Determining what ASRS Solution Is Best For my Application

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Equipment Manufacturers/Suppliers

Component Suppliers



POWERED BY POSSIBILITIES.

Agenda

1) What factors do I need to consider before selecting an ASRS?

2) What ASRS solutions are available? Which is suitable for me?



So You Want To Build An ASRS...?

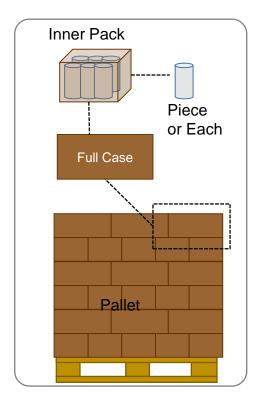
Some questions to think about...

- What are my load units?
- What are my throughput requirements?
- What is my order structure?
- What are my storage requirements?
- How many SKUs am I storing and what sort of ABC profile do they fit?
- What is my building situation?
- How do I plan for the future?



In The Beginning There Was A Load Unit...

- How are my items received?
- How are my items picked?
- How are my items shipped?
- What are the dimensions of my products?





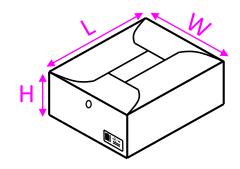
What Items Do I Have?

- Item Characteristics
 - Ambient vs cold/freezer
 - Large or small?

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- Length, width, height, weight....
- Hazardous or caustic?





• Are my products conveyable or "toteable"?



What Is My Key Data?

Key Data:

- # of Orders?
- # of Order Lines?
- # of Picks?
- Picks / Order Line?
- # of SKUs?
 - How many are active a day?
 - DOH Inventory
 - # of storage locations required?
- SKU ABC profile?
 - 80/20?



Where Do I Put This Thing?

- Install it within my existing facility?
 - What area of the warehouse?
 - What is the clear height?
 - How does it fit into my existing material flow?
- Greenfield (new) construction?

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• Plan your ASRS before you finalize your building!!



How Do I Plan For The Future?

- Do not "land lock" it within your warehouse!
 - Place it near areas of the building that can be used for future expansion
 - Place it next to walls where the building can be expanded

- Leave space within the ASRS design for future aisles
 - 5 year plan vs 10 year plan



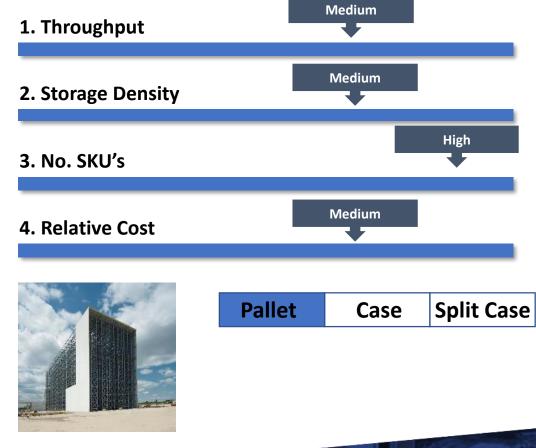
Other Good Things To Consider...

- How far in advance do I pick my orders before they are shipped?
- When does my peak take place?
- What is my current shift structure and what is my plan for after ASRS?
- What are my goals for ASRS?
- What is my timeline?
- What sort of ASRS technology best fits my application?
- What level of IT investment should I make (WMS vs WCS) with my ASRS project?



