



## Customized Basic Training: MTS Core Training

Customized and basic at the same time? Yes, and it is not a contradiction. It is not only possible, but very desirable. *MTS* has been doing it for over 40 years. We call it Core Training and it is described in this Fact Sheet.

**1. What Is It?** *MTS* Core Training is a program designed to cover the Equipment and Language of the plant. For that reason the program is also known as *Equal*.

**2. What Is It For?** The program provides a solid foundation for the specific plant training program. It addresses the operation of the recurring equipment of the plant.

**3. What Does It Consist Of?** The *Equal* Core Training Program is made up of a series of modules. These modules are selected to fit the type of equipment in the plant. See the list of modules available from *MTS*, on the right hand column of this fact sheet. Each module is documented in a workbook, which follows the same pattern as the workbooks we recommend for plant-specific training. Thus, the Core Training also becomes a learning model for the upcoming specific training. *MTS* provides the modules either printed on a per copy basis, or in an electronic format under license to print the specified number of copies.

**4. How Does It Work?** Using *MTS* time-tested functional and inductive training methods the training is conducted, preferably at the site where the trainees work. This allows for the hands-on portion of the training to be done on the same equipment they are going to be responsible for. This is another dimension of the customization. The program can be facilitated by *MTS* instructors and/or by the plant instructors trained and certified by (see separate Fact Sheet for *MTS* Training Industrial Instructors).

### Core Training Modules From The *MTS* Library

#### Rotating Equipment

- MO1 Centrifugal Pumps
- MO2 Reciprocating PD Pumps
- MO3 Belt Conveyors
- MO4 Screw Conveyors
- MO5 Centrifugal Compressors
- MO6 Reciprocating Compressors
- MO7 Steam Turbines
- MO8 Tubular (Progressive Cavity) Pumps
- MO10 Fans & Blowers
- MO23 Rotary PD Pumps
- MO32 Centrifuges
- MO35 Vapor Compression Refrigeration
- MO49 Agitating Tanks
- MO90 Air Driven Diaphragm Pumps

#### Process Equipment

- PO8 Tube & Shell Heat Exchangers
- PO8S1 Plate & Frame Heat Exchangers
- PO10 Steam Reboilers
- PO11 Air Dryers
- PO12 Cooling Towers
- PO13 Fin/Fan Coolers
- PO14 Fired Heaters
- PO15 Steam Jets
- PO16 Separators
- PO17 Liquid Filters
- PO20 Bottoms-Overhead Fractionators
- PO21 Vacuum Fractionators
- PO22 Strippers
- PO23 Absorbers
- PO24 Valves
- PO26 Boilers
- PO27 Steam Condensate Systems
- PO30 Multidraw Fractionators

#### Control Equipment

- CO3 Metering Pumps
- CO4 Motor Control Centers
- CO14 Process Control
- CO15 Flow Control
- CO16 Pressure Control
- CO17 Level Control
- CO18 Temperature Control
- CO19 Cascade Control
- CO28 Fluid Flow Systems
- CO29 Electric Motors
- CO31 Ratio Control

#### Tasks

- WO10 Troubleshooting Operations
- WO25 Sampling
- WO35 Nitrogen Purging, Testing & Blanketing