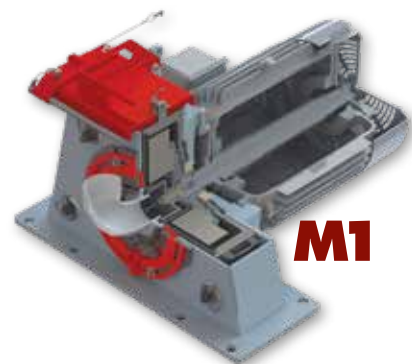


# e-WHEEL™ & TWISTLOK™ TECHNOLOGY

INNOVATION • SERVICE • COMMITMENT • TECHNOLOGY • QUALITY • FOCUS • SOLUTIONS • SAFETY • TEAMWORK



THE WORLD'S MOST ADVANCED BLAST WHEEL



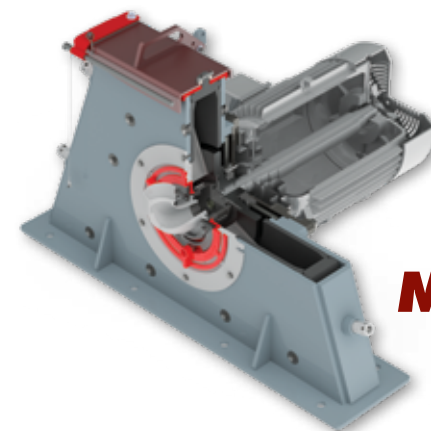
**M1**



**M2**



**M3**



**M4**



**M5**



**Rail Car  
Lance  
Blast  
Wheel**

## The Next Evolution

The patented **e-Wheel™** is the next evolution in extreme duty blast wheel technology from BCT. Providing improved performance, lower maintenance costs, improved motor life and a few patented tools that simply make the e-wheel, the easiest wheel to maintain in the industry.

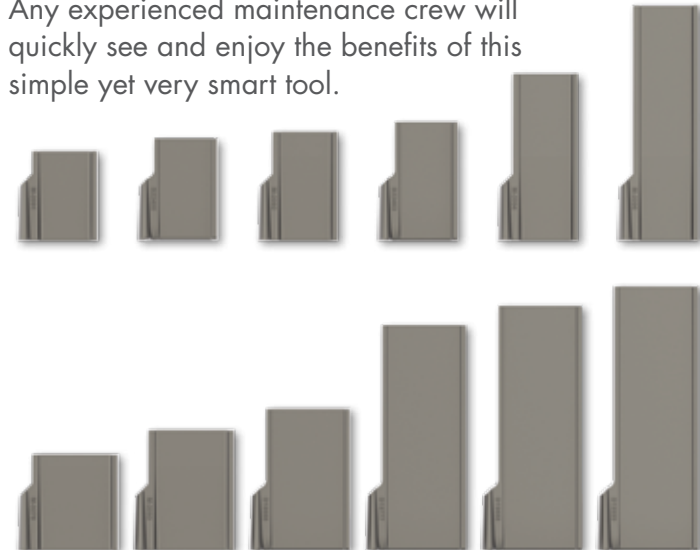
The e-Wheel is **robust**, designed for the absolute toughest applications, with **smart** design improvements that you can relate to. We offer a full range of wheel diameters, ranging from 13.5" to 26", with varying speeds and configurations.

### e-Wheel™

The e-Wheel is cast from a high alloy case hardened steel for long life, even in the most difficult applications. Precision balancing and tapered elliptical slot provide for the smoothest running wheel available today.



The patented **NuckleSaver™** blade installation tool is designed to provide a quick and safe method of installing the blades without "breaking your knuckles". Any experienced maintenance crew will quickly see and enjoy the benefits of this simple yet very smart tool.



