

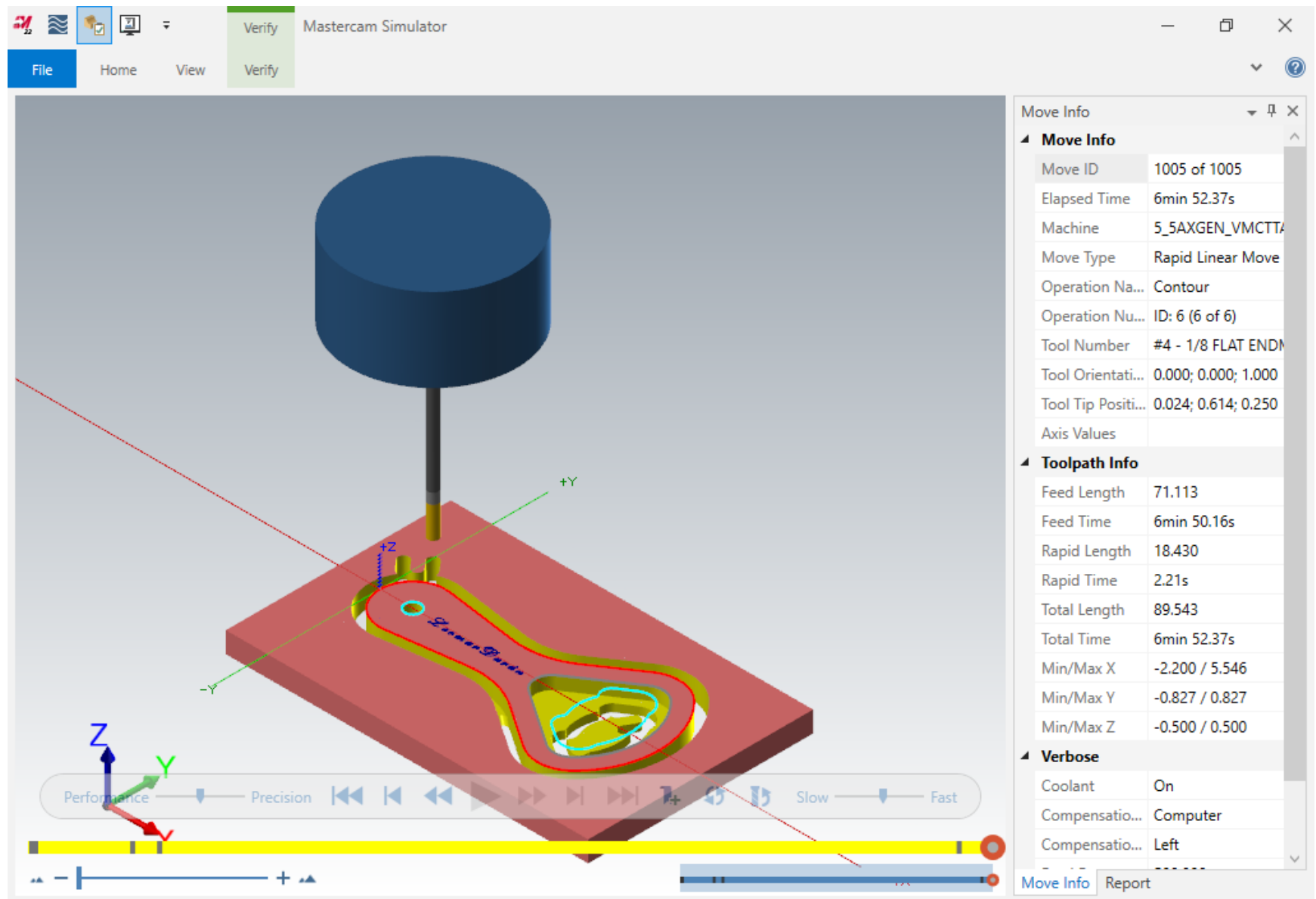
ENGT 3652 Project 4:
Bottle opener-Milling

