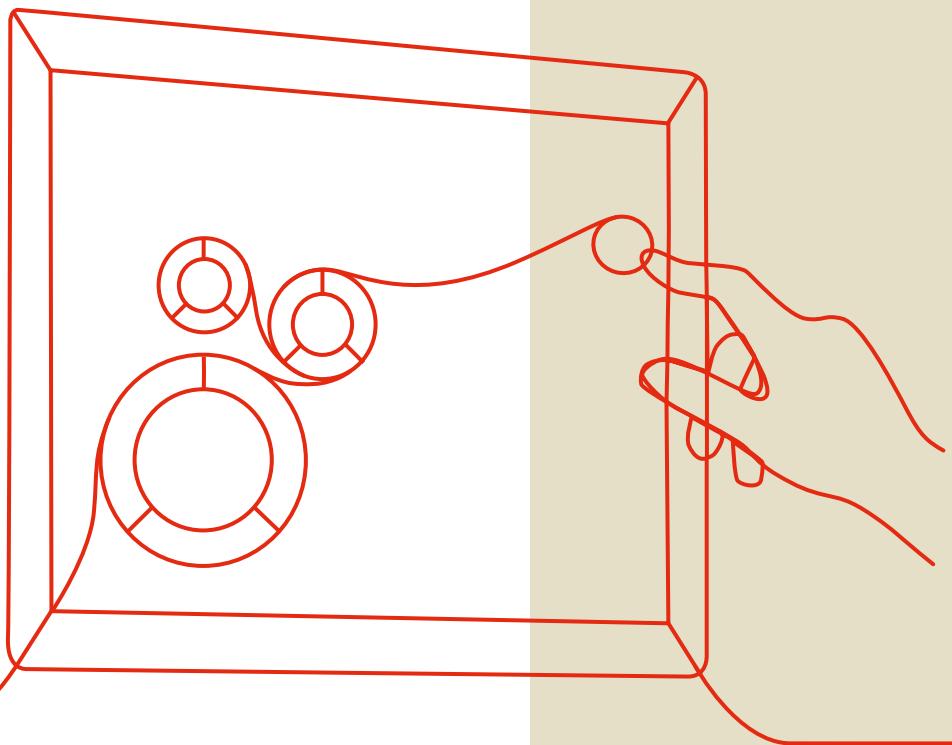


**Bystronic**



# Software

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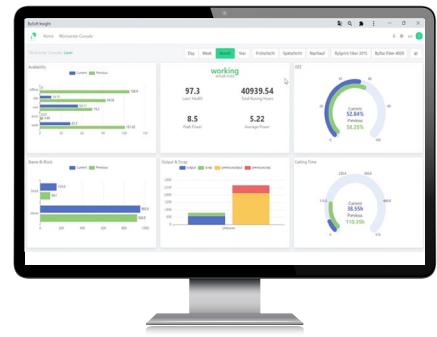
[bystronic.com](http://bystronic.com)

# BySoft Insight Work Center Console



Boost your production output.

The **BySoft Insight Work Center Console** allows you to access detailed data from all your work centers. In this way, you always know what is going on on your shop floor. The Work Center Console monitors and analyzes the data and informs you about measures you can take to optimize your production output.



## Your benefits

### 01 Objective data at your fingertips

Base your decision-making on real-time information about all your work centers in order to boost your productivity.

### 02 Unleash untapped potential

Assess your KPIs and analyze each stage of your production process to unleash untapped optimization potential.

### 03 Monitor deviations from the plan

Monitor and assess your production to identify and minimize deviations from the plan.



**BySoft**

Bystronic Software Suite

## Your features



### Simple access to information

The BySoft Insight Work Center Console connects to Bystronic and third-party systems to obtain information on capacity, idle times, and why they occur, in order to help you make informed decisions that boost your productivity.



### Standardize and assess KPIs

Utilize objective data from your work centers to gain insights and compare the efficiency of your machines.



### Analyze each stage of your production process

Gain an overview over what is going on at your individual machines and adapt your workflows to respond to your customers' changing needs.

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**BySoft**

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# BySoft Insight Shop Floor Console



Analyze your production.

The **BySoft Insight Shop Floor Console** allows you to analyze the performance of your production as a whole. Access a wide range of parameters to find out how efficient your production workflows are and how you can improve them.



## Your benefits

### 01

#### Keep an eye on your shop floor

Analyze your production as a whole and access detailed information about all your manufacturing workflows.

### 02

#### Optimize your production to ensure everything is going to plan

Base your decisions on in-depth analyses to ensure you always stay ahead of the changing needs of the market.

### 03

#### Continuously improve your productivity

Compare your planned and actual output and analyze every step of your production process to expose untapped improvement opportunities.



**BySoft**

Bystronic Software Suite

## Your features



### Connect to BySoft Shop Floor

Access a wide range of data to help you ensure your decisions are based on what is actually happening on your shop floor.



### Base your planning on data

Analyze the data from your shop floor to ensure you make the right decisions to maximize your output.



### Access reports via a single interface

Use a single interface to access current and historical KPIs in order to analyze and improve the performance on your shop floor.

