

ChannelBender[®] SXP

The most advanced channel letter bender ever built



- Adjustable height 1/8" and 1/4" hole punching
- Material heights from 1" to 8"
- Forms face-lit, halo-lit and LetterForm Trimless letters
- Bend aluminum, stainless, and mild steel
- .032"-.063" aluminum and 20 gauge stainless or mild steel
- Letters as small as 3" in height and serifs as small as 3/16"



*Patent Pending

ChannelBender Series
Automated Channel Letter Solutions

Call us at 303-798-7110 x203 or
visit sign.sdsautomation.com

ChannelBender® SXP

THE CHANNELBENDER SERIES

The **ChannelBender SXP** is the flagship letter bending machine in SDS Automation's ChannelBender Series and the ultimate, state-of-the-art channel letter system for traditional and advanced channel letter forming. The SXP is undeniably the most advanced, most efficient, most productive channel letter machine available to the sign making industry. This machine can form traditional face-lit or halo-lit channel letters of nearly any height and anywhere from 1" to 8" deep. The SXP can also process specialty materials like our Trimless LetterForm, polished stainless, polished brass and even mild steel. Just imagine having the capability to automatically form letters as small as 3 inches, as tall as 15 feet as well as serifs as small as 3/16". Electronically height-adjustable hole punching is one of the many ground-breaking features available only on ChannelBender SXP. Our exclusive, patented hydraulic hole punching unit eliminates manual drilling of 1/4" drain holes and 1/8" pilot holes for rivets or screws. Holes can be positioned anywhere in the return or the flange and it can even punch multiple holes both horizontally and vertically. Our software can recognize hole positions in the dxf file used to cut the back panel of the letter and the SXP will automatically create a corresponding rivet hole in the flange. Automating this tedious, manual task saves time and greatly increases accuracy and efficiency. No other machine in the industry comes close.

The **ChannelBender SXP** also has the ability to broach return material when forming Trimless, halo-lit or fabricated letters in materials like Trimless LetterForm, stainless steel, mild steel, polished brass and even copper. The broaching feature is a patented process that scores a shallow groove vertically across the interior surface of the return at the exact location of sharp, angled bends. Broaching forms a shallow groove or relief cut which results in crisp, sharp, precise bends and allows for the forming of intricate shapes, like serifs as small as 3/16", which were previously impossible to automate.

The price of a fully equipped **ChannelBender SXP** includes set-up, installation, and on-site training at your facility. A two-year parts and labor warranty, lifetime software updates, lifetime phone and remote access tech support from a U.S.-based technician are also included. There is no optional equipment and there are no hidden fees. By the conclusion of your comprehensive training, you will know how to competently operate and maintain your new ChannelBender series machine.

*Some limitations may apply

TECHNICAL SPECIFICATIONS

POWER	System	220VAC, 15A, 50/60Hz, 1P
	Oil pump	220VAC, 6.4/3.7A (max/typ)
DIMENSIONS (W x D x H)	System	93" x 43.5" x 59"
	Coil cassette	30" x 30" x 57"
FEATURES	Vertical broaching of angles	100°
	Maximum flange thickness	Up to .063" (1.6 mm)
	Hydraulic flange notcher	30°, 60°, 100°, 130°
	Flange depth	Adjustable - 1/4", 3/8", 1/2"
	Cut-off tool for batch processing	Yes
	Hydraulic punching unit (inline)	1/4" weep holes, 1/8" screw/rivet holes
BENDING	Maximum angle	120° (coil)
	Smallest radius that can be bent a full 180°	.2" (5 mm) radius (coil)
	Shortest distance from end to a sharp bend	1.57" (40 mm)
	Shortest distance from start to a sharp bend	.2632" (6 mm)
MATERIAL COIL SPECIFICATIONS	Outside diameter	26" only
	Thickness	.026" - .063" (.66 mm - 1.6 mm)
	Height	1" - 8" (25 mm - 203.8 mm)
LETTERFORM SPECIFICATIONS	Thickness	1.0 mm (approximately .050")
	Height	37, 60 and 100 mm
	Length	7 m (approx. 23') stick or 30 m (approx. 98') coil