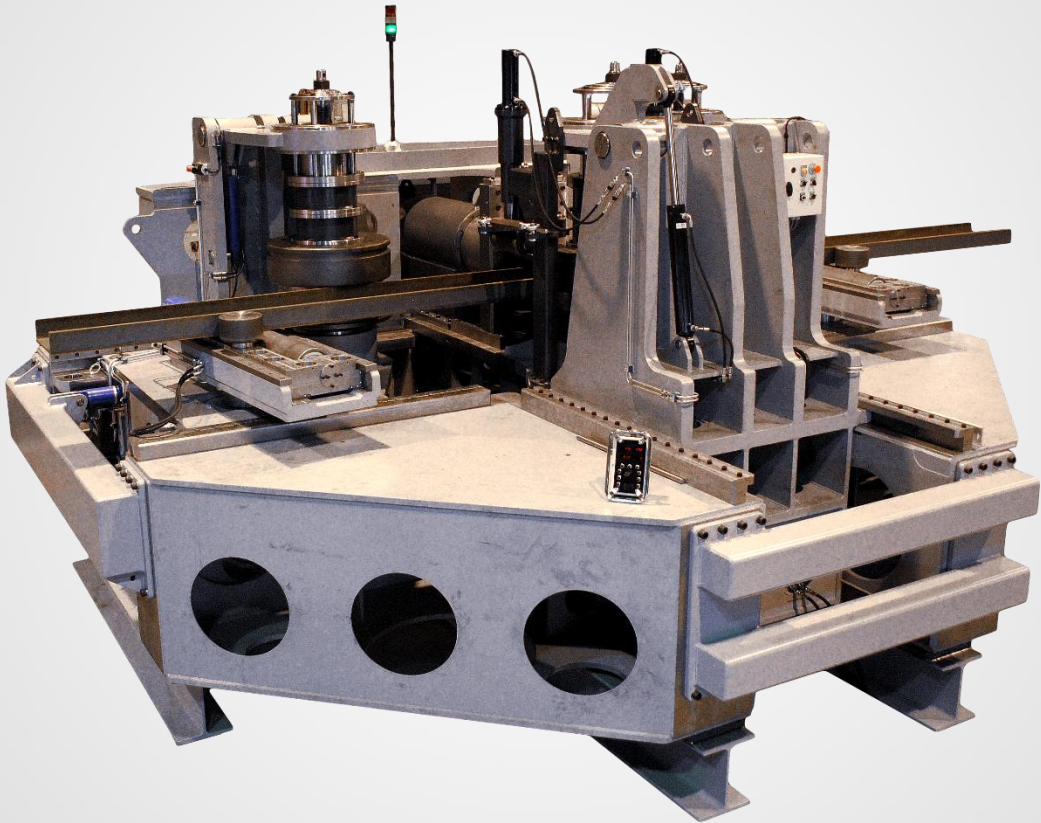




# SWEBEND

*Genuine Swedish Craftmanship,  
Proven results*



## **SECTION BENDING MACHINES WITH VARIABLE GEOMETRY VSB3**

[www.SWEBEND.com](http://www.SWEBEND.com)



### SweBend VSB3

SweBend has developed a completely new series of variable section bending rolls for the international market. These machines can roll all types of standard profiles such as pipe, structural tubing, flat bar, angle iron, beams (WF, S), channel (C, MC), etc. as well as various special sections..

#### Some of the new technologies on the new VSB series:

- The machine features variable center distance between the two lower bending axes.
- The pulling unit for rolling beams on X-X axis is an integral part of the central bending roll console.
- By virtue of an ingenious system, the shafts of all three axes are easily interchangeable, which is a huge advantage if the customer already has their own tooling, since they can also be used on the new machine.
- The bending roll shafts are supported at the top, but still have the possibility for rapid tooling adjustment, which was not possible before. We have finally solved one of the biggest problems that the bending industry has grappled with for decades.
- The massively proportioned guide rolls are integrated with the housings for the lower roll shafts and thus always optimally positioned during bending. This minimizes the "scrap", offering huge savings over the long run.
- Operator-friendly portable wireless control unit (BlueTooth) for all functions, including digital readouts.



Thanks to the unique possibility to adapt the geometry for each type of section the VSB can roll angle bar as easily as large H-beams.

Since the guide rolls always are located as close as possible to the bending rolls, there will be less scrap compared to any other machine in these sizes.



