

**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 | |



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).