

Okuma

Mechanical Training Class

for

LB-EX Series Machines

Course Code : MA-103

Prerequisite : None

Credits :3.5 CEU's

Course length : 4.5 days

Class Size : 6 persons

COURSE OBJECTIVES - This course is designed for the Maintenance/Service person who has had some exposure to Okuma lathes. 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** how to disassemble and reassemble the Milling turret. Complete the 9 critical alignments and checks that goes along with the Turret reassembly.
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-103 Mechanical Training Class
LB-EX Series Lathe
COURSE OUTLINE

MONDAY

1. Introduction and Formalities
2. Class Goals and Course Outline
3. Documentation Overview
4. Safety Precautions
5. Machine Installation
 Oil Requirements
6. Power Requirements
7. Machine Leveling
8. Lunch
9. Hands on

TUESDAY

1. Spindle Assembly
2. Hands On Spindle Removal
3. Lunch
4. Hands On Continue

WEDNESDAY

1. Finish Spindles
2. Turret
 Operation
 Alignments
 Adjustments
 Problems
2. Lunch
3. Hands On
 Turret Disassembly & Assembly
 Alignments

THURSDAY

1. Turret Alignments Continued
2. Ball Screw Alignments
3. Lunch
4. Headstock Alignments
5. Tailstocks

FRIDAY

1. Preventative Maintenance

