Okuma
Multus Advance Mechanical Class

Course Code : MA-127
Prerequisite : Experience on Okuma Machines
Credits :3.5 CEU's
Course length : 4.5 days
Class Size : 4 persons

COURSE OBJECTIVES - This course is designed for the Service person who has had experience on Okuma lathes or for those who have realigned the turret on a Multus Machine. Although one week is too short to become completely familiar with the machine, we feel enough material can be covered to enable the student to reach these four main goals.

1. LEARN to analyze the problem and know what needs to be aligned. Learn how to realign the machine.

2. DIAGNOSE problems using your own experience, the manuals provided with this course, your machine, and the machine's own self-checking capabilities.

3. DISCUSS problems and solutions by phone first with your distributor's service staff or after you have exhausted that source, then with OKUMA.

4. PERFORM simple repairs that can save expensive service calls and downtime.

Course emphasis is a blend of classroom instructional theory, time spent on the machine tool, and individually displayed skills.

Both actual demonstration and an exam measure comprehension of the topics.

COURSE REGISTRATION - please contact *Von Robertson* at (803-981-7000) the Institute for Manufacturing Productivity to obtain program availability dates, or check our web-site **http://imp.okuma.com**

MECHANICAL MAINTENANCE
MA-127 Multus Advance Training Class
COURSE OUTLINE

MONDAY

1. Introduction and Formalities
2. Class Goals and Course Outline
3. Documentation Overview
4. Safety Precautions
5. Classroom discussion Installation
6. Classroom discussion Leveling
7. Classroom discussion Spindle Alignments
8. Classroom discussion X & Y Axis Alignment
9. Lunch
10. Hands on Leveling, Operation

TUESDAY

1. Hands on Main Spindle Alignment
2. Hands on Main X & Y Axis Alignment
3. Lunch
4. Hands on Sub-Spindle
5. Lunch
6. Hands on Sub-Spindle

WEDNESDAY

1. Classroom discussion Turret Alignment
2. Classroom discussion Turret Rebuild
3. Classroom discussion Turret Spindle
4. Lunch
5. Hands on Turret Alignment
6. Hands on Turret Spindle
7. Hands on Turret Rebuild

THURSDAY

1. Hands on Turret Rebuild
2. Classroom discussion ATC
3. Classroom discussion Crash Checks
4. Classroom discussion Final Adjustments
5. Lunch
6. Hands on Crash Checks
7. Hands on Final Adjustments

FRIDAY

Finish Alignments and discussions of completed course

Finished by Noon