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**BySoft**

Bystronic Software Suite



# BySoft Insight Business Console

Make decisions that help your business grow.

The **BySoft Insight Business Console** helps you gain an overview over your operations in terms of finances, resources, processes, and sales. Utilize data from every area and level of your organization in order to continuously adapt to the needs of the market.



## Your benefits

01

### Make decisions based on objective data

Analyze each business area and adapt to the changing needs of the market. The BySoft Insight Business Console provides you with the information you need so you can focus on decision-making.

02

### Analyze your business development

Put your data to work and maintain an overview over your operations. Identify deviations from the plan and find out why they occurred.

03

### Make your operations more profitable

From raw material costs right through to lead times and profit margins – gain a comprehensive overview over what is happening in your business, to ensure you make the right decisions to boost your profitability.



**BySoft**

Bystronic Software Suite

## Your features



### Connect to BySoft Business

The simple integration process enables you to access a wide variety of data from all areas of your operations.



### Access KPIs and analyze your performance

Access reports and look up historical data using a single interface.



### Access data at any time from any device

Make decisions whenever and from wherever you want. View the latest information about your business at a glance from any internet-enabled device.

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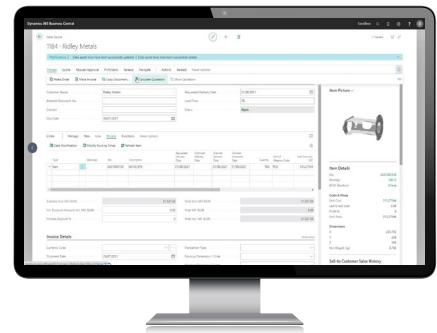
Bystronic Software Suite

# BySoft Business Sales



Take full control of your sales process from the quotation right through to shipping.

**BySoft Business Sales** enables you to control the value creation of your sheet metal processing operations. This solution enables you to calculate quotations quickly, easily, and accurately. Simply follow the intuitive workflow from the CAD design all the way through to the production costs and the sales price. Access the part design and product structure using a single interface.



## Your benefits

### 01 Make informed marketing and sales decisions

Manage the sales trends, opportunities, and leads of your sheet metal processing services.

### 02 Always make the best quotation for your business

BySoft Business Sales allows you to simulate a variety of cost scenarios before you send off your quotations.

### 03 Calculate quickly and accurately

Ensure you take account of all the operations necessary to produce the end product.



# BySoft

Bystronic Software Suite

## Your features



### Work on designs within a single environment

BySoft Business Sales allows you to import a wide range of CAD file formats and create a BOM structure in the system.



### Easily obtain different cost scenarios

Simulate different cutting and bending strategies based on the capacities of your machines, and ensure you choose the best option for your business.



### Calculate the costs of your offer

The system estimates the material and processing time required for the job and provides you with a precise calculation of the costs.

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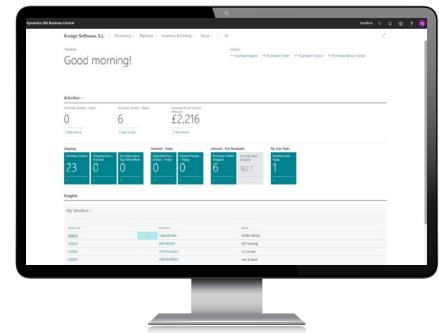
Bystronic Software Suite



# BySoft Business Purchasing

Manage your procurement and control the end-to-end process.

**BySoft Business Purchasing** is a solution for the holistic management of procurement processes specifically designed for the sheet metal processing industry.



## Your benefits

### 01 Control the purchase of raw materials

Straightforward management of the procurement of raw materials for your production needs.

### 02 Only purchase what you actually need

Ensure your stocks are in line with your sales.

### 03 Monitor the impact of procurement on your operations

Gain insights into how your purchasing affects your finances and your business flows.

### 04 One system to manage both stock and purchases

BySoft Business Purchasing seamlessly integrates with BySoft Business Inventory to eliminate the risk of data inconsistencies.



# BySoft

Bystronic Software Suite

## Your features



### Ensure you always have the materials you need

Monitor your requirements and determine precisely how many units of each material you need.



### Manage your sheet metal and profiles

Comprehensive management of the properties of your materials in stock, for example with regard to quality, length, width, thickness, etc.



### Purchase raw materials depending on confirmed sales

Initiate orders of materials for your scheduled jobs and keep your stock in balance with your sales.



### Keep an overview using a single system

Control all the operations in connection with your company's procurement from a single platform.

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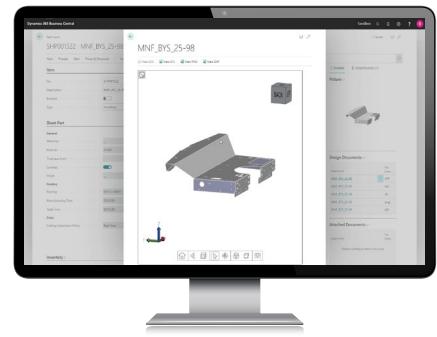
Bystronic Software Suite



# BySoft Business Manufacturing

Full control over your manufacturing processes.

