Lead Screw Driven Automation
The Lead Screw Assemblies from PBC Linear form the perfect union of precision lead screws, anti-backlash nuts, and world class NEMA motors. Through years of testing and process improvements, PBC Linear is proud to offer the most accurate standard lead accuracy on the market.

Lead Screw Assemblies
- Custom sizes, materials and finishes available
- Constant Force® screw and nut
- 300 Series stainless steel screw with PTFE coating
- NEMA 8-23 flange sizes-single, double, triple stack stepper motors

Anti-Backlash Radial Force
The Lead Screw line from PBC Linear was designed to work perfectly with the Constant Force Anti-Backlash nut. Through years of testing and process improvements, PBC Linear is proud to offer the most accurate standard lead accuracy on the market.

- CNC Roll Threading: Allow for standard accuracies of .003”/ft. (2-3 times better than the competition). Precision lead accuracy of .001”/ft is available upon request.
- 300 Series Stainless Steel
- PTFE coating available
- Smooth is better: Proprietary process has resulted in less pitting and flanking, which results in longer life. Internal and customer testing have the screw/nut combination lasting at 6,000 miles in continuous duty. (application dependent)

Low Profile Linear Motion
The Compact Series Linear Guide System from PBC Linear® is designed to provide smooth, accurate, and repeatable linear motion in tight spaces. The Compact Series boasts a low profile—23 mm—standard system height making it an ideal solution for applications such as lab automation, medical, automated delivery systems, dispensing robotics, and electronic board manufacturing.

Compact Series
- Plain bearing or ball bearing options
- Lead screw diameter and lead options
- Constant Force® Technology nuts or standard fixed nuts
- Motor options: integrated motor or motor mount setup

On Hand Lead Screws
Availble to ship

>> Check out all the options in stock today.

If your specific needs require a custom solution, use PBC Linear’s configurator to build a customized product to your specifications.

>> Go To PBC Linear Custom Configurator