

# ChannelBender® R/T

Highly specialized automated letter bending technology for sign makers



The ChannelBender R/T is a highly specialized system dedicated exclusively to high-end, non-flanged, fabricated, reverse or Trimless® letters from 1" to 5" deep. In addition to .026" - .063" aluminum, the R/T can process our proprietary LetterForm® coil as well as mirror finish stainless steel, polished brass and copper, without leaving any mechanical bending marks. Letters formed on the ChannelBender R/T entirely eliminate the need for conventional plastic trim cap.



**ChannelBender Series**  
Automated Channel Letter Solutions

Call us at 720-912-5012 or  
visit [sign.sdsautomation.com](http://sign.sdsautomation.com)

The **ChannelBender® Series**, manufactured by SDS and available only from SDS Automation, is a line of automated channel letter fabrication machines known as the fastest, most reliable and precise technology available to sign makers. Rigorous testing shows ChannelBenders can complete the process of bending returns 15% to 30% faster than the nearest competitive machines, and cut hand finishing time by an additional 30% or more. Customer feedback indicates it is typical to achieve return on investment between 12 and 18 months.

The **ChannelBender R/T** produces non-flanged letters. Its unique broaching feature produces crisper, sharper bends, allowing the machine to bend intricate shapes previously thought impossible to automate. In addition to aluminum, brass, and stainless material, the ChannelBender R/T can process LetterForm®, our proprietary aluminum return material, for the production of Trimless® channel letters.

The price of a fully equipped ChannelBender R/T includes set-up, installation, and on-site training at your facility. Additionally, two years of software updates, lifetime phone and remote access tech support from a U.S.-based technician, and a two year parts and labor warranty are 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.

**SDS Automation** is an automated metal bending expert and the inventor and original holder of fifteen patents for this type of technology. Over 3,000 machines have been sold worldwide. Our 30 years of experience manufacturing and servicing these systems, combined with our dedicated team of technicians, create the very best service and support infrastructure in the industry.

TECHNICAL SPECIFICATIONS		
POWER	System	220VAC, 15A, 50/60Hz, 1P
DIMENSIONS (W x D x H)	System	85.75" x 35.5" x 65"
	Coil cassette	30" x 30" x 57"
FEATURES	Broaching of angles	Adjustable depth relief cut
	Batch processing	Yes
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	.2632" (6 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" - 5" (25 mm - 127 mm)
LETTERFORM SPECIFICATIONS	Thickness	1.0 mm (approximately .050")
	Height	37, 60 and 100 mm
	Length	3 m (approx. 10') stick or 27 m (approx. 96') coil