‘Lazy Susan’ has nothing on this Creform Cart

Three levels with twenty positions on each level has this cart ready with an ergonomic “strike zone” for the operator

Greer, SC—Creform Corporation engineers have designed and built a cart to support small-batch production for an auto parts manufacturer. The cart, designed in a ‘Lazy Susan’-like configuration, carries batches of parts through a multi-stage manufacturing process to produce fully assembled blower units which are a subassembly for a larger HVAC module. The cart shelves rotate to allow access to the various parts. The custom design with bracing creates a cart that is both strong and rigid.

The unique cart features three levels. Each level has twenty positions for damage-free handling and secure transport of parts. Each circular level features lightweight corrugated plastic then foam dunnage on top with cut-outs to match the diameter of the parts being handled. Each level is free to rotate so the operator can move the parts into position for retrieval/replacement, while each of the three levels of product presentation is in the ergonomic “strike zone” for operator convenience and productivity.

In this application, the parts are presented without packaging, which saves production time and space by not having to deal with boxes, dunnage, etc.

The cart features four 6 in. dia. casters with urethane wheels for easy, stable and safe movement. The wheels lend themselves to easy movement of the structure for transportation from the warehouse through the various manufacturing stations in the facility. They can easily be repositioned among the stations by associates with a conveniently located handle that is situated across the entire back of the cart. For added stability,
‘Lazy Susan’ has nothing…2/ with photo and caption

Embedded photo is for reference only. Hi-res photo is attached as separate file.

when the need arises, two of the casters feature brakes that can be engaged for secure positioning.

The cart carries a 48 in. x 60 in. footprint and is designed to hold up to 350 lb. Higher capacity and custom cart sizes are possible as are a variety of colors for visual identification by department, product line, shift and associate to name a few. They can be configured for ESD (anti-static) applications as well.

Further, options can include feet, rather than wheels for stationary operations and the cart can be outfitted with a hitch for towing by a Creform AGV Tugger unit to make the cart part of an AGV-supported kitting system. Creform carts are available as an assembled structure or kit with pre-cut pipe for quick, on-site assembly and complete DIY solution.

The Creform System is used to create an array of material handling and efficiency enhancing devices and is a proven component in continuous improvement and Lean Manufacturing programs. The company partners with customers in developing and implementing these programs.

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Caption CRE-596: Creform designed and built batch cart with three-level ‘Lazy Susan’ access for ease of production.