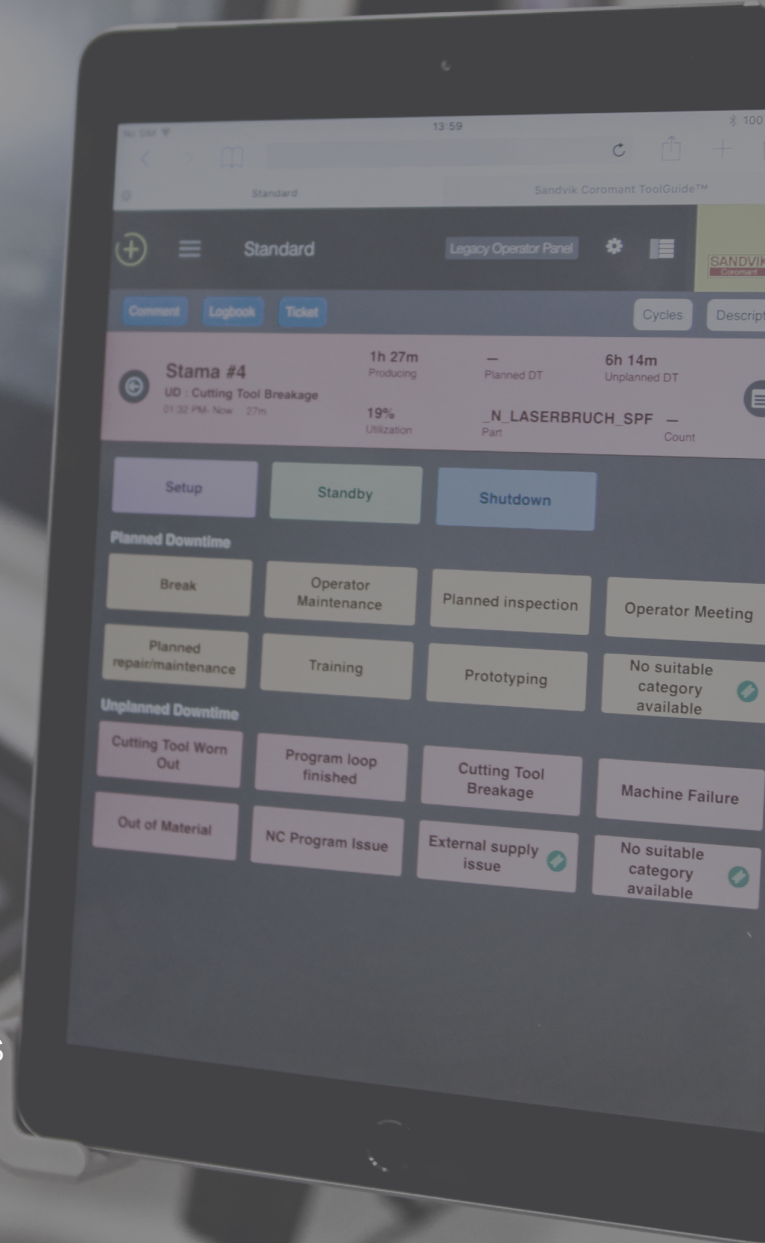


# Digital machining

Society's rapid digitalization brings opportunities for the manufacturing industry to overcome challenges, minimize waste of resources, time and data – and ultimately becoming more profitable. **CoroPlus®**, the digital machining offer from Sandvik Coromant, includes solutions that facilitate the manufacturing industry's journey into industry 4.0.

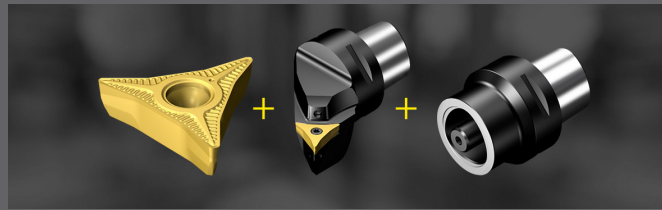




#### CoroPlus® ToolGuide

### Get tool and cutting data recommendations

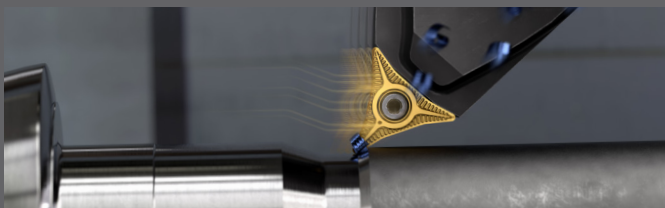
Cutting tool and cutting data selection is one of the processes that can make or break efficiency. Paper catalogues are becoming more scarce in modern machine shop where digital solutions make tool and cutting data recommendations adapted to suit specific machining tasks. Using CoroPlus® ToolGuide, you get access to tool and cutting data recommendation through an easy-to-use interface. Define your machining application and be presented the most productive tool to use.



