CIMCO
WHEN RELIABILITY MATTERS

CIMCO is an industry leading developer of software solutions for Computer Integrated Manufacturing and Industry 4.0. Our software suite includes advanced CNC editors, simulation software, DNC communications software, Manufacturing Data Collection for real-time monitoring and analysis of shop floor productivity, and Manufacturing Data Management for managing, organizing and securely storing production related data.

Since 1991, CIMCO has helped companies worldwide improve their competitive edge by providing reliable software and outstanding on-site assistance. Our network of CAD/CAM/CNC resellers and consultants have sold more than 100,000 licenses worldwide and we hold great pride in continuously supporting and meeting our customers' demands by developing intelligent and competitive solutions.

THE FULL SUITE OF CIMCO SOFTWARE

CIMCO Edit
Full-featured NC editing, simulation and machine communication tool. Powerful add-ons available.

CIMCO DNC-Max
The leading solution for NC program transfers to and from CNC machines. Compatible with machines and files.

CIMCO MDC-Max
Real-time manufacturing data collection. Optimize use of resources, and streamline processes.

CIMCO NC-Base
Organize, manage, and protect part programs and related production documents efficiently.

CIMCO MDM
Complete solution for manufacturing document management. Integrates with CAD/CAM systems from leading vendors.

CIMCO Scheduler
Production scheduling and order tracking solution. Improve delivery times and use of machines and resources.

CIMCO Machine Simulation
Prove-out your NC program on a 3D CNC machine model. Automatic checks for collisions, out of limit moves and more.

CIMCO CNC-Calc
A basic CAD/CAM. Draw 2D geometrical contours and lay out toolpaths for milling and turning machines.

CIMCO Mazatrol Viewer
Enables CIMCO Edit to read, preview and print Mazatrol binary files for both milling and turning.

CIMCO Teachware
E-learning solution that introduces students to working with digital machine tools.

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CIMCO HEADQUARTERS AND MAIN TRAINING FACILITY ARE LOCATED IN THE DANISH CAPITAL COPENHAGEN. THIS IS THE BASE OF OPERATION FOR THE SALES AND SUPPORT TEAM. OUR TECHNICAL SERVICE STAFF TRAVELS WORLDWIDE AND HAS LOCAL OFFICES IN SELECT COUNTRIES.

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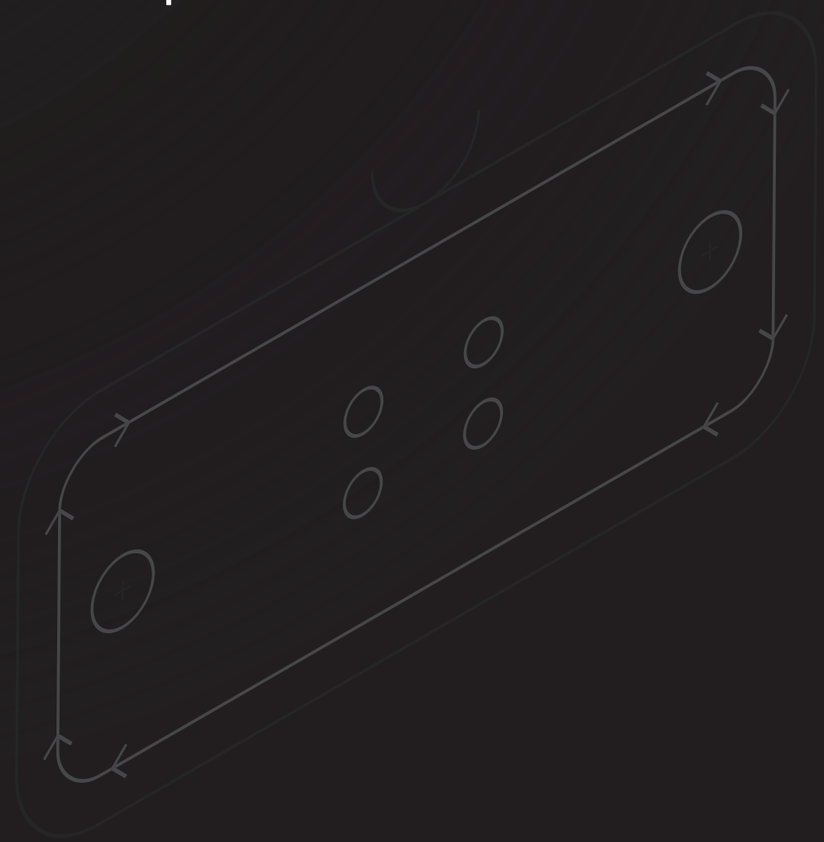
CNC-CALC

A simple CAD/CAM solution for the workshop



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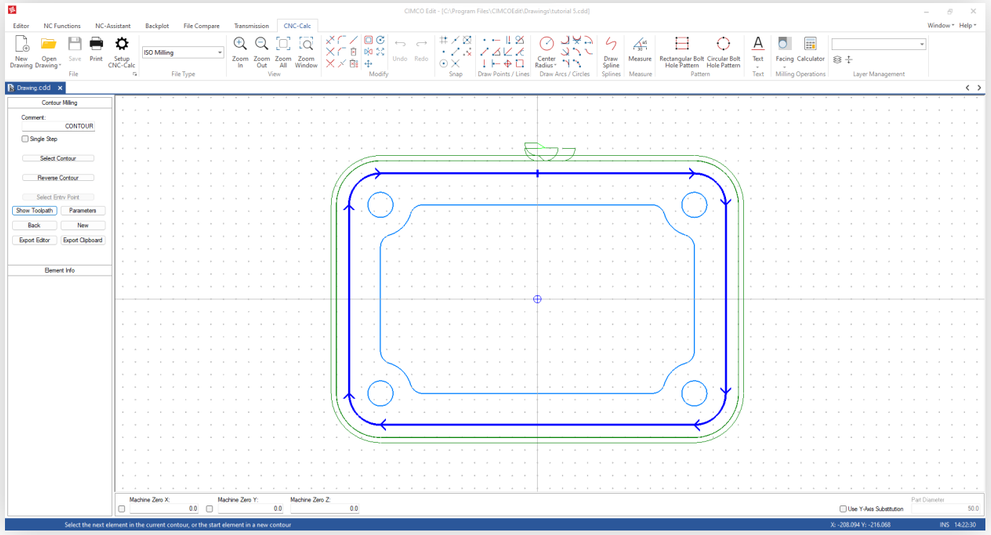
INTRODUCTION

