

KFCAM 3Axis Planar - Regenerate Toolpath

Tool Information | Cut Control | 3Axis Options

Stock To Leave: 0.000000

Rapid Plane: 25.000000

Minimum Z-Value:

Surface Tolerance: 0.025000

Step Type: Increment Step Size: 10.000000

Scallop Minimum Step: 0.000000

Check Surfaces: No Clearance: 0.250000

Shallow Cutting: No

Bounding Curves: No

Cutting Direction: Planar

Retrace: Bidirectional

Optimized Feed Between: No

Optimized Stepover: No

Cut Waterfall Ends: No

Limit Angle At Ends: No

Plunge Clearance: 2.500000

Enable High Speed Machining

Threshold Angle: 20.000000

Max\_Error: 0.250000

Shallow Cutting Options:

Min Angle: 0.000000

Max Angle: 30.000000

Grid Tolerance: 1.250000

Overlap: 0.937500

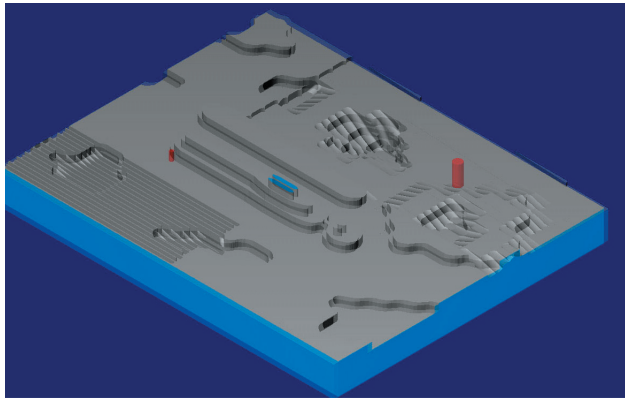
Save Curves: No

Maximum: 85.000000

Leadin Move: None

Leadout Move: None

OK Cancel Help



3D CAM 5-Axis Planar - Regenerate Toolpath

Tool Information | Cut Control | 3Axis Options

Tool: 5mm End Mill  
 Material: St33 1.0035  
 Program To Tool:  Tip  Center

Tool Number: 19  
 Length Offset: 19  
 Diameter Offset: 19  
 Work Offset: 0  
 Spindle: Main  
 Turret: Rear  
 Z Gauge Length: 0.000000  
 X Gauge Length: 0.000000  
 Coolant: Flood

19  
 1

Tool Diameter: 5.000000  
 Tip Radius: 0.000000  
 Number Of Flutes: 2  
 Tool Material: High Speed S  
 Surface Speed: 30.0  
 Chip Load: 0.036000

Calculate Speeds  Auto

Spindle Speed: 1910 CW  
 Surface Speed: 149.995341  
 Feed Rate: 137.509871 MMPM  
 Feed Chip Load: 0.007200  
 Plunge Rate: 68.754935  
 Plunge Chip Load: 0.003600  
 High Feedrate: 0.000000

Program Number: 0  
 Comments:

Insert Post Processor Commands...

OK Cancel Help

3D CAM 5-Axis Planar - Regenerate Toolpath

Tool Information | Cut Control | 3Axis Options

Stock To Leave: 0.000000  
 Rapid Plane: 25.000000  
 Minimum Z-Value:  
 Surface Tolerance: 0.025000  
 Step Type: Increment  
 Step Size: 6.000000  
 Scallop Minimum Step: 0.000000  
 Check Surfaces: No  
 Shallow Cutting: No  
 Bounding Curves: No  
 Cutting Direction: Planar  
 Retrace: Bidirectional  
 Optimized Feed Between: No  
 Optimized Stepper: No  
 Cut Waterfall Ends: No  
 Limit Angle At Ends: No  
 Plunge Clearance: 2.500000

