Industrial Cart Solutions: Decreasing Operator Ergonomic Stress Points and Increasing Efficiency

- Rotating
- Lifting
- Reaching
- Placing
- Positioning

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Rotate Carts

- Minimize operator movement.
- Decant more efficiently.
Lift Solutions

- Safely brings material to optimal operator height.
- Ideal for elevated work centers.
- Pneumatic, hydraulic, and manual options.
Reaching Solutions

• Angled to improve reach position for operator when decanting.
• Can be in permanent fixed position or tilt after arriving at work cell.
Placement Solutions

- Engineered to properly place categorized material in designated sections.
- Designed to add/remove material in optimum locations for efficiency.
Positioning Solutions

• Carts can be designed to interface with fixed roller systems to move into work cells or holding areas.
• Dunnage moved in seamless manner without stress on operator.
Case Study #1:

- Customer exploring solution for efficient movement of kitted material and help for operator reach when obtaining material.

- Ergo bend handle created for ease pushing/pulling.

- Spring loaded ladder system engineered to assist operator when reaching for material.

- Delivery shelf system created for placement of designated kitting material.
Case Study #2:

- Customer required towable system that would optimize amount of material being transferred and improve ergonomics.

- A “leaf” style system created

- Material protected in transit with easy access into shelves to access material.

- Shelving designed at height levels optimal for operator reach and transfer.
Case Study #3:

- Customer required a towable system that incorporated optimal ergo height and operator placement of material.

- A “self leveling” system created that slowly drops as material is loaded onto the platform.

- Operator perform duties within sound ergonomic reach and height zones.
Case Study #4:

- Customer required towable four lane roller system with rotate capability and additional storage shelving.

- Engineered to accommodate four lane request at positioning height that interfaces with other conveyor systems.

- Second layer designed at preferable ergo height.

- Rotate feature increases efficiency, as operator is not required to walk around cart to move more product.

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Contacts

Rob Jorden
Blickle U.S.A.
Rob.Jorden@blickle.us
(470) 414 2322

Terry Parmelee
Kinetic Technologies (K-Tec)
terryparmelee@ktecinc.com
440-943-4111 X. 226
Questions?