

Typical Applications

Microcomputer-Controlled X-Y Table

Objective

Create a highly accurate, cost-effective system to position the workpiece for precise milling and drilling on a vertical machining center.

Solution

Use Thomson Saginaw Precision ball screw assemblies, Super Ball Bushing* bearing pillow blocks, and 60 Case* LinearRace* shafting on low-profile support rails.

Products Specified

X-axis

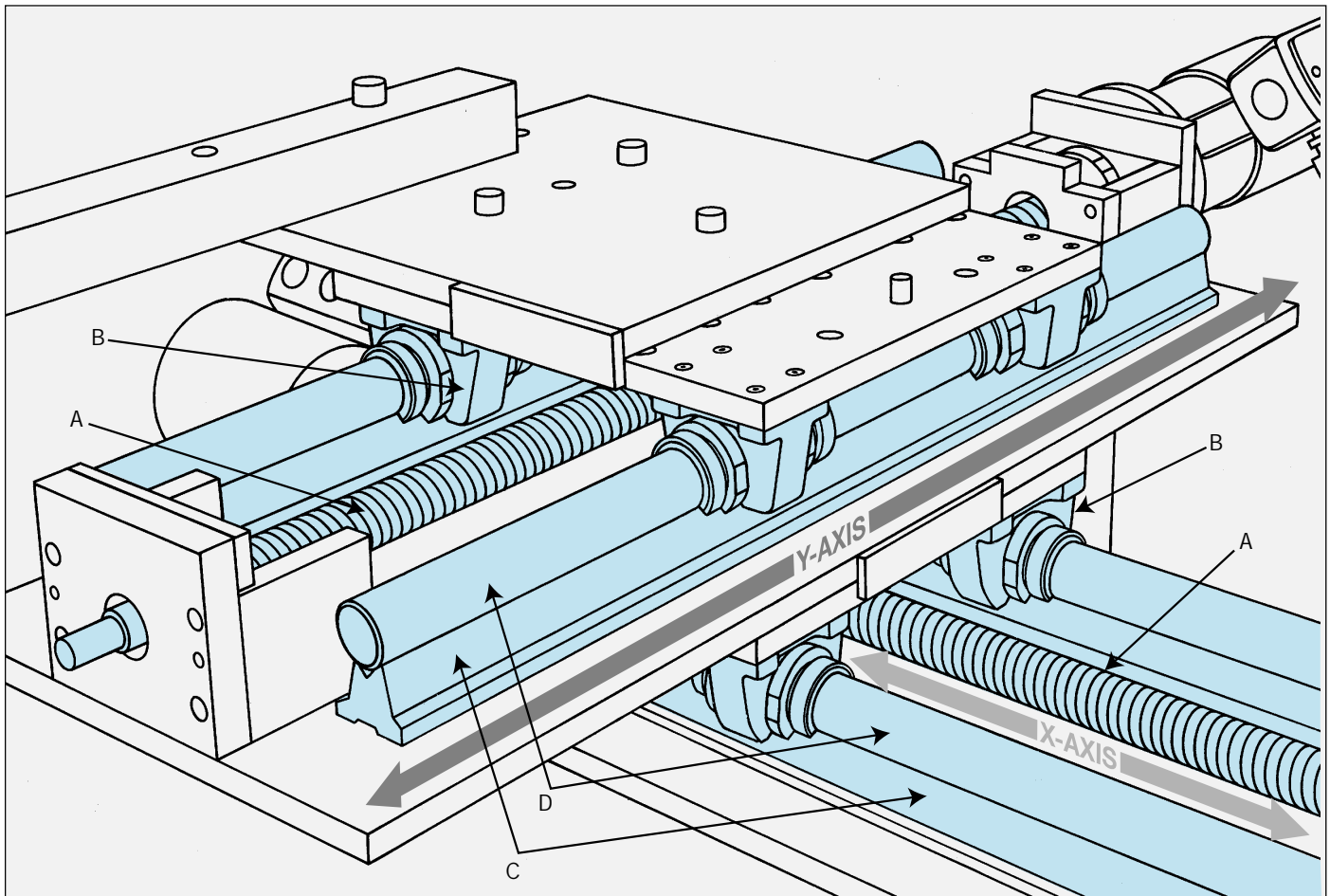
- (A) 1 - 1.150 x .200 Thomson Saginaw* Precision ball screw assembly
- (B) 4 - SPB OPN 24 (pillow blocks)
- (C) 2 - LSR-24-PD L24 (shaft support rails)
- (D) 2 - 1 1/2-PD-24 (60 Case* LinearRace* shafts)

Y-axis

- (A) 1 - .875 x .200 Thomson Saginaw Precision ball screw assembly
- (B) 4 - SPB OPN 24 (pillow blocks)
- (C) 2 - LSR-24-PD L24 (shaft support rails)
- (D) 2 - 1 1/2-PD L24 (60 Case LinearRace shafts)

Benefits

The ball screws provide controlled, repeatable movement of the workpiece for precise milling and drilling operations. All the actuators and linear motion components were ordered from one source, maximizing cost-effectiveness and minimizing paperwork.



To order, call 517-776-4123

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