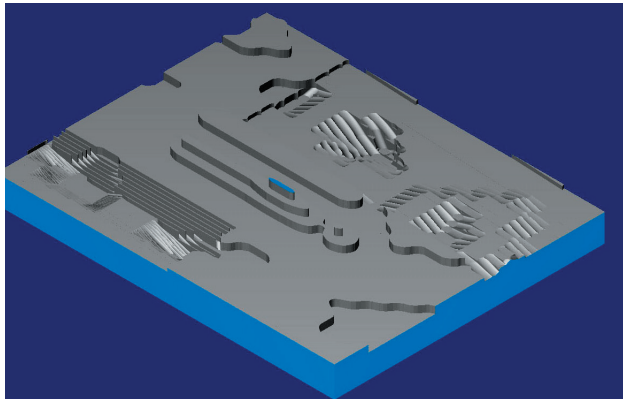
Step Size: 6.000000  
 Clearance: 0.250000  
 Shallow Cutting Options:  
 Min Angle: 0.000000  
 Max Angle: 30.000000  
 Grid Tolerance: 1.250000  
 Overlap: 0.937500  
 Save Curves: No  
 Maximum: 85.000000

Leadin Move: None  
 Leadout Move: None

Threshold Angle: 20.000000  
 Max\_Error: 0.250000

Enable High Speed Machining

OK Cancel Help



FCAM 3Axis Planar - Regenerate Toolpath

Tool Information | Cut Control | 3Axis Options

Tool: 6mm End Mill  
 Material: S133 1.0035  
 Program To Tool:  Tip  Center

Tool Number: 20  
 Length Offset: 20  
 Diameter Offset: 20  
 Work Offset: 0  
 Spindle: Main  
 Turret: Rear  
 Z Gauge Length: 0.000000  
 X Gauge Length: 0.000000  
 Coolant: Flood

20  
 1

Tool Diameter: 6.000000  
 Tip Radius: 0.000000  
 Number Of Flutes: 2  
 Tool Material: High Speed S  
 Surface Speed: 30.0  
 Chip Load: 0.048000

Calculate Speeds  Auto

Spindle Speed: 10000 CW Surface Speed: 179.994409  
 Feed Rate: 152.788745 MMPM Feed Chip Load: 0.008000  
 Plunge Rate: 76.394373 Plunge Chip Load: 0.004000  
 High Feedrate: 0.000000

Program Number: 0  
 Comments:

Insert Post Processor Commands...

OK Cancel Help

FCAM 3Axis Planar - Regenerate Toolpath

Tool Information | Cut Control | 3Axis Options

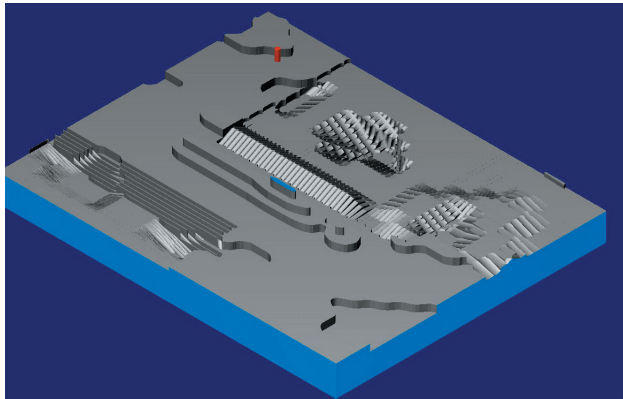
Stock To Leave: 0.000000  
 Rapid Plane: 25.000000  
 Minimum Z-Value:  
 Surface Tolerance: 0.025000  
 Step Type: Increment Step Size: 2.800000  
 Scallop Minimum Step: 0.000000  
 Check Surfaces: No Clearance: 0.250000  
 Shallow Cutting: No  
 Bounding Curves: No  
 Cutting Direction: Planar  
 Retrace: Bidirectional  
 Optimized Feed Between: No  
 Optimized Stepover: No  
 Cut Waterfall Ends: No  
 Limit Angle At Ends: No  
 Plunge Clearance: 2.500000

Shallow Cutting Options:  
 Min Angle: 0.000000  
 Max Angle: 30.000000  
 Grid Tolerance: 1.250000  
 Overlap: 0.937500  
 Save Curves: No  
 Maximum: 85.000000

Enable High Speed Machining  
 Threshold Angle: 20.000000  
 Max\_Error: 0.250000

Leadin Move: None  
 Leadout Move: None

OK Cancel Help



5-AXIS Planar - Regenerate Toolpath

Tool Information | Cut Control | 3Axis Options

Tool: 6mm End Mill  
 Material: St33 1.0035  
 Program To Tool:  Tip  Center

Tool Number: 20  
 Length Offset: 20  
 Diameter Offset: 20  
 Work Offset: 0  
 Spindle: Main  
 Turret: Rear  
 Z Gauge Length: 0.000000  
 X Gauge Length: 0.000000  
 Coolant: Flood

