

## Plastic Mold Repairer - 754.381.010

The following schedule of work experience is intended as a guide. It need not be followed in any particular sequence, and it is understood that some adjustments may be necessary in the hours allotted for the different work experience. In all cases, the apprentice is to receive sufficient experience to become fully competent and use good workmanship in all work processes which are a part of the trade. The apprentice will be fully instructed in safety and OSHA requirements.

1. LATHES (1100 Hours)
  - a. Simple turning on centers
  - b. Shoulder work on centers
  - c. Turning to micrometer measurement on centers
  - d. Setting up for chuck work
  - e. Drilling, reaming, tapping and cutting off in chuck
  - f. Chuck and faceplate boring
  - g. Internal and external threading
  - h. Taper work
  - i. Lubricating
  - j. Safety
2. MILLING MACHINES (500 Hours)
  - a. Plain milling, vise work
  - b. Plain milling, table work
  - c. Angle Milling
  - d. Drilling and jig boring to micrometer dimensions
  - e. Lubrication
  - f. Safety
3. CYLINDRICAL & SURFACE GRINDER (500 Hours)
  - a. External cylindrical grinding
  - b. Internal cylindrical grinding
  - c. Plain surface grinding
  - d. Angle grinding
  - e. Lubrication
  - f. Safety
4. DRILLS (350 Hours)
  - a. Simple drill press work
  - b. Hand, jig, drilling and tapping
  - c. Methods of setting up
  - d. Operation of Radial drill press
  - e. Lubrication
  - f. Safety
5. HEAT-TREATING (50 Hours)
  - a. Small tools handened and tempered with propane torch

6. INSPECTION (50 Hours)
  - a. Use of height gage, sine bars and dial indicators for layout and inspection.
  - b. Use of optical comparator.
7. MOLD REPAIR (3000 Hours)
  - a. Disassemble, clean, check and reassemble injection molding dies under the supervision of qualified journeyman.
  - b. Resurface or replacement of defective component.
  - c. Polishing - use of related equipment to correct and refinish molding surfaces.
8. RELATED INSTRUCTION (450 Hours)
  - Blueprint reading and mechanical drawing
  - Elementary Physics
  - Mathematics
  - Science of Metals
  - Injection Molding Techniques

TOTAL - 6000 Hours

**WAGE SCHEDULE**

0 - 1000	Hours	_____
1001 - 2000	Hours	_____
2001 - 3000	Hours	_____
3001 - 4000	Hours	_____
4001 - 5000	Hours	_____
5001 - 6000	Hours	_____
Journeyman Rate		_____