for each 1-hr session is \$75. For this price an ID is assigned and sent to an individual to be used on a single PC and single toll free access phone line. You can have more than one student sit at a single PC at no additional cost. If two people are from the same company and wanted to sit in on the class but they were in different locations the price would be \$75 for each since they would be on separate PC's and thus require a separate ID and a separate phone line.

Toll free phone access will be available within the continental United States. Outside of the U.S., Voice Over IP is available at no charge.

Registration: To register for any of these classes please contact Milacron customer training administration at 513-536-2265 or email us at training@milacron.com.

Course Descriptions

IM-101: Bar/Sequence Charts for Hydraulic Machines

This course will cover reading and interpreting bar/sequence charts associated with Milacron hydraulic injection molding machines.

Prerequisites: None

Learning Objectives:

Read bar/sequence chart

Identify the Factory Set Points (FSP), Set Point (SP) and legend items

Identify all other basic chart symbols including A-numbers

Recognize interaction between operator screens and bar charts

Define machine states

Identify energized valves for various machine states

IM-103: Basic Electrical Print Reading for Milacron Injection Molding Machines

This course will cover the basic knowledge needed to read the electrical prints of Milacron hydraulic injection molding machines.

Prerequisites: None

Learning Objectives:

Identify basic electrical symbols

Discuss mapping (moving from one electrical circuit page to another)

Discuss incoming power and step down transformers

Follow inputs and outputs to and from proportional valves

Identify fuses and what they control

Identify power supplies, wire numbers, open/close contacts, A-numbers

Discuss block identification, plug wiring and transducer wiring

Discuss troubleshooting basics

IM-105: Electrical Print Reading for Powerline Machines (Part 1 & 2)

This course covers the knowledge needed to work with the electrical prints from the Milacron Powerline series.

Prerequisites: None

Learning Objectives:

Identify all symbols found on Powerline electrical prints

Trace outputs from power source

Discuss incoming power, step down transformers

Discuss and perform mapping

Discuss troubleshooting techniques

IM-107: Electrical Print Reading for Powerline Machines (Part 3 & 4)

Continuation of IM-105

IM-109: Hydraulic Circuits on Maxima and other Milacron Machines (Part 1 & 2)

This course covers the knowledge needed to work with the hydraulic prints from Milacron's Maxima and other hydraulic machines.

Prerequisites: None

Learning Objectives:

- Identify hydraulic symbols found on prints
- Discuss in detail the hydraulic prints
- Explain the different hydraulic machines states
- Trace flow from pumps to cylinders and back to tank
- Show where to check pressures and install gages
- Describe function of all valves
- Discuss troubleshooting techniques

IM-111: Hydraulic Circuits on Maxima and other Milacron Machines (Part 3 & 4)

Continuation of IM-109

IM-113: Preventive Maintenance on Powerline Lube Systems

This one hour course covers the workings of the lube system on the Powerline series.

Prerequisites: None

Learning Objectives:

- Identify the points of lubrication
- State approved lubricants
- Describe mechanics of lube system

IM-114: Preventive Maintenance on Roboshot Lube Systems

This one hour course covers the workings of the lube system on the Roboshot series.

Prerequisites: None

Learning Objectives:

- Identify the points of lubrication
- State approved lubricants
- Describe mechanics of lube system

SCP-101: Hydraulic Symbols and Print Reading on Injection Molding Machines

This course discusses hydraulic symbols and prints from a generic viewpoint (not manufacturer specific).

Prerequisites: None

Learning Objectives:

- Identify hydraulic symbols for pumps, motors, flow controls, pressure and directional controls
- Identify lines and other symbols found on hydraulic prints
- Explain hydraulic machines state color standards
- Discuss ISO standards

SCP-103: Basic Electrical Print Reading for Hydraulic and Electrical Injection Molding Machines

This course discusses basic electrical print reading from a generic viewpoint (not manufacturer specific).

Prerequisites: None

Learning Objectives:

- Identify basic electrical symbols
- Discuss mapping (moving from one electrical circuit page to another)
- Discuss incoming power and step down transformers
- Follow inputs and outputs to and from proportional valves
- Identify fuses and what they control
- Identify power supplies, wire numbers, open/close contacts, A-numbers, circuit breakers
- Discuss block identification, plug wiring and transducer wiring
- Discuss troubleshooting basics