### Tapered Ellipse Blade

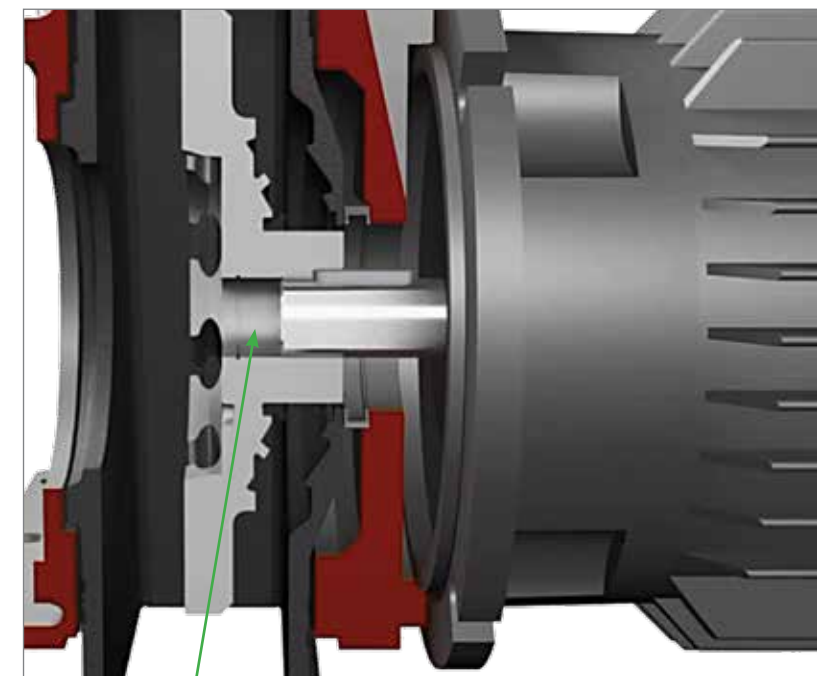
The patented e-blade is designed with a continually tapered ellipse blade lock requiring no mechanical means to hold the blade in position. The continual taper provides for easy installation and even more importantly, easy removal of each blade.



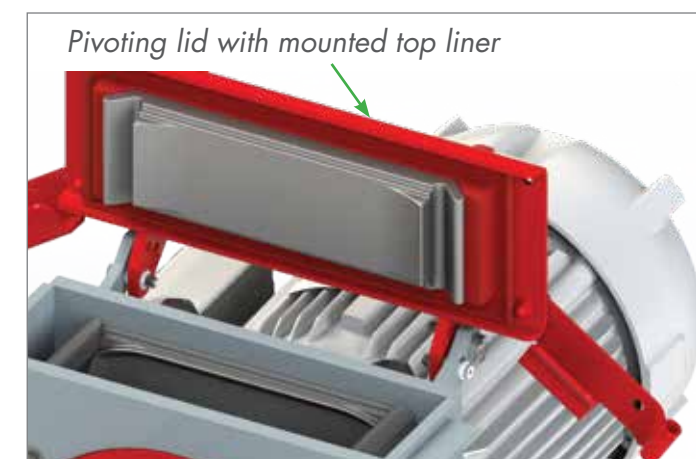
### All e-Wheels include:

- Fully machined vented motor mounting adapter
- Premium cast chrome lining
- No taperlock design
- Machined heavy-duty impeller
- D-Flanged M-Series heavy-duty motors
- Wheel housings fabricated from abrasive resistant (AR) and manganese steel with machined tolerances
- AR flanges on wheel housing
- Pivoting lid locking without threads and lockout capability for added safety
- T-Nut flange adapters

### All Machined Tolerances for a Perfect Fit. Every time.



Machined wheel bore eliminates taperlock



Pivoting lid with mounted top liner



Pivoting lid lock eliminates threads!

Join the growing number of leading companies in North America that have upgraded to one of our e-Wheel™ designs. Same day parts shipment available.



Welcome to the most advanced wheel technology in the shot blast industry.



**BCT** **TWISTLOK™**  
*e-WHEEL™ Technology*

The Patent Pending **BCT TwistLOK™ e-Wheel™** design includes several major breakthroughs in shot blasting technology. All **TwistLOK** components are investment cast from a Super-Alloy Tool Steel providing unparalleled precision, toughness and wear life approaching 2-3 times that of traditional alloys used for blast parts.



The precision fit up of investment cast components provides a perfect seal, eliminating the typical seal issues of loose fitting plastic or rubber seals that misalign during installation.



A simple twist with a wrench to the **TwistLOK** ring, allows for easy removal of the precision investment cast feed spout and easy access to the control cage and impeller.

**THE ELIMINATION OF HARDWARE MEANS NO MORE THREADS.**



Blast pattern is always set in the proper location by lining up the numbers on the control cage and cage adapter.



To remove the **TwistLOK**, simply rotate the clamp face just a few degrees to allow the clamp to disengage from the cage adapter.



The **TwistLOK** ring is cast with “bubbles” which eliminates any potential interference from shot, dirt or fines during the clamping process. This allows the **TwistLOK** ring to work flawlessly, every time.