#### CoroPlus® ToolLibrary

### Build and manage digital tool assemblies

Working with digital tool assemblies allows you to increase security throughout your machining processes. By using a digital representation of your tool assemblies, you can simulate processes with high accuracy before machining starts. CoroPlus® ToolLibrary is a digital tool library that integrates with tool management and CAM system, enabling you to increase planning and preparation efficiency.



#### CoroPlus® ToolPath

### Generate CNC code for innovative machining methods

CoroPlus® ToolPath is the name of a set of software that generate tool paths for unique machining methods.

- **SpiroGrooving®** tool path software allows users to quickly generate CNC code for SpiroGrooving™, a machining method for seal ring grooves.
- **InvoMilling®** CAD/CAM software is a sophisticated software for programming of InvoMilling™, a flexible way to produce gears with standardized cutting tools.
- **PrimeTurning™** tool path software enables quick and high-quality CNC code generation for PrimeTurning, a method which enables you to do turning in all directions in much more efficient and productive way as compared to conventional turning.

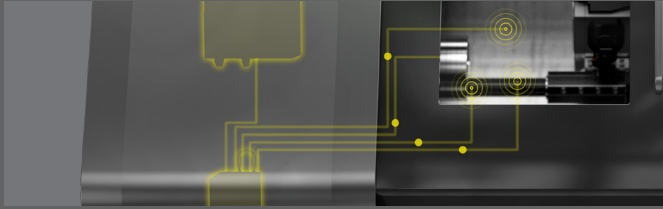


#### Silent Tools™ Plus

### Increase security in long-overhang turning

When turning internally with long overhang, one of the main challenges is to know how the machining process is running inside the component. Silent Tools™ Plus is a solution that presents process information on a dashboard for the operator. Data is sent from the tool itself to the operator, enabling better decision-making and increased process security.

The solution is available in selected markets.  
[sandvik.coromant.com/silenttoolsplus](http://sandvik.coromant.com/silenttoolsplus)



### CoroPlus® ProcessControl **Monitor machining and machine tool condition**

CoroPlus® ProcessControl increases security of machining processes. The offer consists of three value-based packages.

- Collision detector detects collisions and automatically stops machining to avoid costly machine tool repair.
- Tool guard monitors your cutting tool performance to maximize process security.
- Machine health inspector gives reports of the condition of your machine tool and saves costs through predictive maintenance.

The solution is available in selected markets.  
[sandvik.coromant.com/processcontrol](http://sandvik.coromant.com/processcontrol)



### Coromant Capto® DTH Plus **Predict maintenance of driven tool holders**

Quick change tool holders reduce time spent on measuring, set-up and tool change, allowing for improved machine utilization. Adding sensor technology to driven tool holders with quick change functionality, you are presented with information about your tool holder that allow you to plan maintenance in a cost-efficient way – and secure that production doesn't stop because of a damaged tool holder.

The solution is planned to be made available in selected markets during 2019.  
[sandvik.coromant.com/coromantcaptoplus](http://sandvik.coromant.com/coromantcaptoplus)



### CoroPlus® MachiningInsights **Increase equipment utilization**

Planning for availability in a workshop requires transparency of all manufacturing operations. While manual collection of machine tool data and documentation become time-consuming, a connected machine offers possibilities for transparency, optimized planning and streamlined production. With CoroPlus® MachiningInsights, you get instant access to your machine performance and the opportunity to optimize your production processes. The solution allows you to collect data, gain insights and take action to optimize and improve.

The solution is available in selected markets.  
[sandvik.coromant.com/machininginsights](http://sandvik.coromant.com/machininginsights)





# Get started today

New digital solutions in tooling and machine tool solutions is changing manufacturing. Fueled by data and connectivity, this change is set to transform the way we conduct industrial production. CoroPlus® solutions allow you to take your next step into digital machining and industry 4.0, regardless if that step is connecting one machine, finding the right cutting data quicker or if you seek to make greater efficiency gains throughout an entire factory.

Read more about what CoroPlus® can offer you on the Sandvik Coromant website and explore the interactive presentation on [coroplus.sandvikcoromant.com](https://coroplus.sandvikcoromant.com)

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