20  
 1

Tool Diameter: 6.000000  
 Tip Radius: 0.000000  
 Number Of Flutes: 2  
 Tool Material: High Speed S  
 Surface Speed: 30.0  
 Chip Load: 0.048000

Calculate Speeds  Auto

Spindle Speed: 10000 CW  
 Surface Speed: 179.994409  
 Feed Rate: 152.788745 MPPM  
 Feed Chip Load: 0.008000  
 Plunge Rate: 76.394373  
 Plunge Chip Load: 0.004000  
 High Feedrate: 0.000000

Program Number: 0  
 Comments:

Insert Post Processor Commands...

OK Cancel Help

5-AXIS Planar - Regenerate Toolpath

Tool Information | Cut Control | 3Axis Options

Stock To Leave: 0.000000  
 Rapid Plane: 25.000000  
 Minimum Z-Value:  
 Surface Tolerance: 0.025000  
 Step Type: Increment  
 Step Size: 6.000000  
 Scallop Minimum Step: 0.000000  
 Check Surfaces: No  
 Shallow Cutting: No  
 Bounding Curves: No  
 Cutting Direction: Planar  
 Retrace: Bidirectional  
 Optimized Feed Between: No  
 Optimized Stepover: No  
 Cut Waterfall Ends: No  
 Limit Angle At Ends: No  
 Plunge Clearance: 2.500000

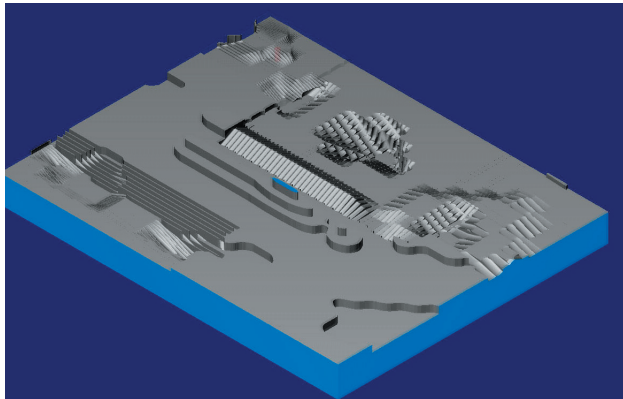
6.000000  
 6.000000  
 0.250000  
 Clearance: 0.250000  
 Shallow Cutting Options:  
 Min Angle: 0.000000  
 Max Angle: 30.000000  
 Grid Tolerance: 1.250000  
 Overlap: 0.937500  
 Save Curves: No  
 Maximum: 85.000000

Enable High Speed Machining  
 Threshold Angle: 20.000000  
 Max\_Error: 0.250000

Leadin Move: None  
 Leadout Move: None

OK Cancel Help





PTCAM 5Axis Planar - Regenerate Toolpath

Tool Information | Cut Control | 3Axis Options

Tool: 6mm End Mill  
 Material: S133 1.0035  
 Program To Tool:  Tip  Center

Tool Number: 20  
 Length Offset: 20  
 Diameter Offset: 20  
 Work Offset: 0  
 Spindle: Main  
 Turret: Rear  
 Z Gauge Length: 0.000000  
 X Gauge Length: 0.000000  
 Coolant: Flood

20  
 1  
 Tool Diameter: 6.000000  
 Tip Radius: 0.000000  
 Number Of Flutes: 2  
 Tool Material: High Speed S  
 Surface Speed: 30.0  
 Chip Load: 0.048000

Calculate Speeds  Auto

Spindle Speed: 10000 CW  
 Surface Speed: 179.994409  
 Feed Rate: 152.788745 MPPM  
 Feed Chip Load: 0.008000  
 Plunge Rate: 76.394373  
 Plunge Chip Load: 0.004000  
 High Feedrate: 0.000000

Program Number: 0  
 Comments:

OK Cancel Help

PTCAM 5Axis Planar - Regenerate Toolpath

Tool Information | Cut Control | 3Axis Options

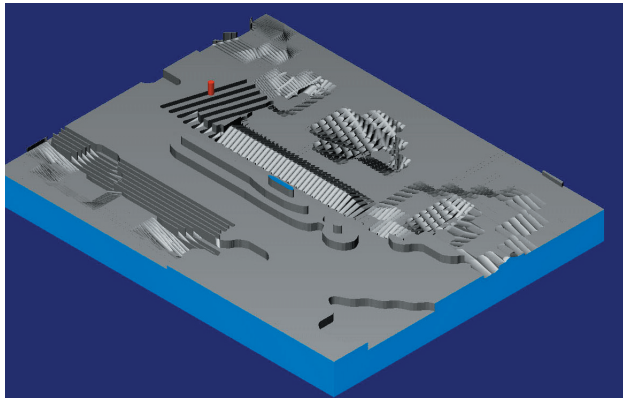
Stock To Leave: 0.000000  
 Rapid Plane: 25.000000  
 Minimum Z-Value:  
 Surface Tolerance: 0.025000  
 Step Type: Increment  
 Step Size: 2.800000  
 Scallop Minimum Step: 0.000000  
 Check Surfaces: No  
 Shallow Cutting: No  
 Bounding Curves: No  
 Cutting Direction: Planar  
 Retrace: Bidirectional  
 Optimized Feed Between: No  
 Optimized Stepover: No  
 Cut Waterfall Ends: No  
 Limit Angle At Ends: No  
 Plunge Clearance: 2.500000

Step Size: 2.800000  
 Clearance: 0.250000  
 Shallow Cutting Options:  
 Min Angle: 0.000000  
 Max Angle: 30.000000  
 Grid Tolerance: 1.250000  
 Overlap: 0.937500  
 Save Curves: No  
 Maximum: 85.000000

Enable High Speed Machining  
 Threshold Angle: 20.000000  
 Max\_Error: 0.250000

Leadin Move: None  
 Leadout Move: None

OK Cancel Help



5-AXIS Planar - Regenerate Toolpath

Tool Information | Cut Control | 3Axis Options

Tool: 6mm End Mill  
 Material: S133 1.0035  
 Program To Tool:  Tip  Center

Tool Number: 20  
 Length Offset: 20  
 Diameter Offset: 20  
 Work Offset: 0  
 Spindle: Main  
 Turret: Rear  
 Z Gauge Length: 0.000000  
 X Gauge Length: 0.000000  
 Coolant: Flood

20  
 1

Tool Diameter: 6.000000  
 Tip Radius: 0.000000  
 Number Of Flutes: 2  
 Tool Material: High Speed S  
 Surface Speed: 30.0  
 Chip Load: 0.048000

Calculate Speeds  Auto

Spindle Speed: 10000 CW  
 Surface Speed: 179.994409  
 Feed Rate: 152.788745 MPPM  
 Feed Chip Load: 0.008000  
 Plunge Rate: 76.394373  
 Plunge Chip Load: 0.004000  
 High Feedrate: 0.000000

Program Number: 0  
 Comments:

Insert Post Processor Commands...

OK Cancel Help

5-AXIS Planar - Regenerate Toolpath

Tool Information | Cut Control | 3Axis Options

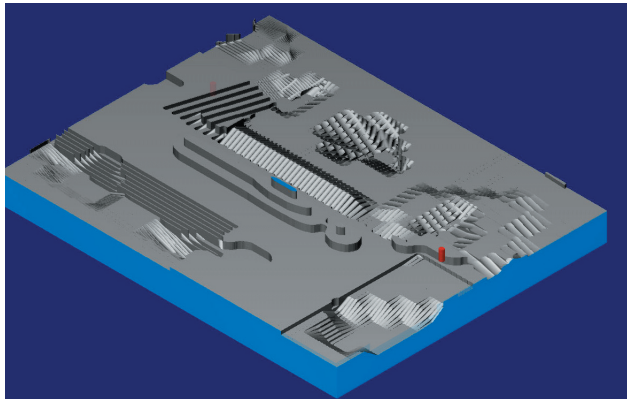
Stock To Leave: 0.000000  
 Rapid Plane: 25.000000  
 Minimum Z-Value:  
 Surface Tolerance: 0.025000  
 Step Type: Increment  
 Scallop Minimum Step: 0.000000  
 Check Surfaces: No  
 Shallow Cutting: No  
 Bounding Curves: No  
 Cutting Direction: Planar  
 Retrace: Bidirectional  
 Optimized Feed Between: No  
 Optimized Stepover: No  
 Cut Waterfall Ends: No  
 Limit Angle At Ends: No  
 Plunge Clearance: 2.500000

