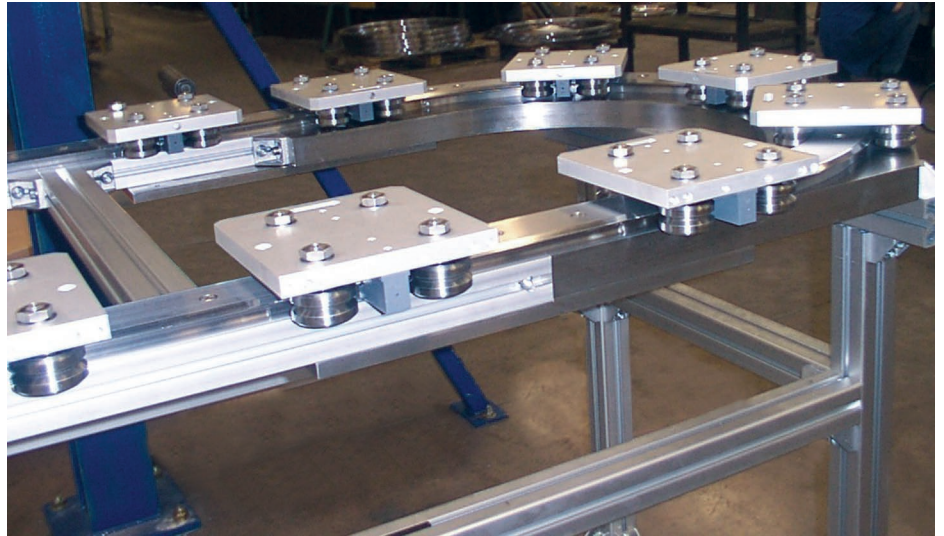


Medical Equipment

Application Profile

Clean Environment Application Calls for Accurate and Reliable Solution



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Challenge

A customer that builds multiple process filling applications required their automated filling line for various powders to operate 24 hours per day with high stopping accuracy while providing total reliability within a clean environment.

Application Description

The long filling line incorporates 75 carriages which are linked together. Each carriage carries 4 glass bottles on a special fixture that is attached to the carriage plate. A series of continuous indexing, stopping and starting takes place at each workstation with each operation requiring the bottle to be positioned within 0.025mm.

Solution

The Hepco Precision Ring and Track (PRT) system, made completely out of stainless steel, provided the ideal solution for this demanding application. A 10 meter ring and track system

that is linked together with adjustable length connecting rods is driven by a common scroll drive positioned on one side of the system. This method ensures that all carriages are indexed smoothly and accurately to the next filling station with no “lost” motion.

The stainless steel system is ground all over for maximum corrosion resistance which is an important aspect for a medical application. The need to run without the possibility of any contamination requires the PRT to run totally dry. Very few systems can tolerate such conditions and still provide a 10 year service life.

Products Used

- HepcoMotion PRT

Contact us to discuss your specific linear motion needs:
888.580.8272
– or visit us online at www.bwc.com

(Catalogs may be downloaded directly from www.bwc.com)