



**SWEBEND** 



”UPGRADING THE BENDING INDUSTRY”

# 7 reasons why YOU need to upgrade YOUR machines to the SEVEN control system!



## SEVEN is futureproof 1

SweBend decided early in the process of development to use standardized components from a large manufacturer to make sure there will be a supply of spare parts available for a long time. The choice fell on the German company Beckhoff as their size and quality ensures a stable hardware platform for many years to come.



## SEVEN is adaptable 2

As it is not uncommon 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.

*“Often the mechanics of a machine will outlast the electrics many times over. On that premise an old CNC is not equipped to handle today’s demands, both in production rate and precision. We therefore created a graphic CNC system that is easy to use and creates professional results.”*

Peter Nilsson, CEO SweBend



## SEVEN is expandable 3

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.



## SEVEN is user friendly 4

SweBend has decades of rolling experience and training operators in the proper and safe use of CNC control 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.



## SEVEN is online 5

Assistance is only a click away. The system 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.



## SEVEN is faster 6

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



## SEVEN is affordable 7

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 as little disruption as possible.

## 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 cabinet is then rebuilt and the control panel swapped to the new one.



### Day Two:

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



### Day Three:

Training continues and is finally finished with the operators being assisted in writing some of the old programs into SEVEN.

## Wireless Control Unit





This unique type of handheld control unit is capable of handling not only digital on/off signals, but also analogue speed signals as well as displaying the positions of side rolls for example.




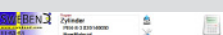
*(The Wireless Control Unit is an optional add-on to enhance the operability)*

Feature: ● Included  
● Optional





## Hardware

	 STEEL	 BRONZE	 SILVER	 GOLD	My options
Beckhoff CPU CX5000 + Windows CE	●				
Beckhoff CPU CX2030 + Windows 7 Embedded		●	●		
Beckhoff CPU CX2040 + Windows 7 Embedded		●	●	●	
6,5" Touch-screen	●				
15" Multi-touch screen		●	●		
19" Multi-touch screen		●	●	●	
Beckhoff UPS CX2100-0904 for CX2030		●	●		
Beckhoff UPS CX2100-0914 for CX2040				●	
Absolute analog position encoders	●	●			
Absolute digital position encoders	●	●	●	●	
Relative digital internal measuring encoder		●	●	●	
Relative digital external measuring encoder		●	●	●	
SweBend Wireless Control Unit	●	●	●	●	

## Software

Teamviewer remote support, 12 month	●	●	●	●	
Additional 12 month Teamviewer remote support		●	●	●	
Software remote upgrades, 12 month	●	●			
Software remote upgrades, 24 month			●		
Software remote upgrades, 36 month				●	
Additional 24 month software remote upgrades	●	●	●	●	
Computer control of 3 axes	●	●	●	●	
Computer control of additional axes	●	●	●	●	
Computer parallel control of axes	●	●	●	●	
Computer Interpolation of axes.		●	●	●	
HUD display software	●	●	●	●	
640px HMI 	●				
768px HMI 		●	●	●	

## Main Features

	 STEEL	 BRONZE	 SILVER	 GOLD	My options
Language selection between 2 languages	●				
Language selection between all available languages	●	●	●	●	
Switching between Imperial and Metric values	●	●	●	●	
Easy backup and restore of settings and programs	●	●	●	●	
Hydraulics auto off timer		●	●	●	
Selectable on screen keyboard	●	●	●	●	
Digital value readouts of axes positions	●	●	●	●	
QuickCNC positioning of axis, including 2 presets	●	●			
QuickCNC positioning of axis, including 5 presets			●	●	
Basic hardware system analysis		●	●	●	
Basic calculator		●	●	●	
Advanced formula calculator		●	●	●	

## CNC

CNC control for all axes equipped with feedback		●	●	●	
"Learning by doing" Toolset module		●	●	●	
Program Simulator		●	●	●	
Import/Export CNC programs via USB/Network		●	●	●	
Basic CNC instructions		●	●	●	
Extended CNC instructions		●	●	●	
Advanced CNC instructions		●	●	●	
Basic wizards including template creator		●	●	●	
Extended wizards			●	●	
Advanced wizards				●	
Teach recorder		●	●	●	
DUS Emulator		●	●	●	
IRMA Automatic radius compensation				●	



**UNITED STATES DISTRIBUTOR**  
**TRILOGY MACHINERY, Inc.**  
 P.O. Box 70 • Belcamp, MD USA  
 Ph: 410.272.3600 • Fax: 410.272.3601  
 E-Mail: support@trilogymachinery.com  
 www.TRILOGYMACHINERY.com

