Squeegee Sharpeners

BladeShaper™ SC

BladeShaper SC is M&R's first precision small-format manual sharpener for squeegee 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 in a screen printing shop. BladeShaper SC includes a virtually indestructible square-cut 120-grit diamond sharpening wheel[1] for smooth, uniform grinding. The diamond wheel sharpens all squeegee materials, including single and multiple durometer types[2] 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 squeegee blade sharpener precisely sharpens squeegee 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[1] (one 120-grit and one 230-grit) for smooth, uniform grinding. The diamond wheels sharpen all squeegee blade materials, including single and multiple durometer types[2] 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 squeegee blades up to 95 cm (37"). BladeShaper LC includes two virtually indestructible square-cut diamond sharpening wheels[1] (one 120-grit and one 230-grit) for smooth, uniform grinding. The diamond wheels sharpen all squeegee materials, including single and multiple durometer types[2] 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 screen printing shops because the operator does not need to remain with the machine during the squeegee sharpening process. The operator simply inserts the squeegee blade, brings the sharpening wheel to the starting point, and sets the number of passes for the wheel to make and the speed at which it will traverse the squeegee blade. The operator can walk away from the machine as soon as it begins sharpening. Once BladeShaper LC finishes sharpening the squeegee blade, it and the vacuum system will shut down automatically. If your shop does more than occasional squeegee blade sharpening, BladeShaper LC is the ideal choice.

[1] Warranted for five years against diamond wear in normal use   [2] Some squeegee blade materials sharpen better than others

OPTIONAL WHEEL PROFILES

- **Square/Straight (60, 120, 230 and 360 grit)**
  Sharpens standard square-edge squeegees.

- **Center-Sharp (220 or 360 grit)**
  Includes 60° angle for beveling 3/16" (5mm) squeegees. Improves printing on rough or uneven substrates.

- **Center-Bevel (220 grit)**
  Two angles available (70° or 90°) for beveling standard 3/8" (10mm) squeegees. Improves printing on rough or uneven substrates.

- **Round (120 grit)**
  Rounds edges on standard 3/8" (10mm) squeegees for heavier ink deposit.

- **Round/Sharp Combo (120 grit)**
  Rounds only one edge of 3/8" or 3/16" squeegees for variable ink deposit applications.

- **Hollow-Grind (230 grit)**
  Hollows center of standard 3/8" (10mm) squeegees to help eliminate streaks and improve definition in fine line printing and coating applications.

- **Chisel (230 grit)**
  Includes 30° angle for chisel profiling 3/8" or 3/16" squeegees. Improves printing on 3-D substrates.

SPECIFICATIONS

	BladeShaper SC	BladeShaper MC	BladeShaper LC
Blade Height Tolerance	+/- 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
Diamond Wheel Grit	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)
Dimensions (L x W x H)	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")
Electrical Requirements [1]	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)
Material Removal	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")
Maximum Sharpening Length	51 cm (20")	97 cm (38")	95 cm (37")
Sharpening Profile	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)
Shipping Weight	33 kg (73 lb)	47 kg (103 lb)	133 kg (294 lb)

[1] 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.