With our own developed wireless control unit operating with BlueTooth technology, the machine operator is no longer tied to a clumsy control panel on swing arm or wheels. Instead the operator can freely move around the machine in order to have best and safest position at all times during the entire bending operation.



Machine design is made with supported shafts which adds numerous advantages, such as reduced shaft sizes, higher accuracy and less costly tooling. Normally the disadvantage would be the tooling adjustment but not here – **SweBend** has managed to solve this problem in a fantastic way, allowing quick adjustment of the bending rolls when required to set up the next job. And in bending business it is important to be efficient and keep the setup time as low as possible.





### CNC System

SweBend SB4B and SB4-S machines can easily be equipped with our own **SEVEN™** CNC system in Bronze, Silver or Gold versions, depending on requirements and optional equipment.

### Optional equipment

We offer many different options like combined execution with separate hydraulic power pack, lifting roll, twisting unit, special rolls, higher speeds, extended shafts etc.



## VSBB Series / Capacities

Model Name / Size		VSBB-300-2100	VSBB-400-3200	VSBB-500-4000
Rated Capacity	cm <sup>3</sup>	6000	13000	21000
Theoretical capacity	cm <sup>3</sup>	7500	16500	26400
Maximum force from top roll	ton	300	400	500
Minimum bending distance	mm	900	1400	1600
Maximum bending distance	mm	2100	3200	4000
Shaft diameter (top / lower)	mm	280 / 240	380 / 300	400 / 360
Roll diameter Top shaft (OD / drive)	mm	700 / 600	830 / 730	850 / 750
Roll diameter Lower shafts (OD / drive)	mm	660 / 560	750 / 650	750 / 650
Free shaft length	mm	700	1000	1100
Max daylight drive rolls	mm	650	1000	1100
Maximum possible roll diameter	mm	900	1250	1400
Max pipe roll size		18" / 457 mm	24" / 610 mm	32" / 813 mm
Installed Power	kW	67	75	160
Guide roll length	mm	700	1050	1150
Number of motors		3	6	6
Angle leg out		200x200x28	200x200x28	200x200x28
Angle leg in		200x200x28	200x200x28	200x200x28
Flat bar X-X		300x100	500x100	500x150
Flat bar Y-Y		700x125 (with extra rolls)	1000x150 (with extra rolls)	1000x180 (with extra rolls)
Square bar		220x220 (with extra rolls)	300x300 (with extra rolls)	380x380 (with extra rolls)
H-, I-, U-Beam Y-Y		Max 650 mm	Max 800 mm	Max 1000 mm
Square/Rectangular tubing		400x400x16	400x400x20	400x400x20
Pipe ODxT		18",sch.60 / 457,t=19	24",sch.60 / 610,t=25	32",sch.60 / 813,t=25
H-, I-, U-Beam X-X		Max 400 mm	Max 800 mm	Max 1100 mm

Capacities are valid for normal steel with yield point 260 N/mm<sup>2</sup>

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Min. dia. depends on grade of deformation accepted

Standard Rolls	Standard Rolls and/or Spec. Rolls	Pipe Rolls Required	Optional Equipment Required
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**SweBend** is a Swedish company located in Hässleholm in the very south of Sweden. Our team of dedicated and experienced engineers and mechanics offers you the best possible assistance in the field of bending and forming. Together we have a solid foundation of experience and know-how of what it takes to design, manufacture and install machines that will be a cornerstone in your production.



At **SweBend** we pay attention to the smallest details, since these are often important for the overall functionality as well as performance and endurance.



**SweBend** offers many different sizes of section and plate bending machines, from our smallest model, SB3B-55, designed for narrow and small jobs, throughout a range of standard machines up to our giant Eliminator-400. **SweBend** also offers customer specific machines and special capacities when required.



Design benefits of **SweBend** machines include operator friendly controls such as our own developed wireless **BlueTooth** unit and focus on short lead times to set up the machine for the next job.

Machine frames and mechanical parts are heavily proportioned and all purchased components are only of the highest quality from the best suppliers. We only use bearings from **SKF** – the World famous Swedish Bearing Company.

#### Co-operation partner

SweBend has a close co-operation with the World famous German producer of Tube Bending Machines; **Schwarze-Robitec GmbH**.

This 110 year old company is a strong partner of **SweBend**, and together we can offer a complete range of machines for all types of bending and forming.

**SweBend** is the Swedish and Danish representative for Schwarze-Robitec.



# SWEBEND

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