Scoop™

Trailer Unloader

■ Autonomous trailer unloading engineered for variable loads.

BERKSHIRE GREY®

UNSTRUCTURED WALLS. NO PROBLEM.

Trailer unloading has historically been difficult to automate because real-world loads are irregular and unpredictable.

Scoop changes that.

By combining high-capacity bulk unloading with coordinated robotic picking, Scoop is engineered to handle a wide variety of unstructured loads – with safe intervention to manage non-conveyables.

Scoop operates in standard trailers with no modifications required – enabling rapid deployment in existing dock environments. The result is safer dock operations, increased unloading throughput, and reduced labor at the very front of the network.

Scoop™ At Work

BUILT FOR UNPREDICTABLE TRAILERS

Engineered to handle unstructured walls, loose floor piles, padded mailers, tubes, smalls, and mixed parcel formats – some of the most common and challenging conditions encountered in production environments.

HYBRID BULK + ROBOTIC UNLOADING

High-capacity bulk conveyance rapidly clears volume while dual robotic arms manage structured and densely-packed areas – balancing speed and control.

AUTONOMOUS DOCK OPERATION

Scoop operates autonomously inside trailers while maintaining controlled system behavior, guarded access, and safe human interaction when non-conveyable exceptions arise.

BROWNFIELD-READY DEPLOYMENT

Scoop operates in existing dock doors with downstream conveyor systems – no trailer modifications required and no disruption to upstream or downstream processes.

BUILT FOR REAL WORLD OPERATIONS

Engineered for reliability, serviceability, and predictable throughput in high-volume production environments, Scoop delivers real value immediately.

Operational Impact

- ☑ **Minimizes manual labor** from heavy, repetitive trailer unloading
- ☑ **Stabilizes dock throughput** despite load variability
- ☑ **Improves safety** in confined dock environments
- ☑ **Reduces fatigue-driven inefficiency** and injury exposure
- ☑ **Integrates autonomous parcel flow** at the network entry point

Measured Outcomes

1,000-2,000	>96%	1:5
pph	availability	human:system ratio

Performance outcomes vary by trailer condition and average package size.

Best-Fit Applications

- Manual trailer unloading
- High-volume parcel carrier hubs
- Dedicated eCommerce parcel networks
- 3PL distribution centers
- Brownfield dock operations seeking phased automation