What is CIMCO CNC-Calc?

Draw 2D geometrical contours, create toolpaths for milling and turning machines, and generate NC code in minutes.

CIMCO CNC-Calc is an add-on for CIMCO Edit that provides a simple and cost effective solution to draw 2D geometrical contours, lay out toolpaths for milling and turning, and simulate the resulting NC program. CNC-Calc also has a comprehensive set of features that can handle more complex geometric drawings, such as importing geometry in DXF format and preparing it for machining.



BENEFITS

Why use CIMCO CNC-Calc?

Easy to use

CIMCO CNC-Calc is designed to be used by the operators and toolmakers who are untrained in advanced CAD/CAM systems.

Increase productivity

Get rid of calculators and trigonometric tables. CNC-Calc provides a simple interface and functionality to get work done faster.

Optimized toolpaths

Reduce machining time, improve surface quality, and minimize tool wear with optimized toolpaths for both milling and turning.

Prepare imported geometry

Import DXF files to prepare for editing and machining. Easily delete, move, duplicate, mirror elements and much more.

Validate NC code

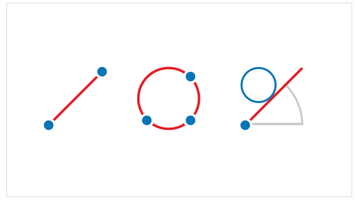
Use the functionality in CIMCO Edit to view, edit, and simulate the generated toolpaths before running any code on your machine.

Ideal for workshops

CNC-Calc is a helpful tool for daily NC programming tasks and an ideal choice for workshops that are new to CAD/CAM.

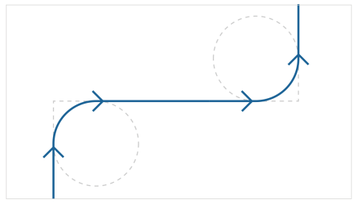
FEATURES

Some of the many features included



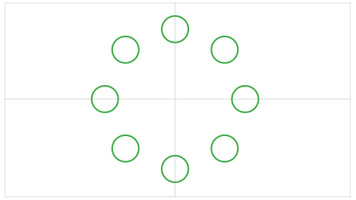
Essential drawing tools

Draw contours using points, lines, arcs, and splines, and use transforms to move, rotate, scale, mirror, and offset elements.



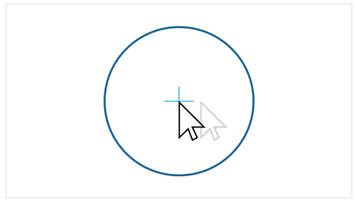
Fillets and Chamfers

Create Fillets or Chamfers on corner intersections. Simply select a corner and specify a radius or an angle.



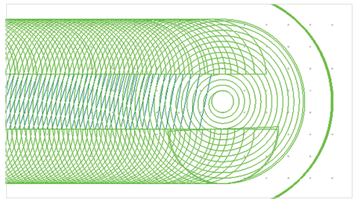
Bolt Hole patterns

Create rectangular (rows and columns) and circular (full circle or circle segment) bolt hole patterns in seconds.



Trim and Snap

Trim intersections with a few mouse-clicks and easily select elements with cursor snapping such as intersections, circles, and center points.



Milling and Turning strategies

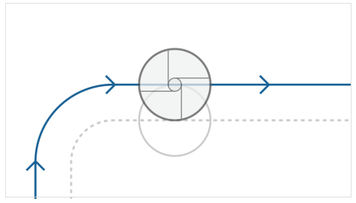
Lay out toolpath for milling or turning directly on your geometry using machining strategies such as Facing, Roughing, Contour, Constant Cut, Drilling and more.

Letter milling

Mill simple letters and numbers on your workpiece or use True-Type fonts for a custom look. Set depth, feed, speed, and clearance for the operation.

Import DXF drawings

Import DXF files (CAD data file format) and generate toolpaths for different types of CNC controllers, such as ISO, Fanuc and Heidenhain.



Cutter compensation

For adjusting the toolpath, CNC-Calc supports user-defined cutter compensation types such as Computer, Controller, Wear, and Reverse (Inverse) Wear.

Integrated with CIMCO Edit

CNC-Calc has its own tab in the interface, and it integrates with all the powerful features of CIMCO Edit, such as NC code editing and toolpath simulation.

- ✓ Layer elements
  Group and organize related elements in your drawing.
- ✓ Measurements
  Place measurements on a drawing.
- ✓ Feed and Speed calculator
  Calculate the feed and speed, based on the data of a specific tool.
- ✓ User-defined Post Processor
  Specify a Post Processor that will be used to format the output.
- ✓ Grid and Origin
  Display grid, sub-grid and origin to help you align elements.

MORE

www.cimco.com →

Visit our website to discover many more features, videos or to download our free, 30 day trial version of CIMCO CNC-Calc.