

```
G00 X 55 Z 0  
G01 X 0 Z 0 F 0.1  
G01 X 55 Z 0 F 0.1  
G90 X 51.5 Z -50 F 0.1  
G90 X 47.0 Z -50 F 0.1  
G90 X 36.5 Z -39.5 F 0.1  
G90 X 27 Z -24.5 F 0.1  
G90 X 21 Z -14.5 F 0.1  
G90 X 11 Z -9.5 F 0.1  
G01 X 10 Z 0 F 0.1  
G01 X 10 Z -10 F 0.1  
G02 X 20 X -15 I 5 K 0  
G03 X 26 Z -18 I 0 K -3  
G01 X 26 Z -25  
X 36 Z -30  
Z -40  
G03 X 46 Z -45 I 0 K -5  
G01 Z -50  
G00 Z 50 Z -45  
Z 0
```

Centre for Computational Technologies

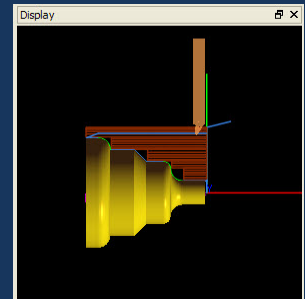
Simulation is The Future

BENEFITS

- Aims to train beginners to learn and execute CNC Programming
- Cost effective tool for setting up the virtual CNC lab
- Excellent tool with multiple options at various levels in G-Code, M-Code CNC Programming
- Excellent 3D visualization of material removal
- Powerful, yet simple to use

```
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G01 X 0 Z 0 F 0.1  
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G90 X 36.5 Z -39.5 F 0.1  
G90 X 27 Z -24.5 F 0.1
```

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NEED

Who Need DiscreteSimulator ?

Why ?

Engineering Students

Learn CNC Programming

Professor

Good Teaching Assistant

Industry

Train Practicing Engineer

Learning Solution

Step By Step Display

3D Graphical Display

Inbuilt NC Code Editor

Simple And Interactive GUI

2D, 3D View, Pan, Zoom, Rotate

Inbuilt NC Code Syntax Corrector

Advanced Toolbar

File Export (Fanuc, SIEMENS)

Stock Export For Other Software

Simulation Toolbar For Fast Usage

Calculation For Required Parameters

Snap Shots and Video Animation Output

FEATURES



Fast Rendering

3D View Of Stack

Run Time Display

Display in Different Views

3D Graphical Display

Text Editor

Syntax Checking

Line Highlighter

Block By Block Display

NC Code Editor

Established in 2006 by alumni of IIT Bombay. CCTech offers training courses in the field of CAD and CFD. The team comprises of industry professionals from leading CAE companies like ANSYS FLUENT, Geometric Software, and Cognizant. With the motive of creating the knowledge centric organization, we have created a brand name in CAE industry.

CCTech develops many educational toolkits. DiscreteSimulator is one of them, developed by considering the training need in CAM domain. This tool will make learning process of aspiring students fast and effective.



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