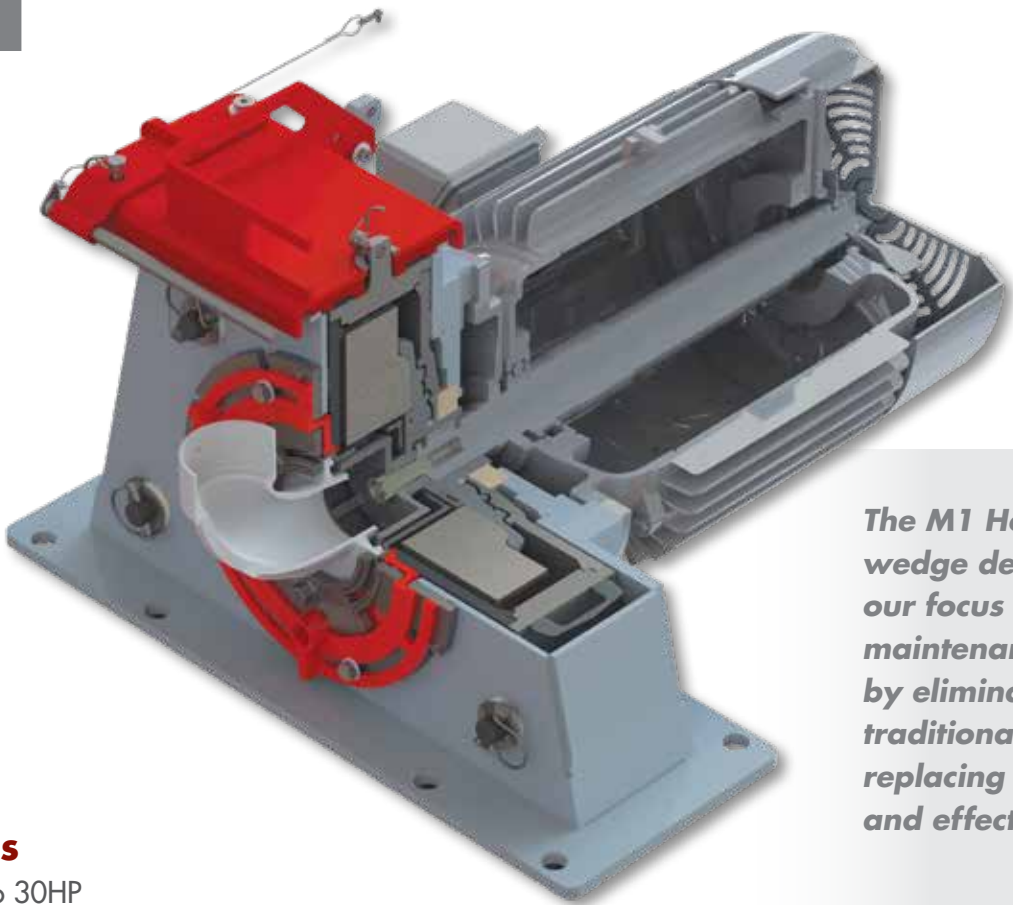
The M-LOK is a threadless spring-loaded pin that locks the **TwistLOK** ring in place. A simple 90-degree turn locks the M-LOK into place, which in turn locks the **TwistLOK** assembly. All of this completed without a single thread.



**TOMORROW'S  
TECHNOLOGY  
AVAILABLE  
TODAY!**



# M1



*The M1 Housing and wedge design typifies our focus on solving maintenance challenges by eliminating the traditional threads and replacing with a simple and effective wedge.*

