

Okuma

MacTurn Alignments Class

for

MacTurn 250/350 Machines

Course Code : MA-123

Prerequisite : None

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 uppers saddle on a MacTurn 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 website <http://imp.okuma.com>

MECHANICAL MAINTENANCE

MA-123 MacTurn Alignment Class

MacTurn 250/350 Machines

COURSE OUTLINE

MONDAY

1. Introduction and Formalities
2. Class Goals and Course Outline
3. Documentation Overview
4. Safety Precautions
5. Classroom discussion Alignment Checks
6. Classroom discussion Alignment Procedure
7. Lunch
8. Hands on checking the Alignments

TUESDAY

1. Hands on Leveling
2. Hands on aligning the Upper Saddle
3. Lunch
4. Hands on aligning the Upper Turret

WEDNESDAY

1. Hands on setting the H1 Turret offsets
2. Lunch
3. Hands on aligning the Sub-Spindle

THURSDAY

1. Hands on aligning the Main Spindle to the Sub-Spindle
2. Lunch
3. Hands on setting Zero Offset
4. Hands on setting the Turning position and ATC Alignments

FRIDAY

Finish Alignments and discussions of completed course

Finished by 11am

