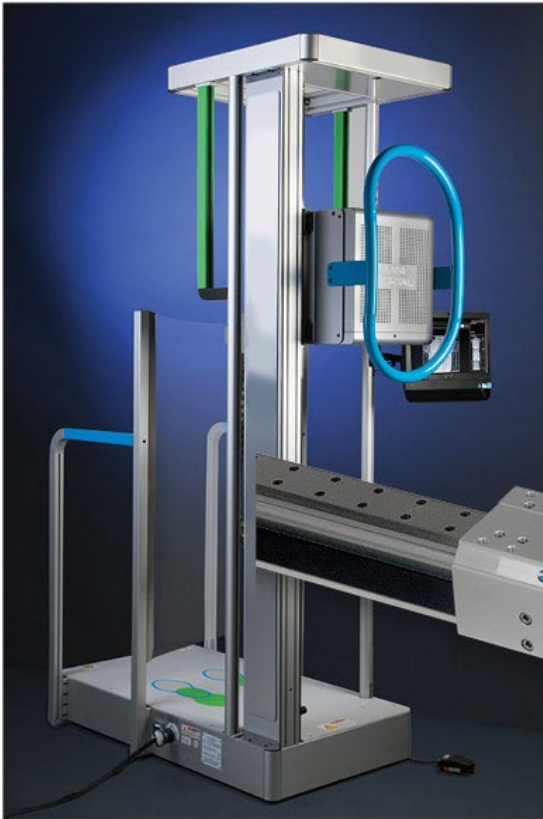


APPLICATION SOLUTION: Thermo Conductive IR Scanning



Product Family: Electric
Product Used: MXB-P Heavy Duty
Linear Actuator
Product Type: Standard

Application Requirements:

Stroke: 68 inches
Speed: 3 in/sec
Load: 50 lb
Orientation: Vertical
Moment: Overhung Load

Application Description:

Actuator for full body IR scanning, Thermo Scanning systems - Security.

Challenge:

A manufacturer of a non-invasive, 360 degree body thermo conductive IR scanning system required an actuator with a large moment loading capability to support the systems' overhung load. The application required completion of the full 360 degree body scan within 30 seconds. Other requirements included a compact design, durability, quiet operation and long service life.

Tolomatic Solution:

MXB32P heavy duty belt-drive rodless linear actuator was chosen for its high moment capacity. The rodless actuator easily fit within the space constraint of the scanner design and its max speed of 150 in/sec exceeded the application requirements.

Customer Benefit:

- Quiet, smooth motion
- Compact profile of MXB helped retain the scanner's compact size
- Integral part of the open design - preventing privacy issues