**Features**

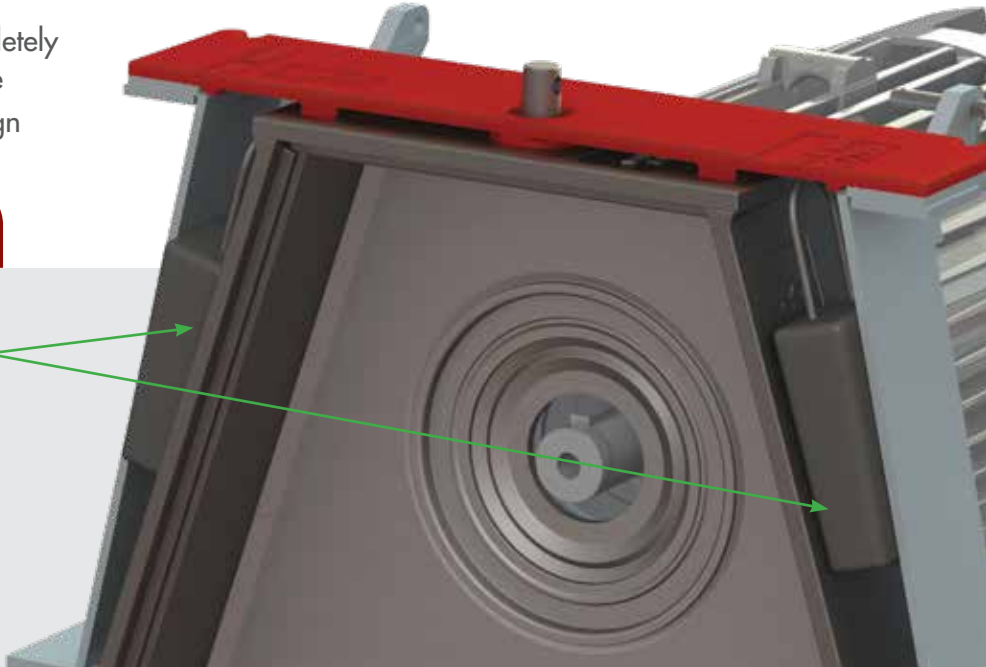
- 10 HP to 30HP
- 2.5" wide blade
- Available in 13"/260 ft/sec, 14"/285 ft/sec and 15" 300 ft/sec
- 37, 49 and 70 degree control cages
- Also available with 14" BCT "Wave Blade" for a 6 – 8" wide pattern
- Nominal wheel opening dimensions – 4.75" wide x 24" long

**Unique features:**

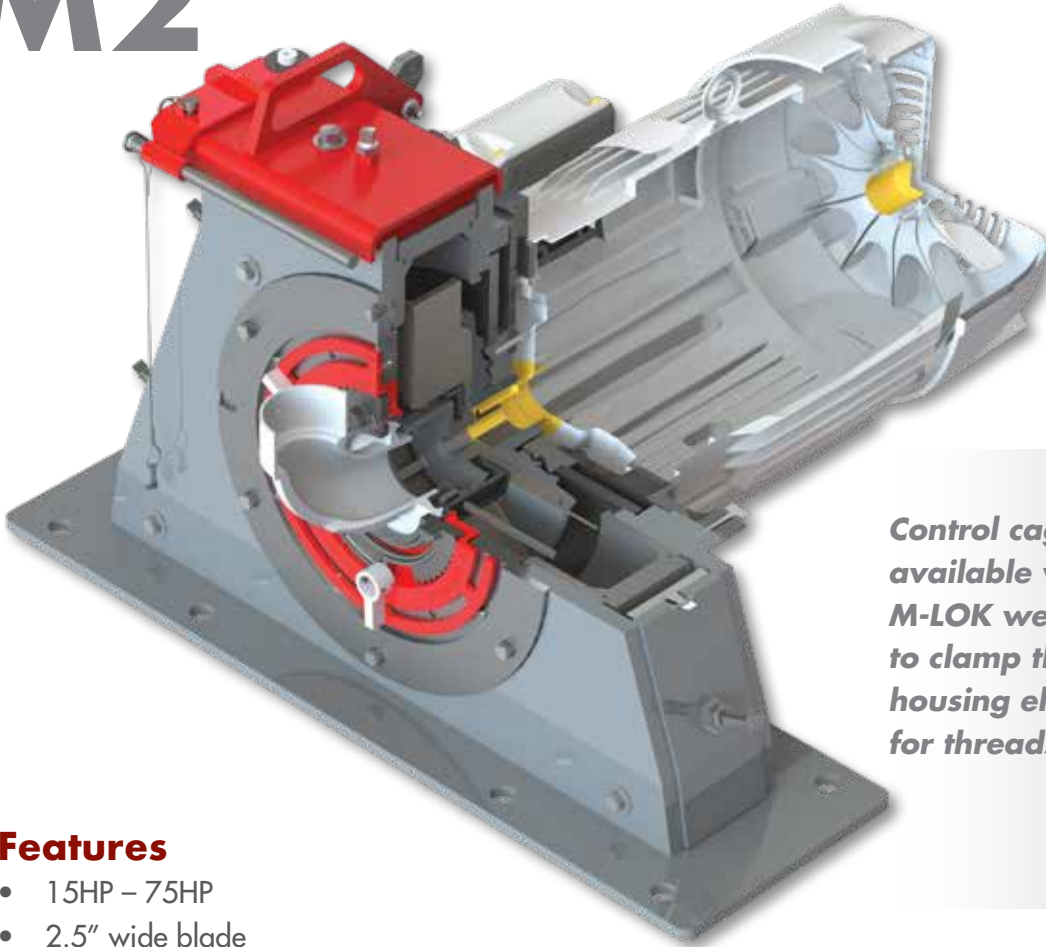
- M1 liner wedge design completely eliminates end liner hardware
- Heavy-duty yet compact design

**M-LOK Wedge**

Liner wedges securely hold end liners without hardware.