Leomar Durán

3rd April 2023

Chapter 1

Verification of operations in Mastercam



Chapter 2

Gcode

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%
O88928(BOTTLE OPENER TOP)
(DATE=DD-MM-YY - 03-04-23 TIME=HH:MM - 19:57)
(MATERIAL - ALUMINUM INCH - 6061)
( T1 | 2" FACE MILL (SFM 600.0) | H1 )
( T2 | 3/16 DRILL (SFM 200.0) | H2 )
( T3 | 5/16 FLAT ENDMILL | H3 )
( T4 | 1/8 FLAT ENDMILL | H4 )
( T5 | 1/4 INCH ENGRAVING TOOL 60 DEGREE X .001 TIP | H5 )
N100 G20
N110 G0 G17 G40 G49 G80 G90
N120 T1 M6
N130 G0 G90 G54 X-2.2 Y0. . S1146 M3
N140 G43 H1 Z.25 M8
N150 Z.2
N160 G1 Z0. F.76
N170 X5.5464 F2.29
N180 G0 Z.25
N190 M5
N200 G91 G28 Z0. M9
N210 .
N220 M01
N230 T2 M6
N240 G0 G90 G17 G54 X.3937 Y0. . S4074 M3
N250 G43 H2 Z.5 M8
N260 G99 G81 Z-.5 R.5 F7.82
N270 G80
N280 M5
N290 G91 G28 Z0. M9
N300 .
N310 M01
N320 T3 M6
N330 G0 G90 G17 G54 X2.5077 Y-.2201 . S6723 M3
N340 G43 H3 Z.25 M8
N350 Z.2
N360 G1 Z.1 F12.12
N370 G2 X2.3763 Y0. Z.0859 I.1186 J.2201 F33.35
N380 X2.6263 Y.25 Z.0653 I.25 J0.
N390 X2.8763 Y0. Z.0447 I0. J-.25
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 N430 X2.6263 Y.25 Z-.017 I.25 J0.
 N440 X2.8763 Y0. Z-.0376 I0. J-.25
 N450 X2.6263 Y-.25 Z-.0581 I-.25 J0.
 N460 X2.5077 Y-.2201 Z-.0646 I0. J.25
 N470 X2.3763 Y0. Z-.0788 I.1186 J.2201
 N480 G1 X2.6049
 N490 G3 X2.5463 Y.0586 I-.0586 J0.
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 N510 X2.6244 Y-.1367 I.1367 J0.
 N520 X2.7611 Y0. I0. J.1367
 N530 X2.5463 Y.2148 I-.2148 J0.
 N540 X2.3314 Y0. I0. J-.2148
 N550 X2.6244 Y-.293 I.293 J0.
 N560 X2.9174 Y0. I0. J.293
 N570 X2.5499 Y.3711 I-.3711 J0.
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 N590 G3 X2.1752 Y0. I.3461 J-.134
 N600 X2.1944 Y-.1301 I.4492 J0.
 N610 G1 X2.6628 Y-.4476
 N620 G3 X2.8624 Y-.381 I-.0384 J.4476
 N630 G1 X2.7884 Y.4685
 N640 G3 X2.7516 Y.4857 I-.2421 J-.4685
 N650 X2.7416 Y.4864 I-.01 J-.0692
 N660 X2.7023 Y.4744 I0. J-.0699
 N670 G1 X2.0399 Y.0253
 N680 G3 X2.0265 Y0. I.0171 J-.0253
 N690 X2.0399 Y-.0253 I.0305 J0.
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 N710 G3 X2.7416 Y-.4865 I.0393 J.0579
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 N730 X2.9834 Y0. I-.4664 J.4677
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 N1220 Z.2
 N1230 X2.9749 Y-.0839
 N1240 G1 Z-.0788 F12.12
 N1250 X2.7995 Y.1748 F33.35
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 N1270 X2.3655 Y.2581 I0. J-.3125
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 N1290 G3 X2.0164 Y0. I.0228 J-.0336
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 N1820 G2 X2.9296 Y0. I-.5357 J-.2851
 N1830 X2.8585 Y-.2851 I-.6068 J0.
 N1840 G1 X2.8502 Y-.3006
 N1850 X2.8513 Y-.3182
 N1860 G2 X2.8515 Y-.3262 I-.1341 J-.008
 N1870 X2.7172 Y-.4605 I-.1343 J0.
 N1880 X2.6444 Y-.439 I0. J.1343
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 N1900 G2 X2.4477 Y-.2819 I.0301 J.0466
 N1910 X2.4646 Y-.242 I.0555 J0.
 N1920 G3 X2.4837 Y-.197 I-.0434 J.045
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 N2680 X.644 Y.0456
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Chapter 3

Plot in NCViewer

GCode File

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PLOT



Digital Read Out

Machine Options

