

# Squeegee Sharpeners



## BladeShaper™ SC

BladeShaper SC is M&R's first precision small-format manual squeegee sharpener for blades up to 51 cm (20"). Portable tabletop design makes BladeShaper SC easy to move, and its compact size allows it to fit almost anywhere. BladeShaper SC includes a virtually indestructible square-cut 120-grit diamond sharpening wheel<sup>1</sup> for smooth, uniform grinding. The diamond wheel sharpens all squeegee materials, including single and multiple durometer types<sup>2</sup>. Material removal rate is easy to adjust. BladeShaper SC secures squeegees by the blade during sharpening, and it's designed to accommodate various squeegee holders/handles. Five additional diamond wheel profiles in numerous grits are optionally available.



## BladeShaper™ MC

M&R's BladeShaper MC small-format manual table-top model precisely sharpens blades up to 97 cm (38"). Portable tabletop design makes BladeShaper MC easy to move, and its compact size lets it fit almost anywhere. BladeShaper MC includes two virtually indestructible square-cut diamond sharpening wheels<sup>1</sup> (one 120-grit and one 230-grit) for smooth, uniform grinding. The diamond wheels sharpen all squeegee materials, including single and multiple durometer types<sup>2</sup>. Material removal rate is easy to adjust. BladeShaper MC secures squeegees by the blade during sharpening, and it's designed to accommodate various squeegee holders/handles. Five additional diamond wheel profiles in numerous grits are optionally available.



## BladeShaper™ LC

M&R's freestanding, midsize, fully-automated BladeShaper LC precisely sharpens blades up to 95 cm (37"). BladeShaper LC includes two virtually indestructible square-cut diamond sharpening wheels<sup>1</sup> (one 120-grit and one 230-grit) for smooth, uniform grinding. The diamond wheels sharpen all squeegee materials, including single and multiple durometer types<sup>2</sup>. Material removal rate is easy to adjust. BladeShaper LC secures squeegees by the blade during sharpening, and it's designed to accommodate various squeegee holders and handles. BladeShaper LC includes a vacuum system to reduce dust and facilitate particle removal (110 V models include vacuum cleaner). Five additional diamond wheel profiles in numerous grits are optionally available.



BladeShaper LC is perfect for busy shops because the operator does not need to remain with the machine during the sharpening process. The operator simply inserts the squeegee; brings the sharpening wheel to the starting point; sets the number of passes for the wheel to make and the speed at which it will traverse the blade. The operator can walk away from the machine as soon as it begins sharpening the blade. Once BladeShaper LC finishes sharpening the blade, it and the vacuum system will shut down automatically. If your shop does more than occasional sharpening, BladeShaper LC is the ideal choice.

<sup>1</sup> Warranted for five years against diamond wear in normal use

<sup>2</sup> Some materials sharpen better than others

## OPTIONAL WHEEL PROFILES

	<ul style="list-style-type: none"> <li>• <b>Square/Straight (60, 120, 230 and 360 grit)</b> Sharpens standard square-edge squeegees.</li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Center-Sharp (220 or 360 grit)</b> Includes 60° angle for beveling 3/16" (5mm) squeegees. Improves printing on rough or uneven substrates.</li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Center-Bevel (220 grit)</b> Two angles available (70° or 90°) for beveling standard 3/8" (10mm) squeegees. Improves printing on rough or uneven substrates.</li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Round (120 grit)</b> Rounds edges on standard 3/8" (10mm) squeegees for heavier ink deposit.</li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Round/Sharp Combo (120 grit)</b> Rounds only one edge of 3/8" or 3/16" squeegees for variable ink deposit applications.</li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Hollow-Grind (230 grit)</b> Hollows center of standard 3/8" (10mm) squeegees to help eliminate streaks and improve definition in fine line printing and coating applications.</li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Chisel (230 grit)</b> Includes 30° angle for chisel profiling 3/8" or 3/16" squeegees. Improves printing on 3-D substrates.</li> </ul>

## SPECIFICATIONS

	BladeShaper SC	BladeShaper MC	BladeShaper LC
<b>Blade Height Tolerance</b>	+/- 0.15 mm (0.006") measured from end to end	+/- 0.15 mm (0.006") measured from end to end	+/- 0.15 mm (0.006") measured from end to end
<b>Diamond Wheel Grit</b>	120 grit supplied standard (other grit sizes available)	120 & 230 grit supplied standard (other grit sizes available)	120 & 230 grit supplied standard (other grit sizes available)
<b>Dimensions (L x W x H)</b>	76 x 30 x 37 cm (30" x 12" x 14.5")	122 x 30 x 37 cm (48" x 12" x 14.5")	152 x 69 x 122 cm (60" x 27" x 48")
<b>Electrical Requirements<sup>1</sup></b>	115-120 V, 2 A (220-230 V, 1 A optional)	115-120 V, 2 A (220-230 V, 1 A optional)	115-120 V, 2 A (220-230 V, 1 A optional)
<b>Material Removal</b>	Recommended rate 0.05-0.10 mm (0.0025")	Recommended rate 0.05-0.10 mm (0.0025")	Recommended rate 0.05-0.10 mm (0.0025")
<b>Maximum Sharpening Length</b>	51 cm (20")	97 cm (38")	95 cm (37")
<b>Sharpening Profile</b>	One straight/square-edge wheel supplied standard (other profiles & custom wheels available)	Two straight/square-edge wheels supplied standard (other profiles & custom wheels available)	Two straight/square-edge wheels supplied standard (other profiles & custom wheels available)
<b>Shipping Weight</b>	33 kg (73 lb)	47 kg (103 lb)	133 kg (294 lb)

<sup>1</sup> If incoming voltage differs from the voltage(s) listed in this brochure, calculate amperage accordingly. Other electrical configurations are available. Contact The M&R Companies for details.

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