**BySoft Business Manufacturing** is the most comprehensive production control solution specifically for the sheet metal processing industry. Tap into the benefits of the digital operating platform embedded within BySoft Business, offering you all the functions you need to manage your sheet metal processing operations.



## Your benefits

### 01 Streamlined manufacturing processes

Access your production planning at any time and modify it according to your individual requirements.

### 02 Proactive decision-making

Digitalized process management enables you to make decisions based on data, so you no longer have to rely on mere guesswork.

### 03 Boost your productivity

Utilize detailed information about your manufacturing status to prevent bottlenecks and optimize your schedules in order to boost your output.

### 04 Production planning

Optimize your planning based on criteria specifically developed for the sheet metal processing industry, allowing you, for example, to generate planning groups sorted by materials and thicknesses.



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## Your features

			
<b>From parts to assemblies</b>  Manage production from simple parts to complex assemblies thanks to a flexible BOM structure that allows you to control raw materials, items, and operations.	<b>Keep your costs on track</b>  Compare estimated and actual manufacturing costs in order to identify and analyze cost deviations.	<b>Always deliver on time</b>  Utilize the cutting and bending job management features to ensure you always have the necessary resources to meet your production schedule.	<b>Cutting, bending, and beyond</b>  The MRP engine enables you to cover the entire range of sheet metal processing steps downstream of cutting and bending.

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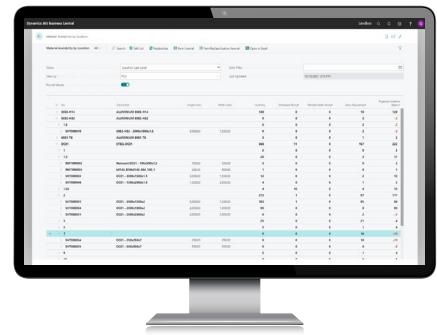
Bystronic Software Suite



# BySoft Business Inventory

Manage your inventory and control your intralogistics processes.

**BySoft Business Inventory** streamlines the management of your stock and simplifies tedious physical inventories, allowing you to easily keep track of all your raw material.



## Your benefits

### 01 Continuous warehouse supervision

Synchronize your inventory and physical warehouses using an agile and user-friendly stock management process.

### 02 Check the availability of items with a single click

The intuitive interface enables you to obtain the information you need without requiring complex processes.

### 03 Anticipate future needs

Purchase materials based on the inventory backlog and upcoming jobs in order to eliminate the risk of stock outages.

### 04 Make data-based decisions to adapt to changing circumstances

Analyze the historical data, verify the current state of your warehouse, and update your purchase order book to define your future raw material needs.



**BySoft**

Bystronic Software Suite

## Your features



### Inventory adapted to your business

Gain an overview over your stock and analyze it according to locations and raw material properties, such as thickness, material quality, etc.



### Ensure stock accuracy

Keep track of and manage the jobs in progress, check stock levels, and book upcoming manufacturing jobs while your inventory is automatically updated.



### Streamline data collection and simplify accounting

Speed up the data gathering process and simplify accounting procedures and data verification.



### Seamless integration with your shop floor

Integration of your shop floor terminals that manage material and WIP logistics.

<b>Inventory adapted to your business</b>  Gain an overview over your stock and analyze it according to locations and raw material properties, such as thickness, material quality, etc.	<b>Ensure stock accuracy</b>  Keep track of and manage the jobs in progress, check stock levels, and book upcoming manufacturing jobs while your inventory is automatically updated.	<b>Streamline data collection and simplify accounting</b>  Speed up the data gathering process and simplify accounting procedures and data verification.	<b>Seamless integration with your shop floor</b>  Integration of your shop floor terminals that manage material and WIP logistics.

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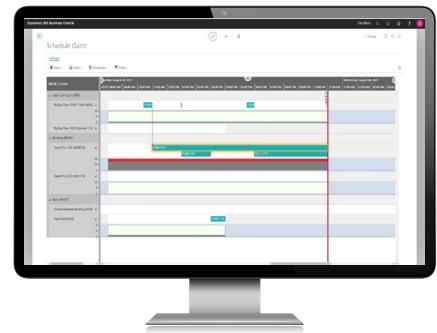
Bystronic Software Suite

# BySoft Business Scheduling



Advanced production planning.

**BySoft Business Scheduling** plans the jobs that are to be processed at each work center. If you have already activated BySoft Business Manufacturing, the addition of this module allows you to unleash its full potential by permitting detailed planning.



## Your benefits

### 01 Optimize planning

Simply add production orders using the drag-and-drop interface to update all the operations involved in the manufacturing process.

### 02 Supervise your production workflow

Access the details of each order with a single click and view all the operations involved. Always keep an overview over precisely which operations are required to complete your jobs.

### 03 Improve your production performance

Monitor the workload of your work centers and minimize both bottlenecks and idle times between jobs.



