IBRS

INDUSTRIAL BLAST & RECOVERY SYSTEM



A PRESSURE HOLD BLAST & RECOVERY SYSTEM ENGINEERED FOR HIGH-PRODUCTION SURFACE PREPARATION.

The Schmidt IBRS is a skid mounted abrasive blast and recovery system capable of using a wide range of abrasive media that reclaims and classifies the abrasive for reuse.

What it includes:

The IBRS consists of a Schmidt blast unit with either one or two blast outlets, an abrasive storage area above the blast unit, a vacuum reclaim system, and an abrasive cleaning system with a dust collector.

During operation the blasting occurs the same as any Schmidt equipment. To refill, the used abrasive is swept or blown to a pick-up trough where the vacuum system pulls the abrasive back to the IBRS. The abrasive first enters a cyclonic air wash chamber where dust and fine particles are removed. The reusable abrasive falls into the abrasive storage area where it is screened to remove any debris before reuse. The dust and fine particles are pulled into a cyclonic separator where the majority is removed for disposal. Lastly, the vacuum air enters a dust collector that removes any residual dust from the vacuum air.

OPTIONS AVAILABLE

- Additional Thompson Valve II outlet (upgradeable to 2 outlets)
- Remote Abrasive Cutoff : Pneumatic (per outlet) or Electric (per outlet)
- High-efficiency secondary cyclone (extends dust collector filter life)
- 20 CF external reclaim hopper for extended operations
- Tungsten carbide sleeve for Thompson Valve II
- 800 CFM moisture separator
- Floor trough system
- 6.5 CF, 10 CF, and 20 CF vessel configurations available

FEATURES

Multiple blast vessel sizes available

- Schmidt® Blast Controls
- Integrated abrasive storage hopper to refill the blast vessel for extended blasting
- Two-stage abrasive reclaimer with **adjustable air wash**
- Vibrating screen catches paint chips and debris before abrasive reaches the blast vessel
- Cyclonic dust extraction to extend the life of dust collector filters (Optional)
- Automatic pulse jet dust collector minimizes filter clogging during operation

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IBRS

Two-stage recovery and integrated storage hopper for extended blast time.

SPECIFICATIONS

Blast Controls

1-1/2” Thompson Valve II or Tera with automatic air valve. Pneumatic or Electric deadman controls with ComboValve blowdown. Standard single outlet; upgradeable to two outlets (10 CF and 20 CF variants).

Integrated Storage Hopper & Reclaimer

Integrated abrasive storage hopper mounted above the blast vessel that automatically recharges the blast vessel by gravity when depressurized (approximately 3-minute transfer time). Two-stage air wash reclaimer with cyclonic action and **adjustable air wash** for optimizing dust removal vs. media retention. Vibrating screen catches paint chips and debris before abrasive reaches the blast vessel. Access via upper hopper door and lower hopper door for inspection and cleaning.

Dust Collector

Two or Four-cartridge design with pleated filter elements accessible through hinged door. Automatic 120 VAC pulse jet controls with Magnehelic gauge for filter sensing. Butterfly valve for accumulated dust drainage.

Blower & Electrical

10 HP electric centrifugal blower. 460 VAC,. 120 VAC for automatic pulse timer board. 12 VDC for blast controls.

INDUSTRY USE CASES

The IBRS gives you a blast room setup without building a blast room. Install it alongside an existing structure, connect air and power, add an abrasive reclaim trough (above ground or inground), and you have a complete blast and recovery operation, at a fraction of the cost of blast room construction.

The IBRS can be installed in a wide variety of facilities.

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Contact your local Schmidt distributor or call Schmidt below for distributor information.

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