

Overhead Crane Selection Checklist

Standard vs. Low Headroom Overhead Crane

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Before making your final procurement decision, please verify the following crucial parameters with your engineering team. This checklist is designed to help project managers, procurement teams, and engineers select the most suitable overhead crane solution while avoiding costly modifications in the future.

1. Building & Structural Conditions

■ Workshop Height

What is the total available ceiling height (from floor to the lowest roof obstruction)?

■ Crane Span

What is the exact distance between the runway rails?

■ Runway Conditions

Are the existing runway beams and rails capable of supporting the new crane's wheel load?

2. Operational Requirements

■ Lifting Capacity (SWL)

What is the maximum weight of the heaviest load you need to lift?

■ Lifting Height

What is the required distance from the floor to the highest point the hook needs to reach?

■ Working Duty/Class

How frequently will the crane be used (light, medium, or heavy-duty operation)?

3. Budgetary Factors

■ Equipment Cost

Compare the initial purchasing cost of standard and low headroom crane models.

■ Installation Cost

Does installation require workshop modifications such as roof raising or structural changes?

■ Maintenance Cost

Evaluate spare part availability and long-term maintenance expenses.

4. Future Expansion Needs

■ Production Expansion

Will you be handling larger or heavier materials within the next 3–5 years?

■ Equipment Upgrades

Will future machinery installations require additional lifting height or clearance?

Inspector Information

Inspector Name	
Company	
Department	
Email	
Phone	
Inspection Date	
Signature	

HSCRANE Engineering Recommendation

If your workshop has limited vertical clearance and maximizing lifting height is critical, a low headroom overhead crane may provide the most efficient solution. For workshops with sufficient headroom, a standard overhead crane often delivers a lower initial investment and simpler maintenance. Contact HSCRANE for a free technical consultation and customized crane selection proposal.