



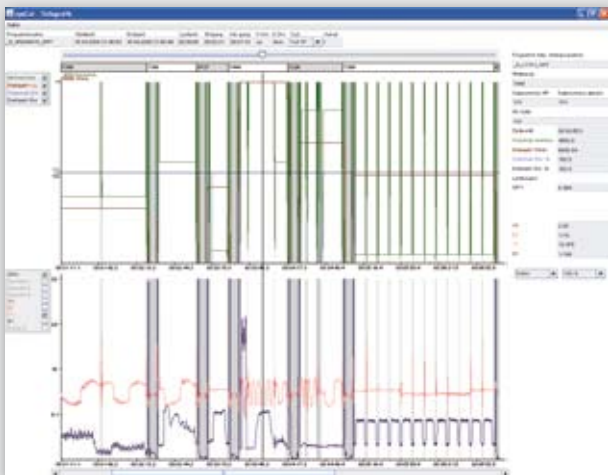
Comara
Intelligent Cutting

New Angles
*sysCut - the key to greater transparency
and productivity when machining*

sysCut
COMARA®

Analyse, design, control

To achieve maximum effect when striving to reduce manufacturing costs and boost productivity, it is necessary to start at the very beginning of the production process, ideally on the production line. Obtain information about the production status and history at a glance. You can track what, when, where, how and in what time span production ran or when it will become active, down to the smallest detail. Analysis and reports focus your attention on the key indicators of past, present and future company performance.



From both a technical and business management perspective, time to market is playing an increasingly important role. Ever shorter product lifecycles are an important factor in this development. Tool-centric analysis of processing peaks, potential for optimization, wear and tear and process reliability can be performed at the touch of a button with sysCut, thereby helping to cut production start-up times considerably (programming, set-up, running in, producing).

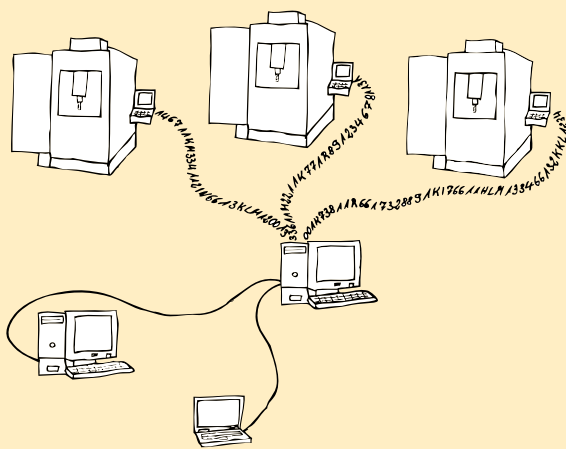
Machine	Program	CM-Start	Access-Point	End-Point	End-Point	End-Point
MELB001	_A_MELB001.MPF	1:00:00	1:00:00	1:00:00	1:00:00	1:00:00
MELB002	_A_MELB002.MPF	1:00:00	1:00:00	1:00:00	1:00:00	1:00:00
MELB003	_A_MELB003.MPF	1:00:00	1:00:00	1:00:00	1:00:00	1:00:00
MELB004	_A_MELB004.MPF	1:00:00	1:00:00	1:00:00	1:00:00	1:00:00
MELB005	_A_MELB005.MPF	1:00:00	1:00:00	1:00:00	1:00:00	1:00:00
MELB006	_A_MELB006.MPF	1:00:00	1:00:00	1:00:00	1:00:00	1:00:00
MELB007	_A_MELB007.MPF	1:00:00	1:00:00	1:00:00	1:00:00	1:00:00
MELB008	_A_MELB008.MPF	1:00:00	1:00:00	1:00:00	1:00:00	1:00:00
MELB009	_A_MELB009.MPF	1:00:00	1:00:00	1:00:00	1:00:00	1:00:00
MELB010	_A_MELB010.MPF	1:00:00	1:00:00	1:00:00	1:00:00	1:00:00
MELB011	_A_MELB011.MPF	1:00:00	1:00:00	1:00:00	1:00:00	1:00:00
MELB012	_A_MELB012.MPF	1:00:00	1:00:00	1:00:00	1:00:00	1:00:00
MELB013	_A_MELB013.MPF	1:00:00	1:00:00	1:00:00	1:00:00	1:00:00
MELB014	_A_MELB014.MPF	1:00:00	1:00:00	1:00:00	1:00:00	1:00:00
MELB015	_A_MELB015.MPF	1:00:00	1:00:00	1:00:00	1:00:00	1:00:00
MELB016	_A_MELB016.MPF	1:00:00	1:00:00	1:00:00	1:00:00	1:00:00
MELB017	_A_MELB017.MPF	1:00:00	1:00:00	1:00:00	1:00:00	1:00:00
MELB018	_A_MELB018.MPF	1:00:00	1:00:00	1:00:00	1:00:00	1:00:00
MELB019	_A_MELB019.MPF	1:00:00	1:00:00	1:00:00	1:00:00	1:00:00
MELB020	_A_MELB020.MPF	1:00:00	1:00:00	1:00:00	1:00:00	1:00:00