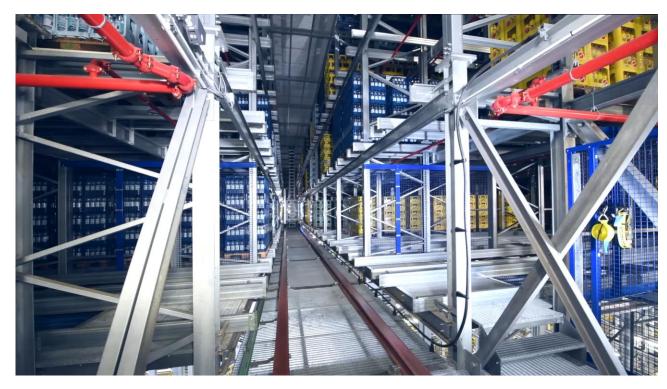
SRM with Forks

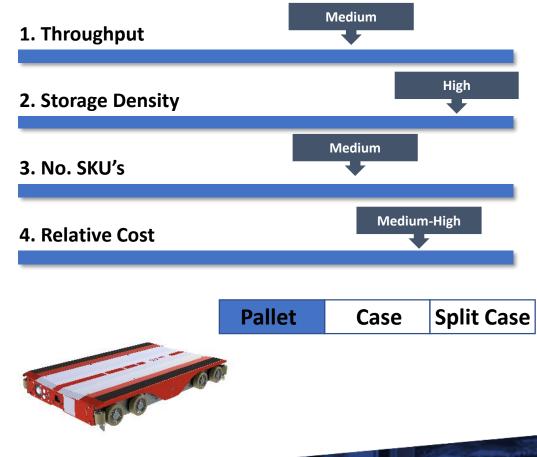






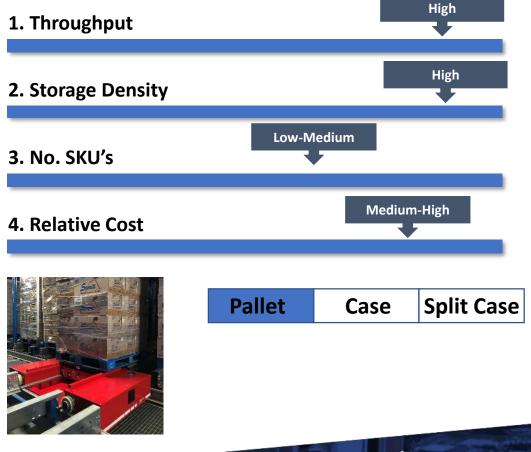
SRM with Satellite





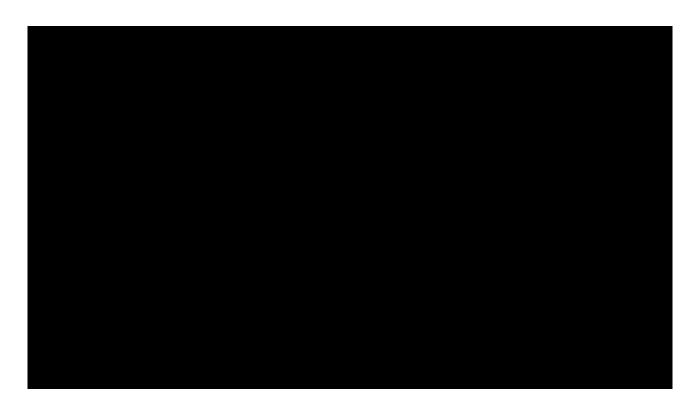
Shuttle

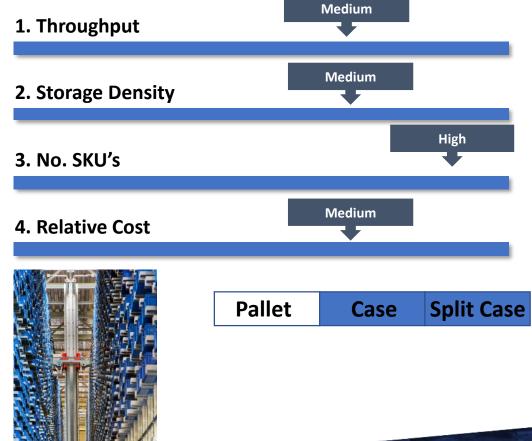






Miniload

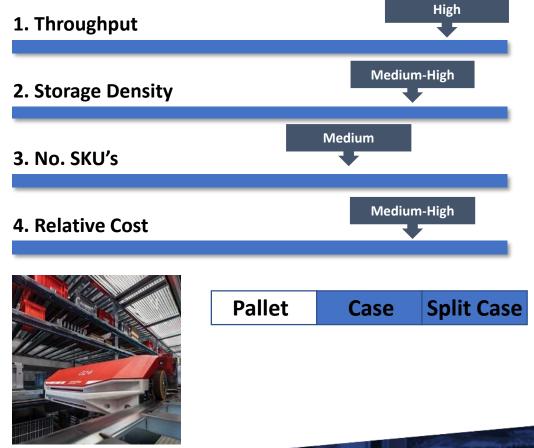






Shuttle

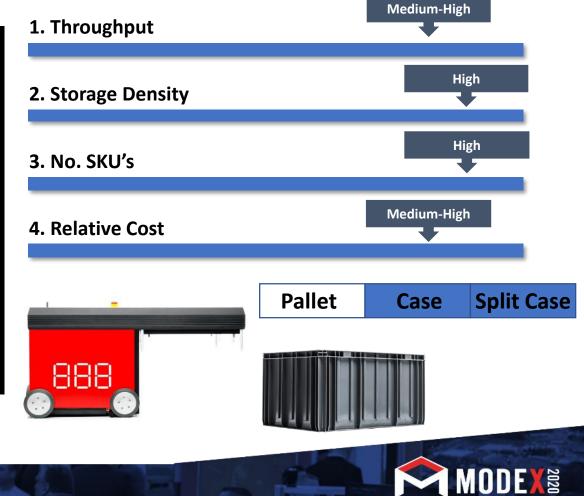






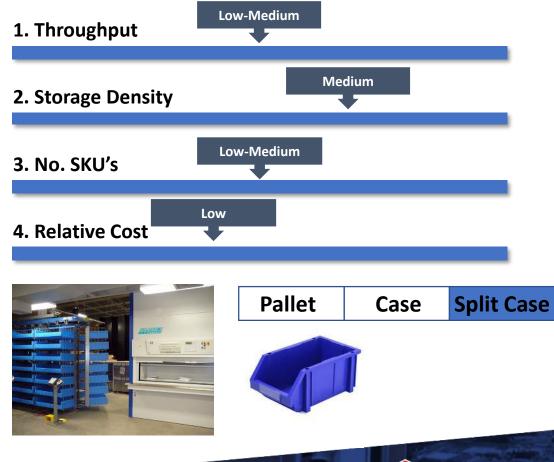
Cube Storage





Horizontal/ Vertical Carousels

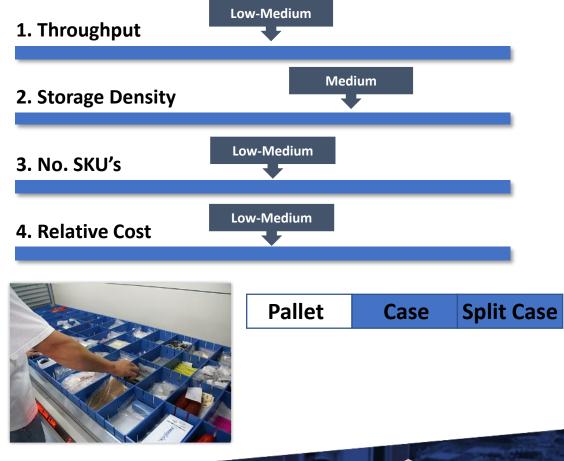






Vertical Lift Modules (VLM's)







For More Information:



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