# M2



*Control cage adapter is also available with our optional M-LOK wedge system used to clamp the adapter to the housing eliminating the need for threads.*

**Features**

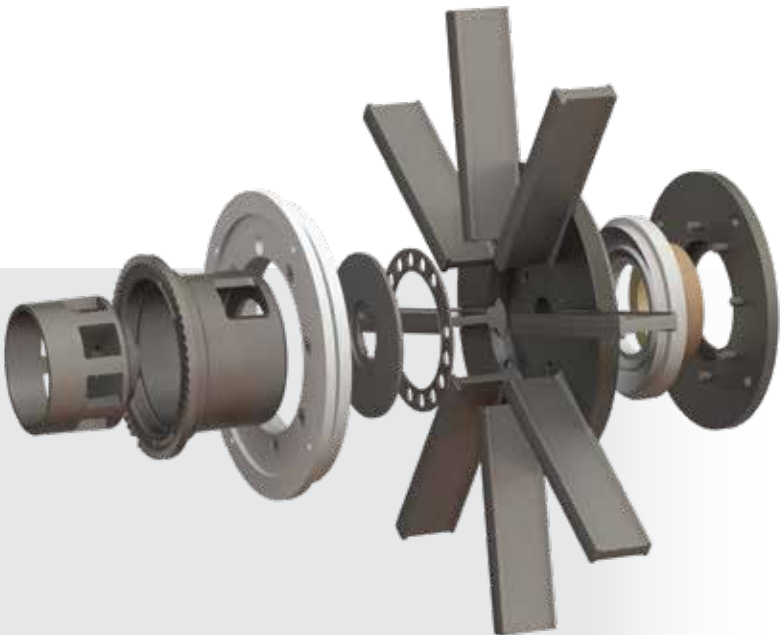
- 15HP – 75HP
- 2.5" wide blade
- Available in 13"/260 ft/sec, 14"/285 ft/sec and 15" 300 ft/sec
- 37, 49 and 70 degree control cages
- Also available with 14" BCT "Wave Blade" for a 6 – 8" wide pattern
- Nominal wheel opening dimensions – 4.5" wide x 31" long

**Unique features:**

- Top liner mounted to pivoting lid
- Control cage adapter with cast chrome liner
- Optional M-LOK wedge liner retention

