



THE ULTIMATE GUIDE TO CHOOSING THE RIGHT

MATERIAL HANDLING EQUIPMENT

FOR YOUR ORGANIZATION





INTRODUCTION



Choosing the right material handling equipment is pivotal for enhancing operational efficiency, safety, and profitability in warehousing, manufacturing, or logistics. Our comprehensive guide delves into essential considerations for selecting equipment that aligns with your business needs.

From **goods lifts** and **conveyor systems** to **scissor lifts** and **automated solutions**, we explore a variety of equipment, highlighting their features, benefits, and ideal applications.

At **Nandan GSE**, we recognize the uniqueness of each business's demands. Our guide is crafted to equip you with the insights necessary for informed decision-making, offering practical tips and recommendations to improve your material handling processes, boost productivity, and reduce downtime.

Designed for both newcomers and experienced professionals, this guide is your essential resource for navigating the diverse equipment options and selecting the optimal solution to elevate your business operations. Let's embark on this journey to operational excellence together.





Assessing Your Material Handling Needs

Before selecting material handling equipment, it's essential to evaluate your business's specific needs and operational requirements comprehensively. Start with an assessment of the materials you handle, considering their weight, size, fragility, and any special requirements. This evaluation will guide you in determining the necessary capacity and specifications for your equipment.

Additionally, review the layout and available space in your facility, including aisles, doorways, and storage areas, to ensure the chosen equipment can navigate and fit within these constraints. Identifying any bottlenecks in your current material handling operations is crucial at this stage. Understanding where delays occur or where inefficiencies arise can help you pinpoint areas where specific equipment or process improvements are needed.

Furthermore, it's essential to identify the application for your material handling equipment. This could include tasks such as truck loading and unloading, aerial access for stacking or retrieving items from high shelves, loading docks operations, or simply moving materials efficiently across floors within your facility. Each application may require different features or types of equipment, so clarifying these requirements early in the process is key.






**LOADING &
UNLOADING**
SOLUTIONS

**Material Handling
Equipment For *Your* Needs**

Optimizing your material flow is crucial for any business, from manufacturers and warehouses to logistics and retail. But with diverse operations and varying challenges, choosing the right equipment can feel daunting. The next pages will help you navigate the options by matching common bottlenecks, applications, and material types to effective material handling solutions, including those offered by your company, alongside additional equipment options for a comprehensive overview.



**The Right
Fit**

Navigating Your Bottlenecks



Loading & Unloading Inefficiencies



Streamline these processes with hydraulic scissor lifts, dock levelers, tail lifts, or truck loading platforms. Consider features like automatic operation and adjustable platforms for added efficiency.

Limited Vertical Movement



Overcome height restrictions with hydraulic goods lifts, vertical lifts, or stackers. For lighter loads, mezzanine platforms can maximize storage space.

Heavy or Bulky Loads



Opt for robust solutions like forklifts, truck mounted crane, or heavy-duty scissor lift. Specialized attachments like fork tines, pallet grabbers, or drum clamps can enhance versatility.

Aisles Congestion



Maximize space with narrow-aisle scissor lifts, automated guided vehicle (AGVs), or conveyor systems for efficient horizontal movement.

Limited Reach



Extend your reach with telehandlers, boom lifts, or articulating cranes to access height or distant locations.



Matching Equipment to Your Application



01 Hydraulic dock levelers, scissor lifts, tail lifts, or truck loading platforms.

Truck
Loading &
Unloading:

02 Hydraulic goods lifts, vertical lifts, stackers, mezzanines.

Vertical
Movement
of Material
Across
Floors

03 Dock levelers, scissor lifts, tail lifts, truck loading platforms, dock shelters.

Loading
Docks

04 Storage racks, pallet trucks, forklifts, conveyor systems, order picking systems.

Storing and
Retrieving
Inventory

05 Forklifts, cranes, heavy-duty pallet jacks, specialized attachments.

Lifting and
Moving
Heavy
Materials



Types Of Equipment



01

Goods Lift



03

Tail Lift



02

Scissor Lift



04

AGVs



05

Truck Loading Platform



06

Heavy-Duty Scissor Lift





Factors To Consider When Selecting An Equipment



Equipment Reliability and Durability



Compatibility with Existing Infrastructure



Ease of Maintenance and Serviceability



Operator Training and Skill Requirements



Scalability and Future Expansion



Energy Efficiency





How To Choose The Right Manufacturer For Your Material Handling Needs



R

Reputation & Experience

Look for manufacturers with a proven track record and extensive experience in the material handling industry.

C

Customization

Ask the question. Do they offer customization of equipment so that it can meet your specific needs?

S

Support & Service

Manufacturer that provides comprehensive support can save you time and resources in the long run.

R

References & Testimonials

Ask for references from other customers or look for testimonials and reviews online.



→ **Upfront Costs**

Compare prices from different manufacturers & consider the value for money offered.

→ **Operating Costs**

Factor in fuel/electricity, maintenance, repairs, and training equipment's cost for long-term costs.

→ **Return on Investment (ROI)**

Measure how long it will take to recoup your initial investment.

→ **Total Cost of Ownership**

Consider upfront, operating costs, equipment lifespan, residual, & potential resale value in your evaluation

By carefully considering the costs associated with material handling equipment and budgeting accordingly, you can make an informed decision that aligns with your financial goals and constraints.



You Are Eligible For A **Free** Assessment



How?



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Since its inception in 1991, Nandan GSE has soared to unparalleled heights as a trailblazer in Aviation Ground Support Equipment (GSE) manufacturing and Material Handling Equipment. With unwavering dedication to innovation, precision engineering, and unwavering commitment to excellence, we have cemented our position as an international leader in the industry.



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