Step Size: 12.000000  
 Clearance: 0.250000  
 Shallow Cutting Options:  
 Min Angle: 0.000000  
 Max Angle: 30.000000  
 Grid Tolerance: 1.250000  
 Overlap: 0.937500  
 Save Curves: No  
 Maximum: 85.000000

Enable High Speed Machining  
 Threshold Angle: 20.000000  
 Max\_Error: 0.250000

Leadin Move: None  
 Leadout Move: None

OK Cancel Help



5-AXIS Planar - Regenerate Toolpath

Tool Information | Cut Control | 3Axis Options

Tool: 6mm End Mill  
 Material: St33 1.0035  
 Program To Tool:  Tip  Center

Tool Number: 20  
 Length Offset: 20  
 Diameter Offset: 20  
 Work Offset: 0  
 Spindle: Main  
 Turret: Rear  
 Z Gauge Length: 0.000000  
 X Gauge Length: 0.000000  
 Coolant: Flood

20  
 1

Tool Diameter: 6.000000  
 Tip Radius: 0.000000  
 Number Of Flutes: 2  
 Tool Material: High Speed S  
 Surface Speed: 30.0  
 Chip Load: 0.048000

Calculate Speeds  Auto

Spindle Speed: 10000 CW  
 Feed Rate: 152.788745 MPPM  
 Plunge Rate: 76.394373  
 High Feedrate: 0.000000

Surface Speed: 179.994409  
 Feed Chip Load: 0.008000  
 Plunge Chip Load: 0.004000

Program Number: 0  
 Comments:

Insert Post Processor Commands...

OK Cancel Help

5-AXIS Planar - Regenerate Toolpath

Tool Information | Cut Control | 3Axis Options

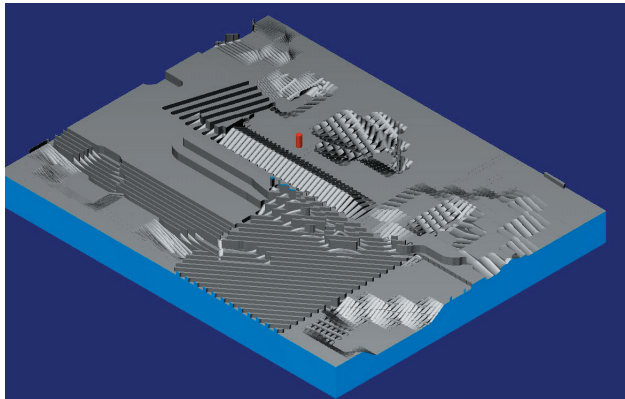
Stock To Leave: -3.000000  
 Rapid Plane: 25.000000  
 Minimum Z-Value:  
 Surface Tolerance: 0.025000  
 Step Type: Increment  
 Step Size: 4.000000  
 Scallop Minimum Step: 0.000000  
 Check Surfaces: No  
 Shallow Cutting: No  
 Bounding Curves: No  
 Cutting Direction: Planar  
 Retrace: Bidirectional  
 Optimized Feed Between: No  
 Optimized Stepover: No  
 Cut Waterfall Ends: No  
 Limit Angle At Ends: No  
 Plunge Clearance: 2.500000

Clearance: 0.250000  
 Shallow Cutting Options:  
 Min Angle: 0.000000  
 Max Angle: 30.000000  
 Grid Tolerance: 1.250000  
 Overlap: 0.937500  
 Save Curves: No  
 Maximum: 85.000000

Enable High Speed Machining  
 Threshold Angle: 20.000000  
 Max\_Error: 0.250000

Leadin Move: None  
 Leadout Move: None

OK Cancel Help



5- Axis Planar - Regenerate Toolpath

Tool Information | Cut Control | 3Axis Options

Tool: 6mm End Mill      20

Material: St33 1.0035      1

Program To Tool:  Tip     Center

Tool Number: 20      Tool Diameter: 6.000000

Length Offset: 20      Tip Radius: 0.000000

Diameter Offset: 20      Number Of Flutes: 2

Work Offset: 0      Tool Material: High Speed S

Spindle: Main

Turret: Rear

Surface Speed: 30.0

Chip Load: 0.048000

Z Gauge Length: 0.000000      Calculate Speeds     Auto

X Gauge Length: 0.000000

Coolant: Flood

Spindle Speed: 10000    CW      Surface Speed: 179.994409

Feed Rate: 152.788745    MMPM      Feed Chip Load: 0.008000

Plunge Rate: 76.394373

Plunge Chip Load: 0.004000

High Feedrate: 0.000000

Program Number: 0      Insert Post Processor Commands...