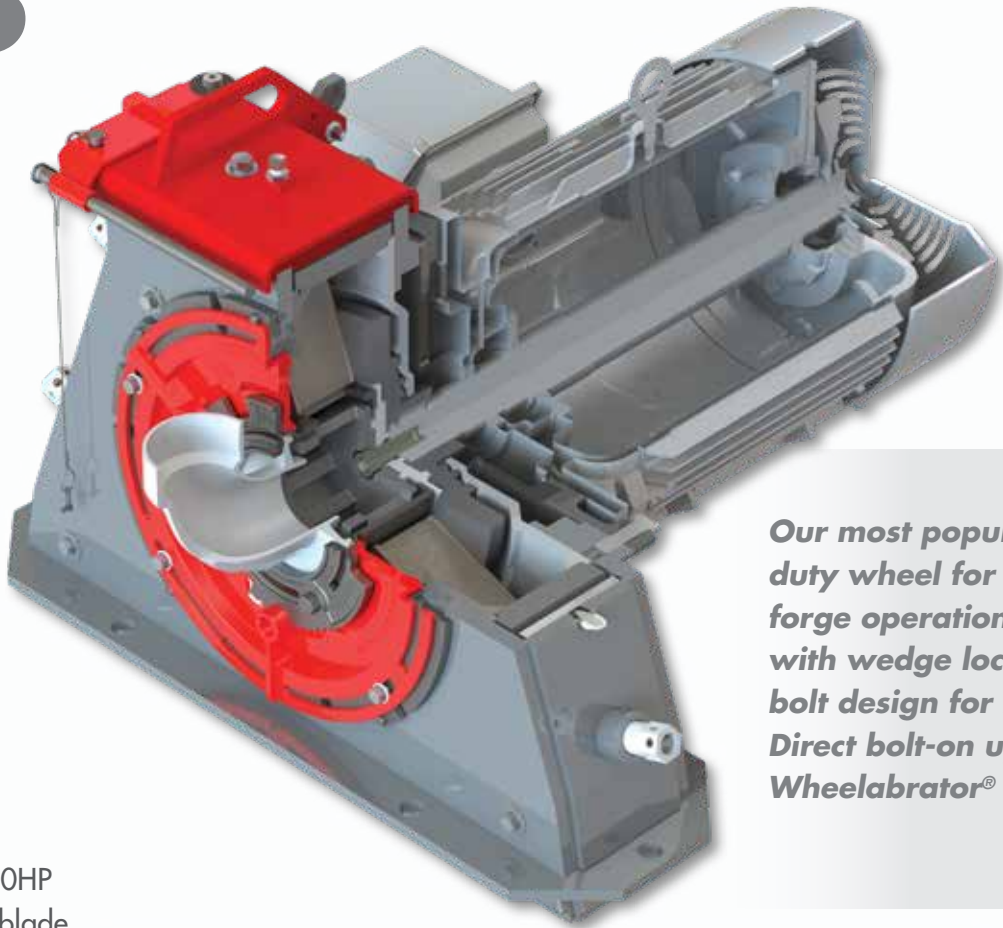
**RIM-LOC™**

Upgrade your existing Pangborn® RIM-LOC™ to the e-Wheel™ and take advantage of BCT's advanced wheel technology without replacing your existing housing and motor. Upgrading to the BCT e-Wheel offers tougher, longer lasting components, improved seal design and our exclusive NuckleSaver technology.





# M3



*Our most popular, extreme duty wheel for foundry and forge operations. Available with wedge lock or standard bolt design for liner retention. Direct bolt-on upgrade for the Wheelabrator® EZEFIT® wheel.*

**Features**

- 15HP – 100HP
- 3.5" wide blade
- Available in 13"/260 ft/sec, 14"/285 ft/sec and 16" 315 ft/sec
- 37, 49, 70 and 100 degree control cages
- Also available with 14" BCT "Wave Blade" for a 8-10" wide pattern
- Nominal wheel opening dimensions – 5.5"wide x 31" long

**Unique features:**

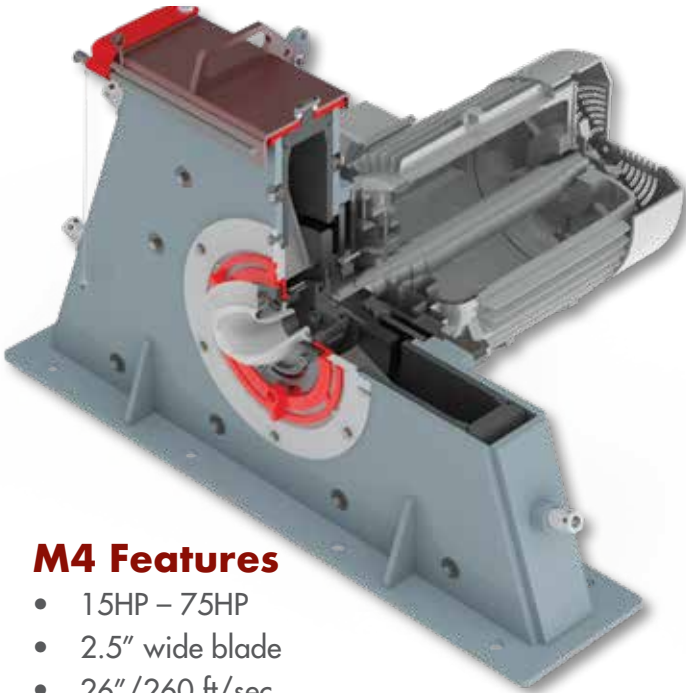
- Top liner mounted to pivoting lid
- Control cage adapter with cast chrome liner
- Optional M-LOK wedge liner retention

**EZEFIT®**

Upgrade your existing **EZEFIT®** wheel to the **e-Wheel™** for almost half the cost of buying a replacement EZEFIT® bare wheel. The e-Wheel upgrade offers a stronger, longer lasting impeller, our exclusive patented **NuckleSaver™** technology and is almost half the weight of the EZEFIT®. Use your existing wheel housing and simply slide your existing wheel off the motor and slide the e-Wheel on – it's that simple. Half the weight, half the cost and improved performance.