**BySoft**

Bystronic Software Suite

## Your features



### Manage your production constraints

Obtain a comprehensive overview over every individual order and identify all the related operations to keep control over the critical chain.



### Simply drag-and-drop

Simply use the drag-and-drop feature to assign production orders to your work centers. Once an order has been added, all the related operations are automatically updated and appear in the planning schedule.



### All the relevant information at your fingertips

Use filters to display precisely the data you need and obtain comprehensive details on any order.



### Optimize your lead times

Group and organize jobs according to different criteria in order to optimize your lead times. The integration with your shop floor systems allows you to continuously monitor progress.

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**BySoft**

Bystronic Software Suite



# BySoft Shop Floor Inventory

Manage your inventory and keep track of your raw material.

**BySoft Shop Floor Inventory** streamlines your inventory management and simplifies your stock control, regardless of whether you operate automatic or manual warehouses.



## Your benefits

01

### Continuous warehouse supervision

Thanks to a flexible and user-friendly stock intake workflow, you always have access to reliable information about the inventory on your shop floor.

02

### Get the most out of your inventory

BySoft Shop Floor Inventory helps you optimize your cutting processes by obtaining information on your future stock requirements to eliminate the risk of unforeseen stockouts.

03

### Integrate your warehouse management with other systems

Connect your shop floor inventory to your MRP system to secure the data flow in your sheet metal processing environment.

04

### Check item availability with a simple click

The simple interface enables you to access valuable information about your inventory without requiring complex processes.



**BySoft**

Bystronic Software Suite

## Your features



### Keep an overview over your inventory

Visualize your inventory according to raw material, dimensions, or physical location. Gain an overview over individual warehouses, regardless of whether they are manual and automatic.



### Seamless synchronization

Integration with BySoft Shop Floor Plan offers you an overview over current and upcoming jobs on the shop floor. Manage your raw material needs in advance and take account of current stock to avoid potential future stockouts.



### Integration of automatic storage solutions

The integration of Bystronic's automatic storage solutions provides real-time information on the available stock. If required, users can manually input materials that enter or leave storage, and the information is automatically synchronized with BySoft Shop Floor Inventory.



### ERP integration

BySoft Shop Floor Inventory sends material consumption and stock data to your ERP and updates itself based on raw material entries carried out in the ERP system.

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**BySoft**

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# BySoft Shop Floor Plan

The innovative tool that helps you plan and run your complex shop floor.

**BySoft Shop Floor Plan** allows you to automatically and efficiently plan laser cutting, bending, and other manufacturing processes. Manage your sheet metal processing operations from end to end. Whether you are starting out small or running countless production processes, BySoft Shop Floor Plan expands as your production grows.



## Your benefits

01

### Your smart factory enabler

BySoft Shop Floor Plan is a unique tool that enables you to interlink your business and shop floor processes. Consolidate and integrate your ERP information into the specific processes of the sheet metal industry.

02

### Increase the efficiency on your shop floor

BySoft Shop Floor Plan allows you to optimize your shop floor plans by utilizing information from BySoft CAM and offering a holistic view of your sheet metal processing workflows.

03

### Always deliver on time

Visual planning aids help you decide which jobs should be allocated to which work center. Balance workloads and reorder priorities, taking account of the current status of your shop floor to ensure that you always meet your deadlines and deliver on time.

04

### End-to-end management of your sheet metal processing workflows

BySoft Shop Floor Plan allows you to manage Bystronic sheet metal and tube laser systems and bending machines, third-party machines, and manual manufacturing processes, such as drilling, refurbishing, painting, welding, assembling, and packing. In this way, you control your entire production process from end to end.



**BySoft**

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## Your features

			
<b>Manage manufacturing orders</b>  BySoft Shop Floor Plan allows you to handle your manufacturing orders, assigning relevant information such as customers, delivery date, manufacturing steps, or required raw material.	<b>Synchronization with BySoft CAM</b>  Seamless integration with BySoft CAM for the editing and programming of parts prior to cutting and bending by Bystronic machines.	<b>Integration of Bystronic machines</b>  BySoft Shop Floor Plan connects to your Bystronic machines in order to provide real-time information on the status and progress of your jobs. Dynamically allocate the workload and access relevant details such as processing times and quality.	<b>ERP connection</b>  Automatically access all the production orders from your ERP, retrieving the necessary details to create plans, and enter relevant information into the ERP to provide valuable operational information for future analyses.

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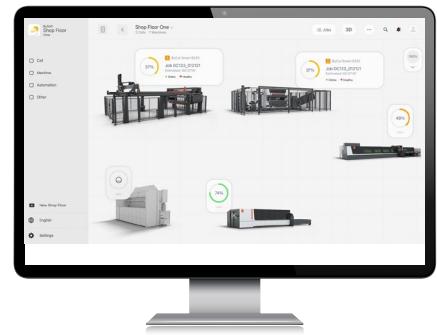
Bystronic Software Suite

# BySoft Shop Floor View



Your production insights at a glance.

**BySoft Shop Floor View** offers you a global view of what is going on on your shop floor. Supervise your entire sheet metal processing operations using a powerful tool.



