SWEBEND

PRECISION BENDING, SIMPLIFIED

CNC SYSTEM 7

POWERFUL, PRECISE & RELIABLE

THE SEVEN CNC SYSTEM

www.**swebend**.com

THE SEVEN CNC SYSTEM

SWEBEND'S CNC CONTROL SYSTEM

Increased material demands and tighter tolerances make bending more difficult. This increased difficulty calls for increased simplicity. Don't let the new exacting requirements constrain your production and creativity. Meet **SEVEN**, the most powerful CNC system with an intuitive, graphical interface

– it's the pure result of Precision Bending, Simplified.

THE POWER OF SEVEN

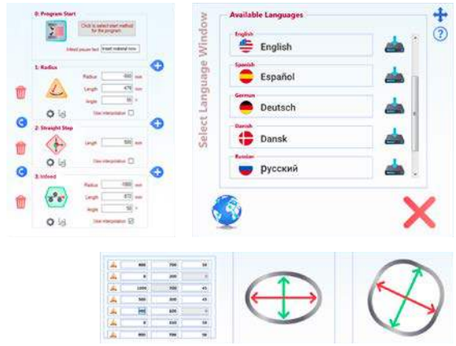
No two bending applications are alike, with factors like material size and thickness, mechanical properties, spring back, diameter, etc. affecting results. The SweBend **SEVEN CNC** control removes the guesswork, handling material variations for complete control over the rolling process. SweBend can optimize the number of CNC-controlled axes to meet your specific bending needs.

PERFECTLY MATCHED TO YOUR REQUIREMENTS

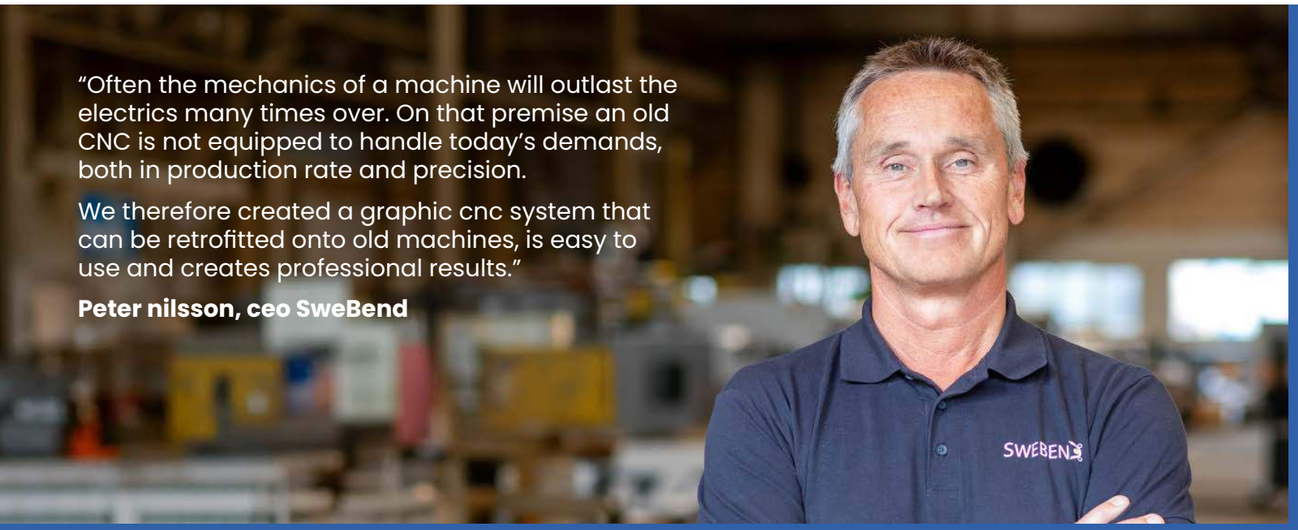
The **SEVEN CNC** control offers multiple versions to fit your needs, with options for CPU speeds, touchscreen sizes (6.5" to 19"), software features, and the number of CNC-controlled axes. Built with reliable components from Beckhoff of Germany, it ensures long-term stability and comes with TeamViewer support for programming and troubleshooting. It can also integrate auxiliary equipment like robots and material handling systems.

CHOOSE YOUR VERSION

The **SEVEN CNC** is available in several versions depending on your specific requirements. Choose from CPUs with differing processing speeds, touch screen monitors from 6.5" to 19", enhanced software features and the number of CNC-controlled axes.



Easy, user friendly graphical interface with templates to get you up and running fast.



STEP INTO THE 4TH INDUSTRIAL REVOLUTION

Humans talk, and so do machines. **SEVEN** is built to communicate with your production robots and systems. Write your own sequences with logics based on data from input & output from your machines, create unique workflows, interpolate with your production and create amazing results.

Tweak anything - tweak everything!

