

Okuma

Mechanical Maintenance Class

for

Lathe Spindle Rebuild

Course Code : MA-102

Prerequisite : None

Credits : 0

Course length : 4.5 days

Class Size : 6 persons

COURSE OBJECTIVES - This course is designed for the Service person who has an extensive mechanical background and has experience working on Okuma lathes.

1. **LEARN** how to disassemble a headstock, set bearing pre-load, reassembling headstock, indicating it in, and running in spindle bearings.
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** a spindle rebuild 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 102 LATHE COURSE OUTLINE

MONDAY

- Introduction and Formalities
- Class Goals and Course Outline
- Documentation Overview
- Lunch
- Spindle Trouble Shooting
- LC-30, Cadet, and LR-15 Spindle Disassembly

TUESDAY

- LC-30, Cadet, and LR-15 Spindle Disassembly Continued
- Lunch
- Spindle Reassembly

WEDNESDAY

- LC-30, Cadet, and LR-15 Spindle Disassembly rotate to a different unit
- Lunch
- Disassembly Continued

THURSDAY

- LC-30, Cadet, and LR-15 Spindle Reassembly.
- Reassembly Continued
- LU-15 Spindle Disassembly

FRIDAY

- LU-15 Spindle Reassembly