## Your benefits

01

### Maintain an overview over your machine status and production in real time

With BySoft Shop Floor View, you can check the status of your machines and receive alerts when they are idle or if a problem occurs, which allows you to react quickly and always keep your production on track.

02

### Monitor your production progress

BySoft Shop Floor View reports the work in progress of each machine and the entire production flow. Obtain an overview of the already produced parts and the upcoming jobs to be processed by each work center, and identify potential bottlenecks or production delays.

03

### Plan your consumption to ensure you can always deliver on time

Thanks to a visual overview of the production flow and the upcoming jobs of each work center, you always know in advance how much raw material will be required, so you can ensure you always have sufficient stock and can always deliver on time.

04

### Keep track using any device and from anywhere

BySoft Shop Floor View is a web application that you can access anytime, anywhere, and using any internet-enabled device (PC, laptop, tablet, etc.).



**BySoft**

Bystronic Software Suite

## Your features



### Comprehensive overview of your shop floor

Import your shop floor layout to gain a true-to-life view of the work centers on your shop floor. BySoft Shop Floor View provides a comprehensive overview over all your production processes, including those of third-party machines and manual processes.



### Monitor the progress of your production jobs

Monitor the progress of the ongoing jobs at each work center and receive alerts in the event of problems or time delays. Any errors detected at the machines are automatically reported in BySoft Shop Floor View.



### View the job details of your work centers

Ensure job traceability and access detailed information on ongoing or queued jobs for all your work centers, such as materials, thicknesses, estimated delivery dates, dependencies, etc.



### Monitor the production flow

Visualize the entire production flow of the jobs that are currently being processed on your shop floor. Enhance your tracking and monitor all the production steps in connection with individual jobs.

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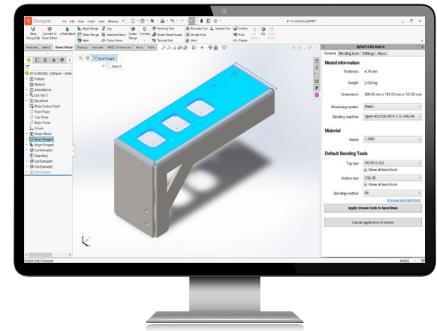
Bystronic Software Suite

# BySoft CAD Designer



Get your designs ready for CAM.

**BySoft CAD Designer** is a comprehensive 3D design system that allows you to import, design, and review your parts and assembly designs, regardless of the input file format and the complexity of the design.



## Your benefits

01

### Efficient 3D designing

Easy-to-use parametric design module that enables you to edit designs at any stage of the process. Define specific properties and machining rules before sending your designs to CAM.

02

### Built-in applications

BySoft CAD Designer is a highly productive 3D CAD software integrated into the BySoft Software Suite. It allows the exchange of the designs between different systems in any phase of your workflow.

03

### Compatibility with customers and suppliers

BySoft CAD Designer is based on SolidWorks®, one of the most widely used CAD solutions in the industry. This eliminates the need to convert files from one format to another, which reduces sources of error and streamlines your collaboration with customers and suppliers.

04

### Specifically designed for sheet metal processing

BySoft CAD Designer ensures the manufacturability of your designs and thus minimizes potential design errors.



**BySoft**

Bystronic Software Suite

## Your features



### 3D CAD designs

Import a wide range of file formats and quickly and efficiently create complex part and assembly designs.



### Parts and assembly modeling

Powerful and flexible 3D modeling tools cover a comprehensive range of design tasks and enable you to rapidly develop your product concepts.



### Integration with BySoft CAM

The BySoft CAD Designer integrates with BySoft CAM technology, which allows you to unfold and prepare your 2D drawings for cutting and bending by Bystronic machines.



### Design validation

Verify the design of your parts to ensure they can actually be manufactured and assembled before the production process even begins.

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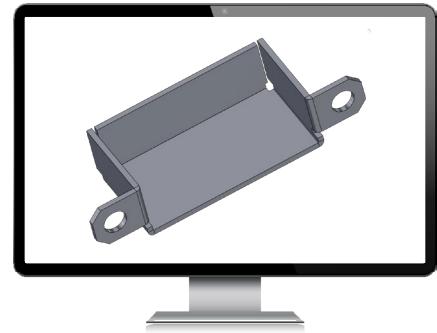
Bystronic Software Suite



# BySoft CAD SolidWorks® Add-in

Get your SolidWorks® designs ready for BySoft CAM.

The **BySoft CAD SolidWorks® Add-in** is the ideal ingredient to add to your 3D CAD design environment. Validate your designs for the sheet metal manufacturing process.



## Your benefits

01

### Efficient 3D design

Seamlessly integrate your SolidWorks® package into BySoft CAM and define comprehensive bills of materials by disassembling each part.

02

### Built-in application

The BySoft CAD SolidWorks® Add-in is a built-in application from the SolidWorks® platform that allows you to utilize all the benefits of the SolidWorks® CAD system, integrating leading sheet metal industry tools into your workflow.