Another key factor in success is interdisciplinary communication between all parties involved in the value-added process. sysCut provides data and information for scheduling, production, quality management, controlling and suppliers (of machine tools, tools and unmachined parts), which facilitate a new, more effective way of working.

Input / Output

The ratio between input and output, or productivity, is one of the most important reference values within a company.

But what is the actual situation? Where can improvements begin to be made? What are the relevant influencing factors and parameters? How can the complex relationships you deal with on a daily basis be made transparent? What will actually be achieved as a result of actions taken? Will the outcomes be replicable, measurable improvements? Or might actions sub-optimize processes if success in one area is attained at the expense of performance in another?



sysCut PES (*Process Executing System*) from Comara is a software solution that helps you answer these questions. sysCut facilitates the automatic acquisition and structuring of process data from machining. With direct access to CNC controls that supply data, a comprehensive amount of information – ranging from an enterprise-wide perspective on an abstract level to detailed views of individual machines and tools – is tapped and made available to the right place in the company. This improves transparency, control and cooperation within the company along the entire value

chain based on the most up-to-date production data from individual machining processes. sysCut helps companies to make the right decisions for success by connecting scheduling, production, quality management, controlling and suppliers (of machine tools, tools and unmachined parts). It facilitates methodology and targeted processes, leading to shorter throughput times, lower production costs, increased product quality and faster implementation of improvements.

Comara provides intelligent solutions covering all aspects of the cutting process to meet the needs and requirements of you and your company. Services extend from analysing the initial situation through to the design and implementation of your specific software solution. Offering tailored advice and realizing projects successfully is what drives us, backed by a raft of services both pre- and post-implementation. We specialize in all machining issues, know your business and have solutions that will optimize your value-added processes. We are also highly flexible and responsive. We can support you in terms of scheduling and in the run up to production, as well as advising on process optimization and sharing our production expertise.

Overview

Features of sysCut:

Visualizes production status and history

Generates KPIs (Key Performance Indicators) based on process data:

- OEE (Overall Equipment Effectiveness)
- Six Sigma
- BSC (Balanced Scorecard – process perspective)

Tracks what, when, where and in what time span production ran, down to the smallest detail

Ascertain availability, usage level and failure rates

Organizational, technical and maintenance downtime recognition

Target vs. actual comparisons, locating weak points

Comparative reviews of parts, machines, areas or locations

Cost-efficiency calculations, reviewing capacity and investment decision-making based on high-quality actual data from value-added processes

Part- and tool-centric analysis of processing peaks, potential for optimization, wear and tear and process reliability

Analysis and recognition of machining issues based on sound, documented and quantifiable process data

Shows for each NC program how much is cut in air and how much is machined effectively

Aspects for optimization

Documentation of safety parts (aviation and automotive industries, medical technology)

and much more...

Make optimal use of resources

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We are glad to help you with your questions. We can support you in terms of scheduling and in the run up to production, as well as advising on process optimization and sharing our production expertise.

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