



Sandvik Coromant Milling Calculator

Requirements:

Windows XP, Windows 7 or 8 *)

.NET 4.0 (will be installed if not present)

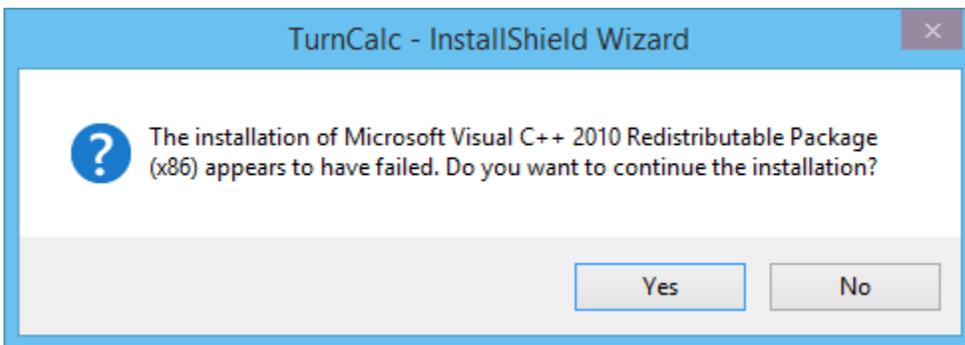
Local Administrator privileges

Install the Calculator

1. Exit any open application(s)
2. Double-click the file MillCalcSetup.exe and follow the instructions.

Known issue(s) *

The set up of this app requires the installation of **Microsoft Visual C++ Redistributable Package (x86)**. Installing this app on Windows 7 or later, may result in the below message if the package is already installed. If so, click "Yes" and installation will continue and finalize.



Support

Send an e-mail to: app-support.coromant@sandvik.com

Using the app

The app is divided into 3 sections. The left frame contains all calculated results. Use the right/left arrow on the screen to navigate between the results.

The middle frame contains all the input columns. Click in the “Info” icon and you will find a description of the column. Use the mouse or the Tab key to navigate between the columns.

The right frame contains settings and functions of the app. You can use “Compare mode” and/or economical Calculations. In here, you will also find the “Settings” where you can switch between Inch and Metric mode.

Machining Calculator

Feed speed (vf) in/min 32,100 ● ○ ○ ○ ○ ○ ← →	Axial depth of cut (ap) ⓘ <input type="text" value="0,1"/>	Radial width of cut (ae) ⓘ <input type="text" value="1"/>	Cutter position ⓘ Side milling ▾
	Lead angle (Ψr) ⓘ -27,5 ▾	Feed per tooth (fz) ⓘ <input type="text" value="0,006"/>	Max chip thickness (hex) ⓘ <input type="text" value="0,007"/>
	Number of inserts (zc) ⓘ <input type="text" value="5"/>	Length of cut (lm) ⓘ <input type="text" value="6"/>	Number of passes ⓘ <input type="text" value="1"/>
	Specific cutting force (kc) ⓘ <input type="text" value="390348"/>		

Cost Calculation

Machine cost per component cost/comp 46,67 ● ○ ○ ○ ○ ○ ← →	Machine cost per hour ⓘ <input type="text" value="300"/>	Number of parts per year ⓘ <input type="text" value="1500"/>	Total cycle time (s) ⓘ <input type="text" value="560"/>
	Insert cost ⓘ <input type="text" value="10"/>	Insert tool life (components) ⓘ <input type="text" value="75"/>	Edges per insert ⓘ <input type="text" value="8"/>
	Inserts per tool ⓘ <input type="text" value="5"/>	Toolholder cost ⓘ <input type="text" value="1000"/>	Max insert indexes ⓘ <input type="text" value="250"/>

Cost Calculation - Compare mode

Machine cost per component cost/comp Current 46,67 Proposed 33,75 ● ○ ○ ○ ○ ○ ← →	Machine cost per hour ⓘ ⓘ <input type="text" value="300"/> <input type="text" value="300"/>	Number of parts per year ⓘ ⓘ <input type="text" value="1500"/> <input type="text" value="1500"/>	Total cycle time (s) ⓘ ⓘ <input type="text" value="560"/> <input type="text" value="405"/>
	Insert cost ⓘ ⓘ <input type="text" value="10"/> <input type="text" value="10"/>	Insert tool life (components) ⓘ ⓘ <input type="text" value="75"/> <input type="text" value="125"/>	Edges per insert ⓘ ⓘ <input type="text" value="8"/> <input type="text" value="8"/>
	Inserts per tool ⓘ ⓘ <input type="text" value="5"/> <input type="text" value="5"/>	Toolholder cost ⓘ ⓘ <input type="text" value="1000"/> <input type="text" value="1000"/>	Max insert indexes ⓘ ⓘ <input type="text" value="250"/> <input type="text" value="300"/>