03

### BySoft CAM compatibility

The SolidWorks® Add-in simplifies your design process by reducing the number of necessary tools. Transfer your design to the CAM in just a few efficient steps.

04

### Industry-specific features

The SolidWorks® Add-In unifies design tools and sheet metal industry utilities in a single environment in order to ensure the manufacturability of your designs and thus minimize design errors.



**BySoft**

Bystronic Software Suite

## Your features



### Integration with BySoft CAM

The integration with BySoft CAM allows you to unfold designs and prepare your 2D drawings for cutting and bending by Bystronic machines.



### Elimination of design deviations between systems

Ensure that any design changes are applied throughout your business flow.



### Parts and assembly modeling

Flexible 3D modeling tools cover a comprehensive range of design tasks and help you to rapidly develop your product concepts.



### Design validation

Verify the design of your parts to ensure they can be manufactured and assembled before even launching the production process.

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**BySoft**

Bystronic Software Suite

# BySoft CAD Importer



Import a wide variety of native CAD file formats into BySoft CAM.

**BySoft CAD Importer** allows you to import designs from your customers or in-house designers without losing any detail in order to create the cutting, bending, and tube jobs to manufacture the parts.



## Your benefits

01

### Work without a CAD package

BySoft CAD importers allow you to seamlessly import the most widely used native CAD file formats into BySoft CAM.

02

### Eliminate the need for CAD converters

Any CAD conversion process can result in data loss or misinterpretations due – a potential source of errors that is eliminated by importing directly into BySoft CAM.

03

### Ensure compatibility with customers and providers

Customers and suppliers frequently work with a wide range of CAD systems. BySoft CAD importer can handle all of the most widely used CAD formats in the industry.

04

### Get the design right

BySoft CAD Importer is based on technology that understands a wide range of file formats natively, allowing it to always ensure the correct interpretation of the designs and you to easily modify them once they have been imported.



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Bystronic Software Suite

## Your features



### Support a wide range of CAD formats

BySoft CAD Importer allows you to import a wide range of formats such as: STEP, IGES, SAT/ACIS®, Inventor®, Solid Edge®, SOLIDWORKS®, Parasolid®, Catia® V4/ V5/V6, PTC Creo®/ProENGINEER®, Unigraphics®, IFC, DSTV, PRC, VDAFS.



### Import individual parts or entire assemblies

BySoft CAD Importer can import all the items included in your file – regardless of whether it is a single part or a complex assembly and whether the order involves the processing of sheet metal (cutting and/or bending) or tubes.



### Integration with BySoft CAM

BySoft CAD Importer integrates seamlessly with BySoft CAM and allows you to import files and prepare them for production in just a few simple steps.

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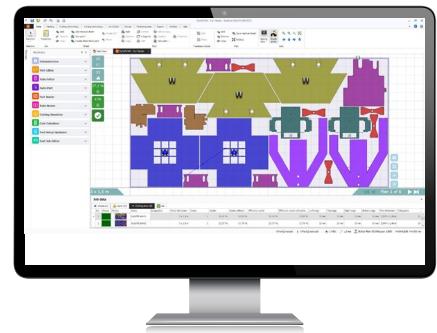
Bystronic Software Suite

# BySoft CAM Cut



The best choice for your advanced Bystronic laser cutting machines.

**BySoft CAM Cut** ensures that your Bystronic laser cutting system achieves maximum performance. Gain access to the most advanced tool for the preparation of cutting jobs, which is fully compatible with your Bystronic machines. Take the first step on your path towards the smart factory.



## Your benefits

01

### A unique CAM tool

Control all your cutting jobs for Bystronic machines using a single tool. Take your cutting programming to the next level.

02

### Make complexity simple

Create cutting plans in just a few seconds. BySoft CAM turns even users with limited experience into programming professionals. BySoft CAM helps you get your machine up and running in next to no time – while offering many of the most advanced features in the industry.

03

### Reduce costs

BySoft CAM is equipped with the most advanced nesting algorithms that reduce your parts costs by maximizing raw material utilization.

04

### Cut and bend

Thanks to the seamless integration between BySoft CAM Cut and BySoft CAM Bend, the system can handle cut-bend technologies with ease and transparency.



**BySoft**

Bystronic Software Suite

## Your features



### Integration with BySoft CAD

BySoft CAM is fully integrated with the BySoft CAD family of products and allows you to import files to prepare your cutting plans in just a few simple steps.



### Collision prevention

BySoft CAM Cut is equipped with state-of-the-art functions that defines the cutting sequence to prevent collisions and even takes account of potential tilted parts.



### Reduce the number of plans

BySoft CAM Cut has an integrated function that searches for solutions that reduce the number of different plans. Without this function, even the best nesting solution is not necessarily the most efficient.



### Advanced nesting options

Adapt the nesting strategy based on the priority of the parts, or define the nesting direction to suit your requirements.