IRMA – YOUR PRECISION BENDING ASSISTANT

Material flaws are unpredictable, but IRMA, a radius adjustment tool, automatically corrects deviations for perfect shapes. It stores adjustments for consistent batches, improving precision and reducing scrap. With **IRMA**, one operator can manage multiple machines, increasing productivity.
The future of bending is yours.

4S – SHORT START AND STOP, LESS SCRAP

SweBend's unique technology for reducing the flat ends in automatic mode. This can save as much as 40% of the scrap compared to conventional automatic bending methods. Available for three roll machines only.

ADAM – THE AUTOMATED DESIGN ASSISTANT MANAGER

New clients and shapes demand planning, but ADAM streamlines the process. Design any shape, and ADAM will calculate, plan, and process it with ease. It handles multiple shapes, variations, and materials in sequence with minimal setup time. Boost your production rates with just one click.

SIMULATIONS – PRECISE PRODUCT PLANNING

As client demand and batch sizes grow, efficient workshop planning and time estimation become crucial. SEVEN simulator calculates cycle times, simulates programs in your chosen time scale, and provides key data for your bending operations.
Plan for the future — plan for success.

A TYPICAL THREE DAY CONVERSION

DAY ONE

The machine's functions are tested and verified. Data from the old system is read out if possible. The existing electrical cabinet is rebuilt and the control panel is swapped for the new one.

DAY TWO

The software is tuned to get the optimal results from the machine, both in speed and accuracy. Meanwhile, the operators are trained in programming the software.

DAY THREE

Training is completed and the operators are assisted writing some of the old programs into **SEVEN**.

A FEW OF OUR POPULAR ADDITIONS:

We continously add more functions, possibilities and adaptations to the SEVEN system. Ask us for more additions and information!

CNC FOR SUPPORT ROLLS & PINCHING ROLL

Support material automatically during rolling to minimize deformation and save time. Speed up loading/unloading with a movable lower pinching roll and improve precision with automatic pressure control.

CNC FOR EJECTION DEVICE

Save time and remove the need for an overhead crane by automatically ejecting the finished material. Also add an outfeed system to increase your production speed even more.

RUN SUBPROGRAMS

Run programs you have created yourself, from within anotherprogram you have made. It will be run as part of the main program, using the correct toolset and settings.

ADDITIONAL FUNCTIONS

There are many more functions available in the SEVEN system. Creating tailor-made programs for any product, checking I/Os and jumps is just the beginning. Ask us to customize SEVEN for your machine to precisely match your requirements.

INTERPOLATION

Move side rolls and rotation simultaneously and add extra axes to the interpolation. Simply add the axes to the list of steps and the machine will calculate their speed to match the other axes.

SEVEN REASONS

WHY YOU NEED TO UPGRADE YOUR MACHINES TO THE SEVEN CONTROL SYSTEM

1 SEVEN IS FUTUREPROOF

SweBend's use of standardized components from large, well-known manufacturers ensures prolonged spare part availability. We use components from Beckhoff of Germany, whose quality and worldwide presence ensures a stable hardware platform for many years to come.

2 SEVEN IS ADAPTABLE

Since it is common for a workshop to have a variety of brands and types of rolling machines, the SEVEN system is designed to fit them all. SEVEN gives the operators a familiar interface, regardless of the type of machine they are using. This also shortens the learning curve for new operators, as the interface looks and operates the same way.

3 SEVEN IS EXPANDABLE

The ability to add additional functionality to the machine is critical to maintaining competitiveness. A new product may require a different type of support or tooling and buying a new machine for this should not be required. The SEVEN system can be adapted for almost any accessory, which can be easily integrated into the CNC control for accurate and repeatable operation.

4 SEVEN IS USER FRIENDLY

SweBend has decades of experience in rolling and training operators in the proper and safe use of CNC systems. SEVEN is designed to maximize productivity without needing a Ph.D. in computer science. In fact, the system is so easy to use that operators are often up and running production with less than one day of training.

5 SEVEN IS ONLINE

Assistance is only a click away. SEVEN comes with online support using TeamViewer© to help identify your problem and offer solutions when the machine is connected to the Internet. Our support personnel can monitor the machine and even perform online training. Online sharing of the screen with the operator opens up infinite possibilities.

6 SEVEN IS FASTER

Not only is the system faster and easier to use, it also makes your machine perform better, enabling increased production rates and improved quality thanks to the improved positioning accuracy and repeatability. The net result is happier customers and increased business.

7 SEVEN IS BRILLIANT

The SEVEN system is designed with YOU in mind. Using standard components and decades of experience to bring you the best system for your machines. Combined with a reduced time to upgrade a machine (completed in as little as 2-3 days with tuning and training included), you are back in production with minimal disruption.

sales@swebend.com
+46 70 970 51 60

SweBend AB
Belevägen 6
281 43 Hässleholm
Sweden

SWEBEND

THE WORLDS BEST BENDING MACHINES

ID-8980 / 2024 / Rabadang.se

www.**swebend**.com