Comments:

OK    Cancel    Help

5- Axis Planar - Regenerate Toolpath

Tool Information | Cut Control | 3Axis Options

Stock To Leave: 0.000000

Rapid Plane: 25.000000

Minimum Z-Value:

Surface Tolerance: 0.025000

Step Type: Increment      Step Size: 8.000000

Scallop Minimum Step: 0.000000

Check Surfaces: No

Clearance: 0.250000

Shallow Cutting: No

Shallow Cutting Options:

Min Angle: 0.000000

Max Angle: 30.000000

Bounding Curves: No

Grid Tolerance: 1.250000

Cutting Direction: Planar

Overlap: 0.937500

Retrace: Bidirectional

Save Curves: No

Optimized Feed Between: No

Optimized Stepper: No

Maximum: 85.000000

Cut Waterfall Ends: No

Limit Angle At Ends: No

Plunge Clearance: 2.500000

Enable High Speed Machining

Leadin Move: None

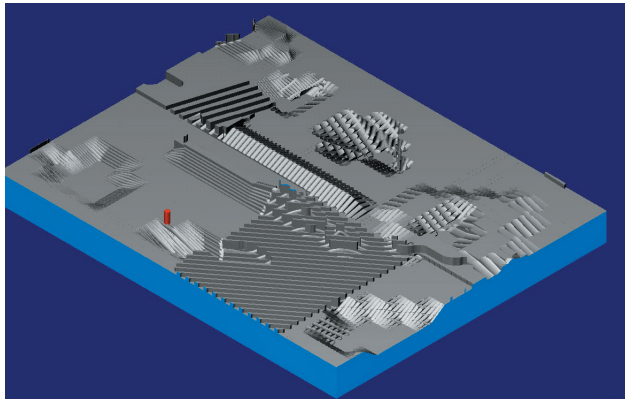
Threshold Angle: 20.000000

Leadout Move: None

Max\_Error: 0.250000

OK    Cancel    Help





5-AXIS Planar - Regenerate Toolpath

Tool Information | Cut Control | 3Axis Options

Tool: 6mm End Mill  
 Material: S133 1.0035  
 Program To Tool:  Tip  Center

Tool Number: 20  
 Length Offset: 20  
 Diameter Offset: 20  
 Work Offset: 0  
 Spindle: Main  
 Turret: Rear  
 Z Gauge Length: 0.000000  
 X Gauge Length: 0.000000  
 Coolant: Flood

20  
 1  
 6.000000  
 0.000000  
 2  
 High Speed S  
 30.0  
 0.048000  
 Calculate Speeds  Auto

Spindle Speed: 10000 CW Surface Speed: 179.994409  
 Feed Rate: 152.788745 MPPM Feed Chip Load: 0.008000  
 Plunge Rate: 76.394373 Plunge Chip Load: 0.004000  
 High Feedrate: 0.000000

Program Number: 0  
 Comments:

OK Cancel Help

5-AXIS Planar - Regenerate Toolpath

Tool Information | Cut Control | 3Axis Options

Stock To Leave: 0.000000  
 Rapid Plane: 25.000000  
 Minimum Z-Value:  
 Surface Tolerance: 0.025000  
 Step Type: Increment Step Size: 2.990000  
 Scallop Minimum Step: 0.000000  
 Check Surfaces: No Clearance: 0.250000  
 Shallow Cutting: No  
 Bounding Curves: No  
 Cutting Direction: Flow Surface  
 Retrace: Bidirectional  
 Optimized Feed Between: No  
 Optimized Stepover: No  
 Cut Waterfall Ends: No  
 Limit Angle At Ends: No  
 Plunge Clearance: 2.500000

