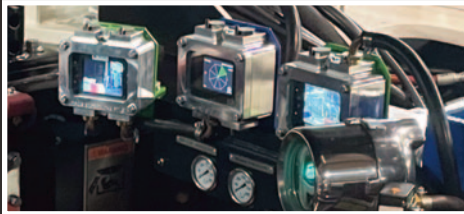


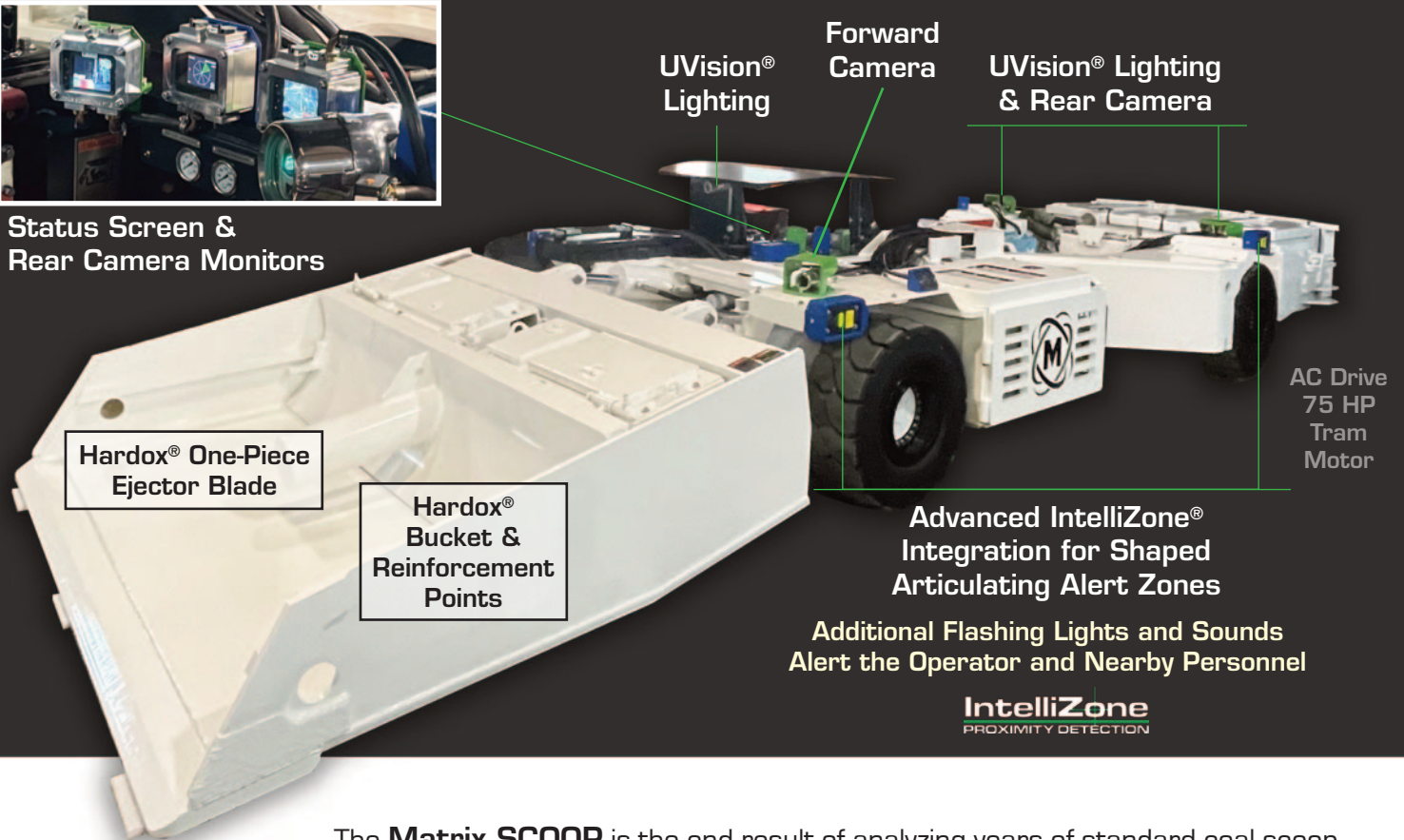


The Matrix SCOOP

A RUGGED, BUILT-FOR-PURPOSE
AC-DRIVE SCOOP FEATURING
AWARD-WINNING HAULAGE TECHNOLOGY



Status Screen &
Rear Camera Monitors



UVision®
Lighting

Forward
Camera

UVision® Lighting
& Rear Camera

Hardox® One-Piece
Ejector Blade

Hardox®
Bucket &
Reinforcement
Points

AC Drive
75 HP
Tram
Motor

Advanced IntelliZone®
Integration for Shaped
Articulating Alert Zones

Additional Flashing Lights and Sounds
Alert the Operator and Nearby Personnel

IntelliZone
PROXIMITY DETECTION

**2021
NIOSH
MINE SAFETY
& HEALTH
TECHNOLOGY
INNOVATION
AWARD
WINNER**

The **Matrix SCOOP** is the end result of analyzing years of standard coal scoop performance and where their structures failed the most. Matrix has designed the SCOOP to last longer in rugged mining conditions. How?

