

CRL Deluxe Spacer Bender

- Can Be Made to Accommodate Almost Any Size Spacer Bar
- Custom Manufactured by CRL



This machine is designed to bend Spacer Bars to any radius allowable by the design of the Spacer. Manually operated, the CRL Spacer Bender uses a pressure drive roller with two forming die rollers. As the Spacer is forced through the forming dies, the degree of bend is increased through higher pressure from the drive roller with each successive pass, until the desired radius is attained. Quick interchanging of the forming die rollers allows total versatility in bending of different size Spacers.

Unit includes Dies for 3/16", 1/4", 5/16", 3/8", and 1/2" (4.8, 6.4, 7.9, 9.5, and 12.7 mm) standard height CRL, All Metal, and Nichols Homeshield Spacer profiles. **NOTE:** Will not work with Slim Line/Narrow profiles. Different widths, other Spacer brands, and all Slim Line Narrow profiles require custom Die Sets. These Custom Dies are manufactured to customer samples. Contact CRL Glass and Glazing Technical Sales for machine details and specifications. F.O.B. Los Angeles, California. Minimum order is one each.



CAT. NO. DSBD1

CRL Muntin Bar Bender

- For Fabricating Curved Insulating Glass Units
- Each Unit is Custom Made By CRL



The CRL Muntin Bar Bender easily bends Muntin Bar for Insulating Glass units with arched sunset patterns, as well as circular units. Any width of 3/16" (4.8 mm) thick Muntin Bar can be shaped with just a few quick passes. It has an easy-to-read indicator dial for quickly and accurately making repetitious bends.

The MMBD1 includes one set of Dies. If additional widths of muntins are going to need bending then an additional set of Dies will need to be ordered. If using Muntin Bars not sold by CRL then three each 36" (914 mm) samples of muntin must be sent to CRL. This is due to the tight machining tolerances needed to produce this precision piece of equipment. If you are using CRL brand Muntin Bar just specify the CRL catalog number that the Dies should be made to work with. Contact Glass and Glazing Technical Sales for machine details and specifications. F.O.B. Los Angeles, California. Minimum order is one each.



CAT. NO. MMBD1

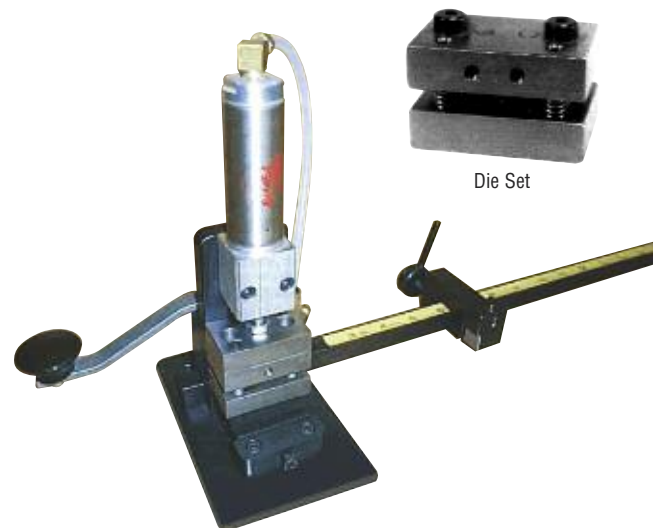
CRL Air Powered Muntin Clip Punch

- Accommodates 3/16" to 7/8" Aluminum Spacers
- For Single or Two-Prong Muntin Bar Clips

This CRL Air Powered Muntin Clip Punch is designed to accommodate 3/16" to 7/8" (4.8 to 22.2 mm) Spacers, and will punch holes for single or two-prong Muntin Bar Clips. It operates on air pressure from 50 to 250 PSI, and comes with a computer print-out Muntin Bar Spacing Chart. The chart shows machine stop settings for muntins up to 80" (2.03 m) long and up to six openings.

The Punch comes complete with a Stop Bar, one size Air Spacer Die, and one size Muntin Spacing Chart. When ordering, specify spacer and muntin sizes. Air Spacer Dies are available in all standard sizes. Specify centerline or off-center muntin clip holes when ordering Spacer Dies.

There are three available models to choose from, depending on what type of Muntin Bar Clip you are using. Customers ordering the MBKP1 will receive one Punch and Die with the unit. Spacer width and brand name must be designated. Additional widths of spacers require additional Dies. Customers must provide samples of their muntin clip (6 each) and spacer (4 each 6" [152 mm] long), unless they are using CRL components. Multiple Head Muntin Clip Punches (up to five heads) are available for larger production shops. Contact CRL Glass and Glazing Technical Sales for machine details and specifications.



Air Powered Muntin Clip Punch

Die Set

CAT. NO.	DESCRIPTION
MBKP1	Air Powered Muntin Clip Punch
MBKPD1E	Die Set for the MBKP1

Minimum order: 1 each. F.O.B. Canton, Michigan