

**Thermal Barrier Machinery:
Extrusion Debridger**



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Bridgemill™

Core Features

Bridgemill 20	Bridgemill 30	Bridgemill 40	Description
12, 14, 16 in (304.8, 355.6, 406.4 mm)	12, 14, 16 in (304.8, 355.6, 406.4 mm)	12, 14, 16 in (304.8, 355.6, 406.4 mm)	Blade diameter accepted by machine
1.25 in (31.75 mm)	1.25 in (31.75 mm)	2.00 in (50.8 mm)	Blade arbor hole diameter
4.25 in (107.9 mm)	4.00 in (101.6 mm)	4.00 in (101.6 mm)	Maximum depth of cut with a 16 in (406.4 mm) diameter blade
12 in (304.8 mm) dia x 3/16 in (4.75 mm) kerf	12 in (304.8 mm) dia x 3/16 in (4.75 mm) kerf	12 in (304.8 mm) dia x 3/16 in (4.75 mm) kerf	Blade supplied with new machine
20	30	40	Horsepower of electric blade motor
215 fpm (65.5 mpm)	215 fpm (65.5 mpm)	250 fpm (76.2 mpm)	Maximum extrusion feed rate
10.25 in (260.3 mm)	13.7 in (347.98 mm)	12.00 in (304.8 mm)	Maximum extrusion width
8.25 in (209.6 mm)	11.8 in (300 mm)	11.25 in (285.7 mm)	Largest cavity offset from either edge
no	yes	yes	Adjustable, high-volume processing for MLP™ (mechanical lock profile) fenestration systems designed with larger debridge gaps
no	yes	yes	Dual cavity processing in single pass with flexible blade modification on the existing arbor shaft
yes	yes	yes	6 in (152.4 mm) diameter by 2 in (50.8 mm) tall soft yellow drivewheels (4)
yes	yes	yes	Hold-ups and hold-downs
no	yes	yes	Easy-access rear motor mount for quick setup, adjustments and blade service points
no	yes	yes	Automatic blade lock
no	yes	yes	Sliding lid
33.25 in (844.55 mm)	33.25 in (844.55 mm)	36.00 in (914.4 mm)	Working height of machine from floor
no	no	yes	Skip-debridge function (150-175 fpm or 45.7-53.3 mpm)
no	no	yes	Onboard industrial computer Programmable functions: drive wheel slides, drive wheel speed, blade in/out and up/down Recipe recall by die number
no	no	yes	Stand alone electrical enclosure



MLP™ (mechanical lock profile) with large debridge gap



Dual cavity processing in a single pass

Electrical requirements

208/230/380/460/600 VAC, 80/40 Amp, 3 Phase, 50/60 Hz service. All electrical components are mounted inside NEMA 12 enclosures.

Air requirements

Clean dry air is required for pneumatically operated components. Minimum requirements are 80 psi, 10 scfm (5.5 bars, 283 L/min).