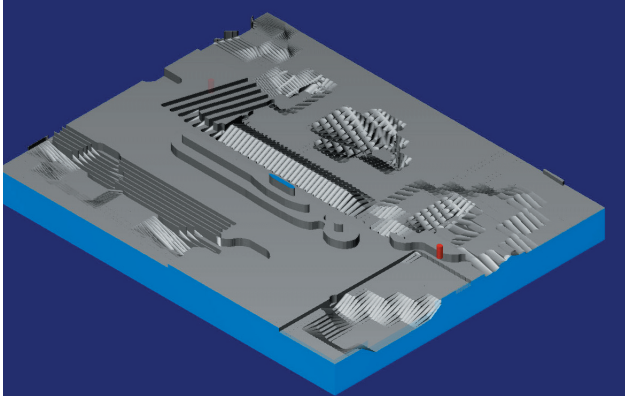
Shallow Cutting Options:  
 Min Angle: 0.000000  
 Max Angle: 30.000000  
 Grid Tolerance: 1.250000  
 Overlap: 0.937500  
 Save Curves: No  
 Maximum: 85.000000

Enable High Speed Machining  
 Threshold Angle: 20.000000  
 Max\_Error: 0.250000

Leadin Move: None  
 Leadout Move: None

OK Cancel Help





Information | Cut Control | Axis Options

Tool: Five End Mill 20  
Material: S13 L 0025  
Program To Tool: Tip Center

Tool Number: 20  
Tool Diameter: 0.00000  
Length Offset: 20  
Tip Radius: 0.00000  
Diameter Offset: 20  
Number Of Flutes: 2  
Work Offset: 0  
Tool Material: High Speed S  
Spindle: 1000  
Turret: None  
Chip Load: 0.049000  
Z Gauge Length: 0.00000  
X Gauge Length: 0.00000  
Calculate Speeds:  Auto  
Coolant: Flood

Spindle Speed: 1000 [Cw] Surface Speed: 179.09440  
Feed Rate: 152.788745 [NMFH] Feed Chip Load: 0.000000  
Plunge Rate: 76.394373 Plunge Chip Load: 0.000000  
High Feedrate: 0.000000

Program Number: 0  
Insert Post Processor Commands:  
Comments:

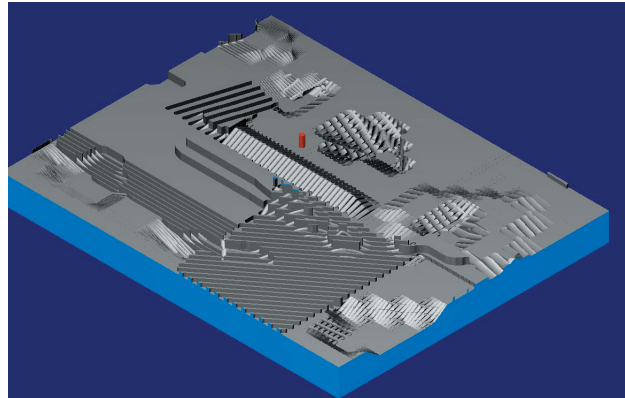
OK Cancel Help

Information | Cut Control | Axis Options

Stock To Leave: 0.000000  
Rapid Plane: S13 L 0025  
Minimum Z Value: 0.000000  
Surface Tolerance: 0.020000  
Step Type: Increment Step Size: 0.000000  
Scallop Minimum Step: 0.000000  
Check Surfaces: No Clearance: 0.000000  
Shallow Cutting: No Shallow Cutting Options: 0.000000  
Boarding Curves: No Min Angle: 0.000000  
Cutting Direction: Plane Max Angle: 0.000000  
Rethrow: Bidirectional Grid Tolerance: 0.000000  
Optimized Feed Between: No Overlap: 0.000000  
Droptail Stopover: No Save Curves: No  
Leadin Move: None  
Leadout Move: None

Enable High Speed Machining  
Tread Allow: 0.000000  
Max. Err: 0.000000

OK Cancel Help



Information | Cut Control | Axis Options

Tool: Five End Mill 20  
Material: S13 L 0025  
Program To Tool: Tip Center

Tool Number: 20  
Tool Diameter: 0.00000  
Length Offset: 20  
Tip Radius: 0.00000  
Diameter Offset: 20  
Number Of Flutes: 2  
Work Offset: 0  
Tool Material: High Speed S  
Spindle: 1000  
Turret: None  
Chip Load: 0.049000  
Z Gauge Length: 0.00000  
X Gauge Length: 0.00000  
Calculate Speeds:  Auto  
Coolant: Flood