The SCOOP's bucket is made of **Hardox® steel**, which provides much longer service life than standard buckets. Hardox is also used at key reinforcement points and mounting brackets on the sides, bottom and cutting edge.

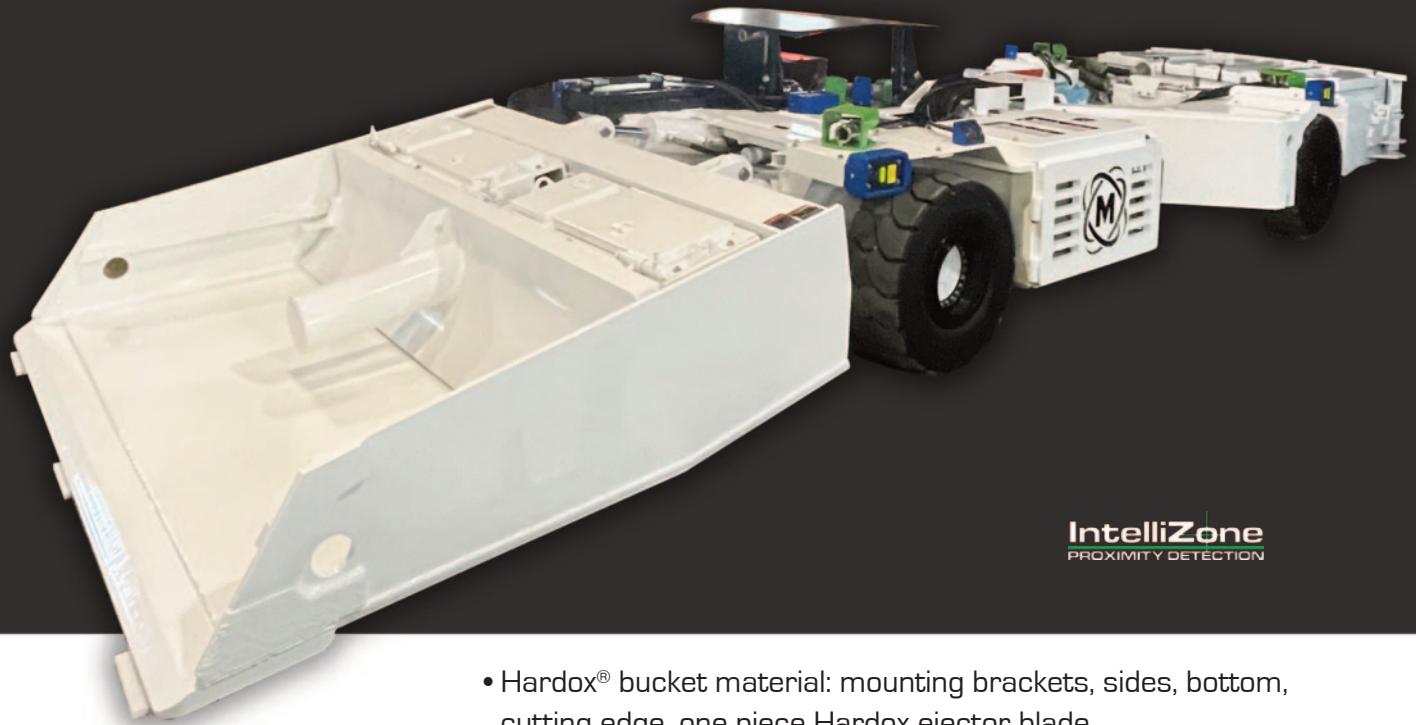
One-Piece Hardox® Ejector Blade – most blades are two piece, which leads to early failure. The SCOOP's one-piece design eliminates this structural weakness.

www.matrixteam.com 

Phone: 812.490.1525 • Fax: 812.490.1582 • 3299 Tower Drive • Newburgh, Indiana 47630 • email: sales@mainstream.com



The Matrix SCOOP



**A RUGGED,
BUILT-FOR-PURPOSE
AC-DRIVE SCOOP
FEATURING
AWARD WINNING
HAULAGE
TECHNOLOGY**

- Hardox® bucket material: mounting brackets, sides, bottom, cutting edge, one piece Hardox ejector blade.
- Rear frame uses 3/4" floor plate vs 1/2" and added 1X5" FB under tram motor.
- Boxed front frame behind bucket mounting weldments
- East Penn 650 amp hour, 240 volt battery
- Saminco electrics:
 - VFD pump and tram drives
 - 75 hp tram motor
 - 25 hp pump motor
- Kessler Axles w/ internal wet brakes
- Award winning IntelliZone® proximity detection system integrated with UVision® lighting, rear cameras, status screen and camera monitors in cab, and new light/audible alerts

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