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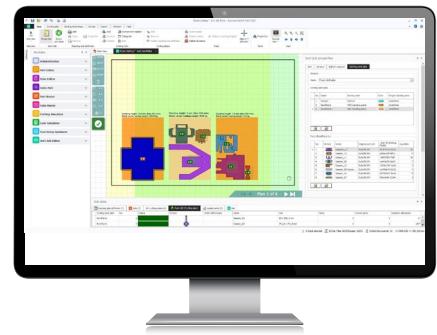
Bystronic Software Suite

# BySoft CAM Cut – Sort



The best choice for your advanced Bystronic automated sorting solution.

**BySoft CAM Cut – Sort** is compatible with all Bystronic automated sorting solutions and ensures that they achieve optimal performance. This module integrates with BySoft CAM Cut and provides the most advanced tools for the preparation of sorting jobs.



## Your benefits

01

### Integration with BySoft CAM Cut

BySoft CAM Cut – Sort is fully integrated into the BySoft CAM product family and allows you to prepare your sorting jobs based on your cutting plans.

02

### Compatible with all of Bystronic's sorting solutions

BySoft CAM Cut – Sort is compatible with all of Bystronic's sorting solutions and helps you determine the most efficient configuration for your requirements.

03

### Optimize your production batches

BySoft CAM Cut – Sort allows you to plan production batches and adapt the production cycle duration to your needs.



**BySoft**

Bystronic Software Suite

## Your features

	<b>Optimize sorting for down-stream processes</b>  Operation-oriented sorting allows you to sort the parts on different stacks based on how the next process needs them.		<b>Tool station management</b>  Set up dedicated sorting tool stations (instead of utilizing the maximum number of usable tools per sorting job).		<b>Stack stability warnings</b>  The system warns about and prevents unstable stacks, for example due to excessive height or when stacking narrow parts, factoring in potential shocks and inclination.		<b>Bulk sorting containers</b>  In addition to stacking on pallets, BySoft CAM Cut – Sort also supports bulk sorting containers.		<b>Gripper configuration</b>  BySoft CAM Cut – Sort allows you to define any type of gripper tool, for example with suction cups arrays that can be individually controlled using multiple valves and moved along the x and y axes.
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**Experience it live!**

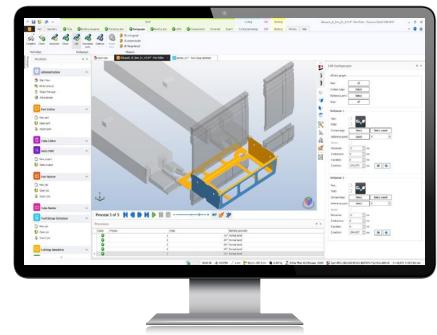
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# BySoft CAM Bend



The best choice for your advanced Bystronic bending machines.

**BySoft CAM Bend** ensures that your Bystronic bending machine achieves the highest possible performance. With this solution, which is compatible with all Bystronic bending machines, you gain access to the most advanced tool for the preparation of bending programs and take the first step on your path towards the smart factory.



## Your benefits

01

### A unique CAM tool

BySoft CAM Bend is a fully integrated part of the BySoft CAM family that allows you to import files and prepare your bending jobs in just a few steps.

02

### Make complexity simple

Create machine programs in a matter of seconds. BySoft CAM Bend turns even users with limited experience into programming professionals. BySoft CAM is one of the most comprehensive CAM packages that enables you to put your machine into productive operation in next to no time.

03

### Reduce bending programming time and avoid collisions and errors

BySoft CAM Bend speeds up your bending job preparation by defining and proposing bending sequences, back gauge positions, and tooling plans. And the simulation of the entire bending sequence enables you to prevent collisions and costly errors.

04

### Optimize setup times

Optimize setup times when manufacturing multiple bent parts. BySoft CAM Bend calculates and proposes the ideal processing sequence.



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## Your features



### Advanced editing functions

The part editor and the bending advisor are integrated into one tool, so you can easily



### Smart automatic bending technology

Powerful algorithms automatically select the optimal bending technology, such as tools, bending sequence, tool setup and back gauge positioning, generating the part in a fast and simple workflow.



### Customized to your needs and know-how

Define the parameters to suit your needs and know-how. During each step, your settings are verified to ensure that the part that is to be bent can actually be produced within the working range of your bending machine and without causing collisions.



### Connected to Bystronic machines

The bending program can be exported directly to the machine for processing, eliminating the need for machine-specific adaptations and adjustments.

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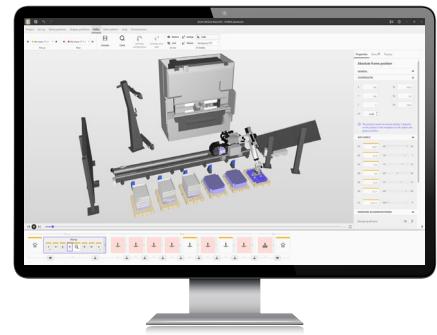
Bystronic Software Suite

# BySoft CAM Bend – Robot



Make automated bending easy and extend BySoft CAM Bend with robot programming features.

**BySoft CAM Bend – Robot** is an intuitive, high-performance programming solution for automated bending cells that allows you to simulate and run the robotics that are integrated into Bystronic's bending automation solutions.



