11.2.1 Template Making

Candidate Name: _____ Date/Time: _____

Evaluator Name: _____ Location: _____

Completed test successfully: ☐ Yes ☐ No (If no, reason:) _____

Pre-Operation Checklist

Level 1

PERFORMANCE STANDARD:

▸ Verify that digital or vernier height gage is zeroed and working properly

▸ Assemble required tools: scriber, mill and Swiss pattern files, square, 320 abrasive

▸ 1/8" (3mm) colored acrylic sheet is available.

▸ An accurate dimensioned drawing of the profile is made.

▸ OR a clean, accurate sample of the moulding is available to measure.

▸ A 6 or 8" pedestal grinder is available

Level 2

PERFORMANCE STANDARD:

▸ Tools: mill and swiss pattern files, 320 abrasive are available

▸ A laser engraver or CNC template maker is available and working properly

▸ An accurate digital file (i.e. CAD dwg) of the profile has been created

▸ 1/8 (3mm) acrylic sheet is available

Considerations:

▸ Pre-Operation Checklist is a prerequisite for ANY operation.

▸ Operator clears machine and cleans work area after use.

▸ Required OSHA approved personal protective equipment is worn.

▸ Lock-out/Tag-out procedure is in place and followed.

Please use back side for additional notes

Operation Checklist

Level 1:

Given known profile in the form of dimensional data a sample or illustration, make a grinding template manually.

Performance standard:

☐ Compiles dimensional data.

☐ Creates accurate dimensioned drawing.

☐ Calculates the size of the template stock required.

☐ Cuts and squares template blank.

☐ Scribes points and pattern on blank.

☐ Cuts and files blank to scribe marks, ±0.001".

☐ Smooths profile outline, removing file marks.

Level 2:

Given a known profile in the form of a sample or illustration, make a grinding template using a laser or CNC template maker.

Performance standard:

☐ Compiles dimensional data.

☐ Creates accurate dimensioned drawing.

☐ Calculates the size of the template stock required.

☐ Cuts and squares template blank.

☐ Scribes points and pattern on blank.

☐ Cuts and files blank to scribe marks, ±0.001".

☐ Smooths profile outline, removing file marks.