

# TENNSMITH® USA



## SBS Folding System



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A Family Tradition Since 1928



The Tennsmith SBS Series mechanical folding system utilizes a low maintenance design, coupled with an array of standard features for an attractive combination of high value and solid performance.



The SBS incorporates a twin motor drive system for the folding beam. This allows the system to be fast and extremely accurate. Bending speeds up to 90 degrees per second can be easily achieved. Another advantage to this system is maintenance. Unlike with chain drive designs, there are no adjustments needed to this direct drive system.



For maximum hemming capacity, another strong feature of the Tennsmith SBS Series is the center drive of the clamping system. The placement of the motor in the center of the machine maximizes power while reducing torque loss through the drive shaft. The benefit is a hemming capacity of 20 gauge for the SBS12614 and 22 gauge for the SBS15016.



The back gauge for the SBS Series features a twin ball screw design. The system is fast and extremely accurate. All three drive systems of the SBS Series: Folding beam, Clamping Beam and Back gauge are controlled by frequency inverters, giving the machine great accuracy.



The support panels can be move back to allow gauging of parts with a down flange inside the machine (Z Bar etc.)

Another noticeable feature of the SBS Series is the large 17-inch graphical touch screen display. The larger screen allows easy viewing of the touch screen program.

**SBS control features:**

Graphical Programming of Profiles

Hemming Macros for Open, Closed, and Teardrop hems

Radius Macro for Complex bending of different Radii (Cornice Work etc.)

Parts Counter

Automatic Blank Calculation

Bend Compensation for different material spring back and bending bar set-up

Material Handling Instructions

Off-line Programming (Option)

Please contact Tennsmith for a complete description of all features.



The brains behind the touch screen are cutting edge. Designed for harsh environments, the SBS control system will work with ease in any climate. The system features Flash memory for both the PLC and PC. This means if anything should happen to your system you can be up and running the next day without the need of onsite programming of replacement parts. All machine information is stored on the Flash drives. The design utilizes the latest technology.

The SBS12614 will handle 14-gauge mild steel, 16-gauge stainless up to 126 inches in bending length. The rated capacity of the SBS15016 16-gauge mild steel, 18-gauge stainless up to 150 inches in bending length. Please contact Tennsmith for a complete listing of optional equipment.

The key to the SBS design is serviceability. One of the main thoughts that went into designing the SBS Series was service. Every design element and feature of the SBS had to easily be maintained and serviced. We feel so strongly about our design that the SBS Series carries a Three-Year Factory Warranty.

The SBS12614 Bending System and LM1014F series Shear are available in a special price "Performance Package" configuration. The Performance Package includes the standard configured SBS12614 and the LM1014F performance shear.

<b>SBS FOLDING SERIES</b>	<b>SBS12614</b>	<b>SBS15016</b>
Bending Capacity (Mild Steel)	14ga / 2,0mm	16ga / 1,5mm
Bending Capacity ( Stainless)	16ga / 1,5mm	18ga / 1,25mm
Bending Length	126 in / 3200mm	150 in / 3800mm
Back gauge Depth	40 in / 1016 mm	60 in / 1524mm
Clamping Beam Opening Height	7 in / 178mm	7 in / 178mm
Folding Beam Adjustment	1 in / 25mm	1 in / 25mm
Working Height	34 in / 864mm	34 in / 864mm
Machine Length	180 in / 4572mm	204 in / 5182mm
Machine Width	96 in / 203mm	96 in 203 mm
Machine Height	72 in / 1829mm	72 in / 1829
Machine Weight	9,020 lbs	10,180lbs
Shipping Weight	9,885 lbs.	11,195 lbs.
Back Gauge Motor	¾ hp	¾ hp
Clamping Beam Motor	2 hp	3 hp
Bending Beam Motor	2 + 2 hp	2 + 2 hp
<b>Speeds</b>	<b>SBS12614</b>	<b>SBS15616</b>
Clamping Beam Speed	2.5" per second	2.0" per second
Folding Beam Speed	90 deg per second	90 deg per second
Back gauge Speed (0.375" to 40")	7 seconds	7 seconds