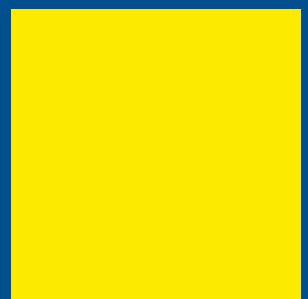
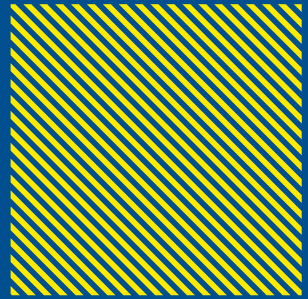
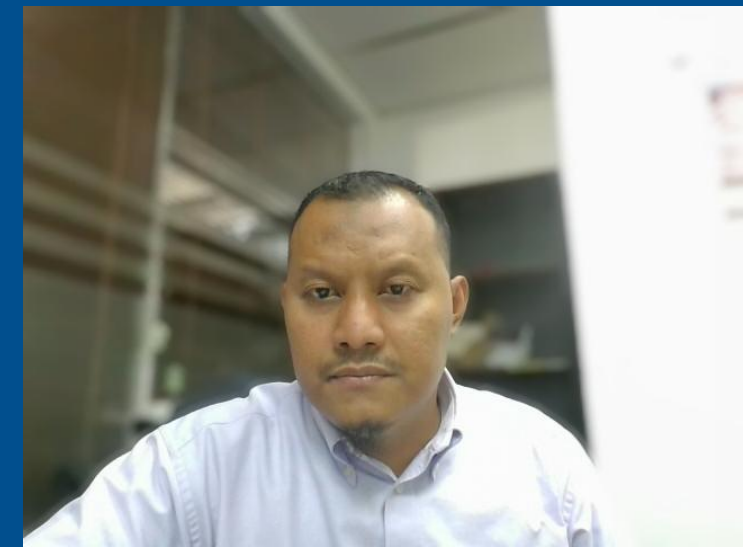


Material Handling Equipment: Driving Operational Excellence

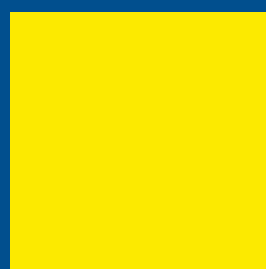
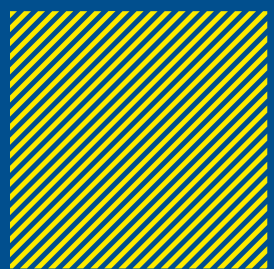


Dr Kasmaruddin Che Hussin, CMILT
Universiti Malaysia Kelantan



Slide 2: Agenda

- Introduction to Material Handling Equipment
- Manual Handling Equipment
- Automated Equipment
- Storage Equipment
- Lifting Equipment
- Integration & Future Trends
- Q&A and Strategic Discussion



Slide 3: Introduction to Material Handling Equipment

- Definition: Comprehensive systems used to move, store, control, and protect materials.
- Strategic Importance: Enhances operational throughput, safety, and cost efficiency.
- Corporate Perspective: Aligning advanced equipment solutions with our commitment to lean operations and sustainable growth.



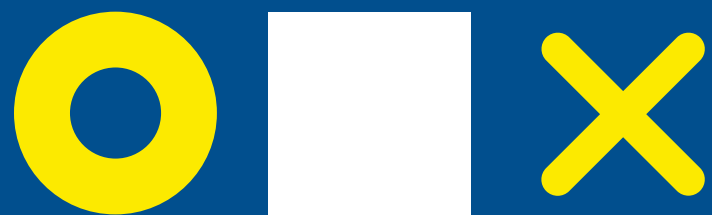
Slide 4: Manual Handling Equipment



- Overview: Equipment operated directly by personnel.
- Examples:
 - Pallet jacks
 - Hand trucks
 - Carts and dollies
- Key Benefits:
 - Flexibility and low initial investment
 - Ergonomic design to promote operator safety
- Corporate Insight: Cultivating a safety-first culture while maximizing operational flexibility



Slide 5: Automated Equipment



- Overview: Technology-driven systems that minimize manual intervention.
- Examples:
 - Conveyors and automated guided vehicles (AGVs)
 - Robotic arms and smart sorting systems
- Key Benefits:
 - Enhanced throughput and precision
 - Reduced human error and improved consistency
- Corporate Vision: Driving digital transformation to secure operations and secure market positioning.



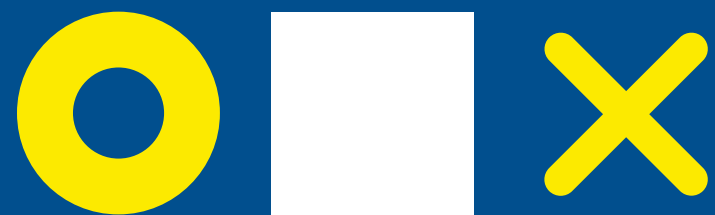
Slide 6: Storage Equipment



- Overview: Systems designed for optimal storage and retrieval of inventory.
- Examples:
 - Pallet racking and shelving systems
 - Automated storage and retrieval systems (AS/RS)
- Key Benefits:
 - Maximized space utilization and efficient inventory management
 - Enhanced safety protocols and rapid access
- Corporate Strategy: smart storage solutions for operational agility and responsiveness.



Slide 7: Lifting Equipment



- Overview: Equipment engineered for the safe and efficient elevation of materials.
- Examples:
 - Forklifts and overhead cranes
 - Hoists and industrial lifts
- Key Benefits:
 - Increased load capacity and improved workflow efficiency
 - Critical emphasis on safety and regulatory compliance
- Corporate Perspective: Investing in robust lifting solutions to empower productivity while maintaining safety.



Slide 8: Integration & Synergy Across Equipment



Strategic Integration:

- Harmonizing manual, automated, storage, and lifting systems
- Achieving seamless workflows and operational cohesion

Value Proposition:

- Reduced downtime and elevated process efficiency
- Scalable systems driving long-term ROI

Corporate Takeaway: Building an interconnected ecosystem for improved performance and sustainable advantage.



Slide 9: Future Trends & Innovation



Emerging Technologies:

- Industry 4.0 integration, IoT, and AI-driven analytics
- Predictive maintenance and digital twin models

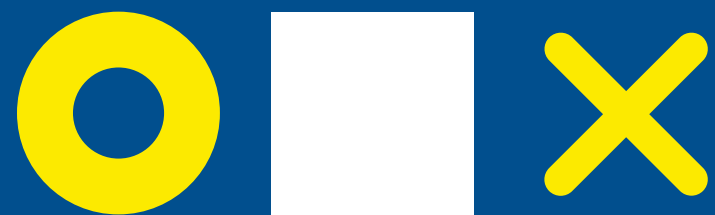
Strategic Foresight:

- Embracing innovation to anticipate market disruptions
- Positioning for dynamic, agile supply chain evolution

Corporate Outlook: Committing to continuous technological investment to maintain market leadership



Slide 10: Conclusion & Q&A



Summary:

- Recap of material handling equipment and their strategic benefits
- The synergy between manual, automated, storage, and lifting solutions

Next Steps:

- Evaluate current systems and identify transformative opportunities
- Embrace innovation to drive operational excellence

Call to Action:

- Engage in a collaborative dialogue to explore strategic improvements

Final Corporate Message:

- “Empowering our operations to be resilient, efficient, and safe”