Spindle Speed: 1000 [Cw] Surface Speed: 179.09440  
Feed Rate: 152.788745 [NMFH] Feed Chip Load: 0.000000  
Plunge Rate: 76.394373 Plunge Chip Load: 0.000000  
High Feedrate: 0.000000

Program Number: 0  
Insert Post Processor Commands:  
Comments:

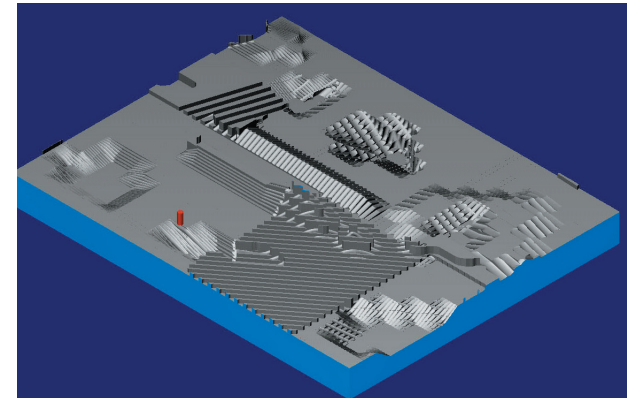
OK Cancel Help

Information | Cut Control | Axis Options

Stock To Leave: 0.000000  
Rapid Plane: S13 L 0025  
Minimum Z Value: 0.000000  
Surface Tolerance: 0.020000  
Step Type: Increment Step Size: 0.000000  
Scallop Minimum Step: 0.000000  
Check Surfaces: No Clearance: 0.000000  
Shallow Cutting: No Shallow Cutting Options: 0.000000  
Boarding Curves: No Min Angle: 0.000000  
Cutting Direction: Plane Max Angle: 0.000000  
Rethrow: Bidirectional Grid Tolerance: 0.000000  
Optimized Feed Between: No Overlap: 0.000000  
Droptail Stopover: No Save Curves: No  
Leadin Move: None  
Leadout Move: None

Enable High Speed Machining  
Tread Allow: 0.000000  
Max. Err: 0.000000

OK Cancel Help



Information | Cut Control | Axis Options

Tool: Five End Mill 20  
Material: S13 L 0025  
Program To Tool: Tip Center

Tool Number: 20  
Tool Diameter: 0.00000  
Length Offset: 20  
Tip Radius: 0.00000  
Diameter Offset: 20  
Number Of Flutes: 2  
Work Offset: 0  
Tool Material: High Speed S  
Spindle: 1000  
Turret: None  
Chip Load: 0.049000  
Z Gauge Length: 0.00000  
X Gauge Length: 0.00000  
Calculate Speeds:  Auto  
Coolant: Flood

Spindle Speed: 1000 [Cw] Surface Speed: 179.09440  
Feed Rate: 152.788745 [NMFH] Feed Chip Load: 0.000000  
Plunge Rate: 76.394373 Plunge Chip Load: 0.000000  
High Feedrate: 0.000000

Program Number: 0  
Insert Post Processor Commands:  
Comments:

OK Cancel Help

Information | Cut Control | Axis Options

Stock To Leave: 0.000000  
Rapid Plane: S13 L 0025  
Minimum Z Value: 0.000000  
Surface Tolerance: 0.020000  
Step Type: Increment Step Size: 0.000000  
Scallop Minimum Step: 0.000000  
Check Surfaces: No Clearance: 0.000000  
Shallow Cutting: No Shallow Cutting Options: 0.000000  
Boarding Curves: No Min Angle: 0.000000  
Cutting Direction: Plane Max Angle: 0.000000  
Rethrow: Bidirectional Grid Tolerance: 0.000000  
Optimized Feed Between: No Overlap: 0.000000  
Droptail Stopover: No Save Curves: No  
Leadin Move: None  
Leadout Move: None

Enable High Speed Machining  
Tread Allow: 0.000000  
Max. Err: 0.000000

OK Cancel Help