

## Blast Room Design Checklist (Sizing, Airflow, Recovery)

Use this checklist to ensure your blast room is designed for efficiency, safety, and long-term performance.

### Sizing & Layout

Item	Yes	No	Notes
Room fits largest part with adequate operator clearance			
Door size accommodates largest components			
Material handling flow is efficient (in/out)			
Future expansion considered			
Adequate maintenance			

### Airflow & Dust Collection

Item	Yes	No	Notes
Airflow designed for full room coverage			
Air velocity adequate for dust removal			
Dust collector properly sized for CFM load			
Ductwork minimizes buildup (no dead zones)			
Make-up air properly balanced			

### Media & Application

Item	Yes	No	Notes
Correct media type selected (shot, grit, or mix)			
Media flow consistent and controlled			
Recycling system maintains media quality			
Dust separation effective			
System supports required surface profile			

### Safety & Compliance

<u>Item</u>	<u>Yes</u>	<u>No</u>	<u>Notes</u>
Proper ventilation and dust control in place			
Explosion protection considered (if applicable)			
Operator PPE defined and available			
Emergency stops and interlocks installed			
System meets OSHA/NFPA requirements			

### Lighting & Visibility

<u>Item</u>	<u>Yes</u>	<u>No</u>	<u>Notes</u>
Adequate lighting for full room visibility			
Explosion-proof lighting installed			
Light-colored interior surfaces used			
No shadowed work areas			
Operator visibility optimized			

### Maintenance & Operation

<u>Item</u>	<u>Yes</u>	<u>No</u>	<u>Notes</u>
Easy access to wear components			
Dust collector maintenance accessible			
Routine maintenance plan established			
Spare parts availability considered			
System designed to minimize downtime			

### Next Step

If your checklist reveals gaps, your blast room may be under performing. A properly engineered system improves efficiency, reduces maintenance, and increases throughput,