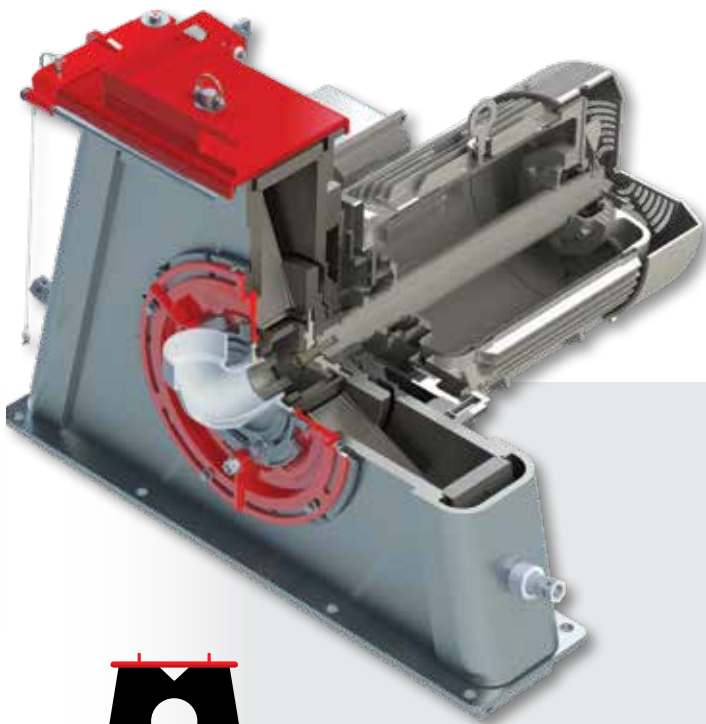
# M4



**M4 Features**

- 15HP – 75HP
- 2.5" wide blade
- 26"/260 ft/sec
- 37, 49, 70 degree control cages
- Nominal wheel opening dimensions – 5"wide x 44" long

# M5



**M5 Features**

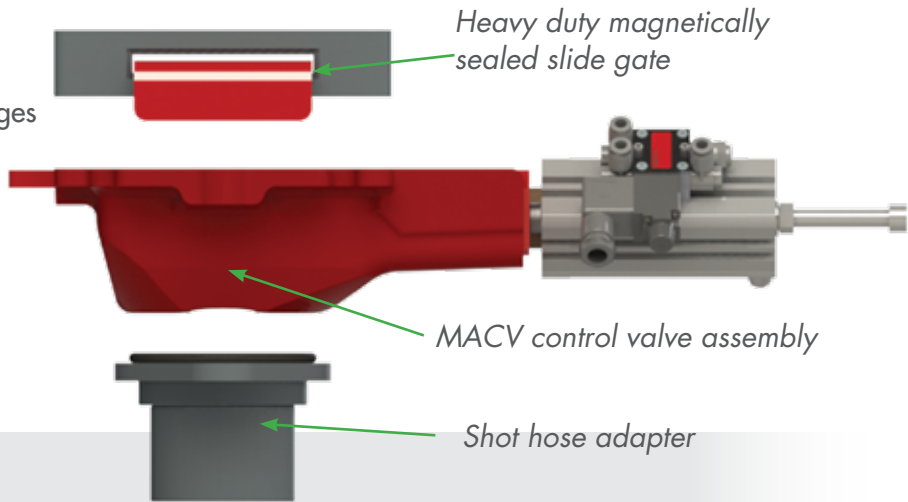
- 15HP – 125HP
- 3.5" wide blade
- 25"/250 ft/sec
- 37, 49, 70 and 100 degree control cages
- Nominal wheel opening dimensions – 6"wide x 40" long
- 100% Manganese housing
- Threadless end liner retention
- Standard and extreme duty options

**MACV**

**Abrasive Control Valve**

Heavy duty premium cast chrome abrasive valve - MACV

- Slide out cartridge assembly for ease of maintenance
- Cast alloy hardened body orifice
- Heavy duty magnetically sealed slide gate





Tougher

BCT has upgraded hundreds of engineered e-wheel upgrades to improve our customers’ existing blasting operation. We offer dozens of pre-engineered installation kits for virtually every other OEM, many of which allow for a simple bolt-on installation. We’ll provide you with installation drawings with on-site technical support or full turn key install – you name it, we can do it.