## Your benefits

01

### No robotics expertise required

Integrated programming of robots and parts that are to be bent.

02

### Short learning curve

Process-oriented and intuitive operator guidance enables you to quickly create robot programs.

03

### No more blind data

Every change you make to the program is reflected in the 3D viewer allowing you to predict the impact on the overall process.

04

### Prevent collisions

Efficient generation of programs thanks to automated programming procedures and integrated collision-check functions.

05

### Maximize the output of your automated bending cell

Optimize the bending process even for small production batches to ensure your bending cell achieves the highest possible level of productivity.



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## Your features



### Integration with BySoft CAM

Thanks to the integration into the Bystronic Software Suite ecosystem, BySoft CAM Bend in combination BySoft CAM Bend – Robot allows the user to control all the functions of your bending cell.



### Compatible with any Bystronic machine

The best system to program any bending cell in Bystronic's portfolio.



### Advanced simulation capabilities

Create and simulate the required automation steps within an offline programming environment, eliminating the need to interrupt production for parts tests and simulations.



### Advanced automated path features

BySoft CAM Bend – Robot automatically generates collision-free robot paths.

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# BySoft CAM Tube



The best choice for your advanced Bystronic tube cutting machines.

**BySoft CAM Tube** ensures you get the most out of your Bystronic tube cutting machine. Gain access to the most advanced tool for the preparation of tube cutting jobs, which is fully compatible with your machines. Take the first step on your path towards the smart factory.



## Your benefits

01

### Optimal execution of programming

If required, BySoft CAM Tube automatically programs your tube cutting plans. However, the flexible solution also allows experienced users can tweak the process to achieve precisely the results they are looking for.

02

### Compatible with third-party tube processing machines

BySoft CAM Tube offers a range of configurations that even support third-party tube processing machines, allowing you to reduce the number of different software systems on your shop floor and thus make your staff's life easier.

03

### Reduce costs

BySoft CAM Tube reduces parts costs by maximizing the raw material utilization, for example by rotating sections and parts and applying state-of-the-art nesting algorithms. By optimizing your raw material utilization, you not only reduce the costs per part but also make your company more sustainable.

04

### Get the most out of your machine

BySoft CAM Tube selects the optimal cutting technology and offers numerous additional functions to ensure reliable processes, perfect cutting results, and a high level of machine utilization.



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## Your features

				
<b>Tube nesting</b>  Choose the best tube nesting solution on the market optimized for multi-part nesting on multiple tubes. BySoft CAM Tube allows parts to be rotated around their axis and permits complete or partial common cuts.	<b>Shop floor documents</b>  The reporting module offers an overview over the most important information relating to the cutting programs, for example nesting layouts, quantities, and an accurate calculation of cutting times.	<b>Assembly management</b>  Add connections and automatically unfold tubes and profiles.	<b>Tube modeling</b>  Apply a wide range of 3D modeling options for any type of cross-section, automatically selecting the suitable machining technology for holes and bevels of any shape.	<b>Simplify complex programs</b>  BySoft CAM Tube automatically generates the cutting paths and enables you to utilize all the advanced functions of your Bystronic tube processing machine.

[Experience it live!](#)

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# BySoft Cell Control

Control your complete cell and standalone machines from a single interface and connect them to your smart factory ecosystem.

**BySoft Cell Control** collects all the relevant instructions and information relating to the jobs assigned to your work centers and gives real-time feedback on the current status. The system adapts when you install additional automation solutions, eliminating the need for new software and shortening your operators' learning curve.



## Your benefits

01

### Single point of access for the entire cell

Control the functions of all the modules that make up your production cell from a single touchscreen.

02

### Simple and intuitive user interface

Your operators benefit from a simple and streamlined user experience. And if you expand your production cell with additional automation modules, BySoft Cell Control simply adapts to the new functions.

03

### Paperless manufacturing

All the necessary information for the operator and any data reported from the cell is transferred digitally between the different systems, eliminating the need for paper on your shop floor.

04

### Streamlined job management

BySoft Cell Control can be used either for the management of the job queue or for the programming or modification of programs directly at the production cell. The job list is automatically organized, sequenced, and synchronized with your smart factory management system.



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## Your features

				
<b>Communication with your smart factory ecosystem</b>  BySoft Cell Control communicates with the rest of your smart factory ecosystem. Information is available directly at the machine or cell, and other systems can access the status, initiate operations, and gain an overview over what is going on on your shop floor.	<b>Manual optimization</b>  If required, the operator can adapt the settings directly at the machine, for example to change the processing material or sequence. In this way, operators can make quick changes and utilize their know-how to achieve optimal results.	<b>Manual input of additional data</b>  Additional information, for example on the quality of the manufactured parts, the cost of consumables, or the time required for manual operations relating to the process, can be manually entered into the system	<b>Monitor your production progress</b>  BySoft Cell Control allows you to track the progress of the execution plan, and check up on the operations of all the modules that make up the production cell.	<b>Take account of downstream production steps</b>  BySoft Cell Control also displays information on down-stream production steps to allow your operators to make decisions based on the entire process.

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