

Mini-FlexTrack Portable Positioning System



Description

- The Mini Flex Track is a modular two-axis numerically-controlled positioning system that solves a 5-axis application.
- Provides extremely accurate positioning for a variety of tools used in manufacturing processes: drill spindles, inspection probes, die grinders, etc.
- The X-axis is a flexible vacuum rail attached to the contoured part and runs parallel to the drilling pattern or cutting surface eliminating the Z-axis.
- The Y-axis rail has a quick-disconnect interface that accepts various end effectors.



Applications

- Flexible alternative to Drill Jigs.
- Currently used in the manufacturing of 787 Wings and Fuselage.



MOBILE TOOL
MANAGEMENT

Features

- **Modular design to support many tools.**
- **Quick disconnect from X-Axis Rail.**
- **“Anti-gravity” feature for fast operation, and setup.**
- **Supports any file format for part programs.**
- **Intuitive, easy-to-use operator interface.**
- **Operation via numerical data-sets or via operator-driven position programming.**
- **Datasets loaded via USB, Bluetooth, or Ethernet (wired 802.3 or WiFi 802.11b/g)**
- **User Interface offers International language support.**
- **Built-in barcode reader can reduce setup and process times.**

Product Specifications

- **Physical Characteristics**
 - » **Carriage Dimensions: 11”(W)x 11”(H)x 11”(D)**
 - » **Carriage Weight: 28 lbs.**
 - » **Contour limit: 70 inches concave or convex.**
 - » **“X” Rail length: 69 inches. (Can be sized to customer needs.)**
 - » **“Y” Rail: 36 inches & 17 inches (also available curved)**
- **Mechanical**
 - » **Positional accuracy: 0.001 inches (no tool); 0.015 inches (with Quad Pod Drilling System)**
 - » **Maximum tool weight: 16 Lbs. (Optional attachments to allow Quackenbush Drill Motors for large holes)**
 - » **Air requirement: 100 PSI**
- **Electrical**
 - » **Power: universal input voltage (85-264VAC, 47-63Hz); 500W max power consumption**

For more information go to our website: www.miniFT.com

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