Wheelabrator® Wire Mesh



Pangborn® Spinner



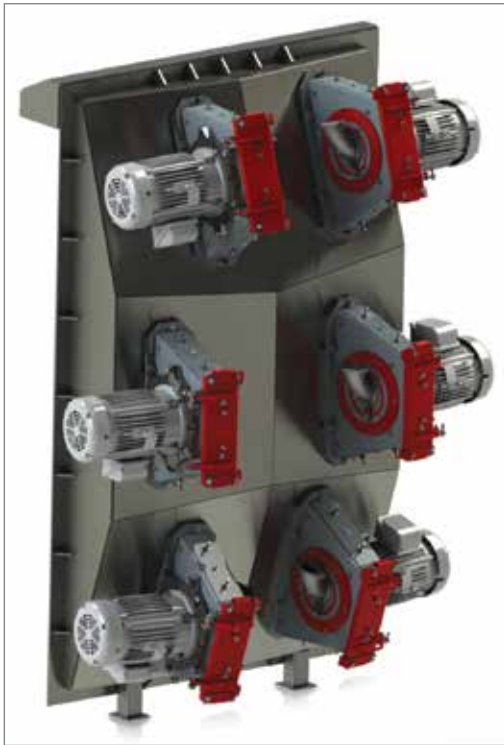
Wheelabrator® Spinner



Wheelabrator® Table



Wheelabrator® Spinner



Rosler® Spinner

Options:

- Abrasive control valves
- Feed lines
- Hardened feed lines
- Wheel pods
- Cabinet/Roof Plates
- Liner packages



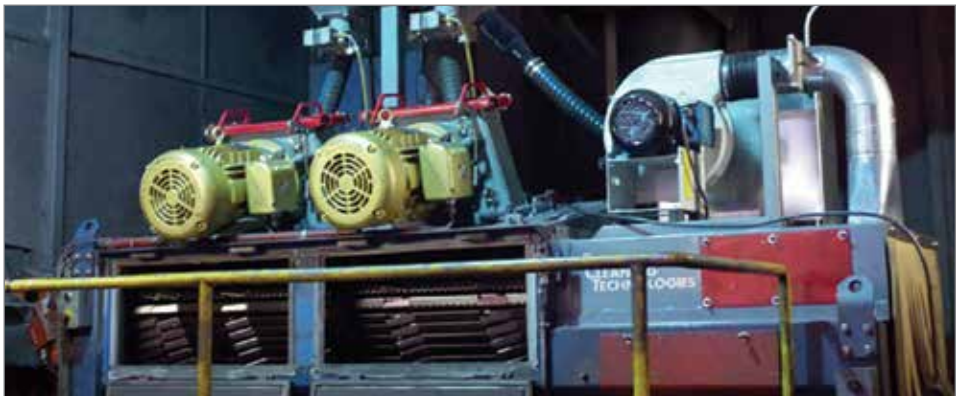
Jetwheel® Spinner



Pangborn® Spinner



Pangborn® Tumble



Rosler® Continuous

Performance Guarantee

We are so confident in the performance of our TwistLOK™ e-Wheel™ that we offer a no questions asked return policy within the first 60 days. Don't like the color? It's too quiet? Parts last too long? Doesn't vibrate enough so your operators don't know it's running? Whatever the reason, you can send it back to us for full credit. Try our TwistLOK™ e-wheel™ on your existing blast system – you will not be disappointed.



Pangborn® Roll Conveyor



Blastec® Plate



Blastec® Monorail



## ***We've Got You Covered***

**BCT** customer support comes in many forms, technical support, customer service, innovative products and investment in new technology. The foundation of our support is our commitment to having over \$3M in parts available, in stock, when you need them.

## ***MCAST™***

MCAST™ parts are designed as direct replacements for your current equipment. When your current OEM lets you down, contact BCT for high quality MCAST parts at competitive prices and guaranteed availability.



**In stock with same day shipment available.**

**THE CLEAR LEADER IN SHOT BLAST INNOVATION**

**BLAST  
CLEANING  
TECHNOLOGIES**

- World Class Heavy Duty Equipment
- e-Wheel™ Upgrades
- Shotblast Parts
- Machine Upgrades
- All supported by one of North America's largest Service Teams



**TECHNOLOGY. SERVICE. SOLUTIONS.**

**262.785.7577 • 6682 West Greenfield Avenue • West Allis, WI 53214 • bct-us.com**

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