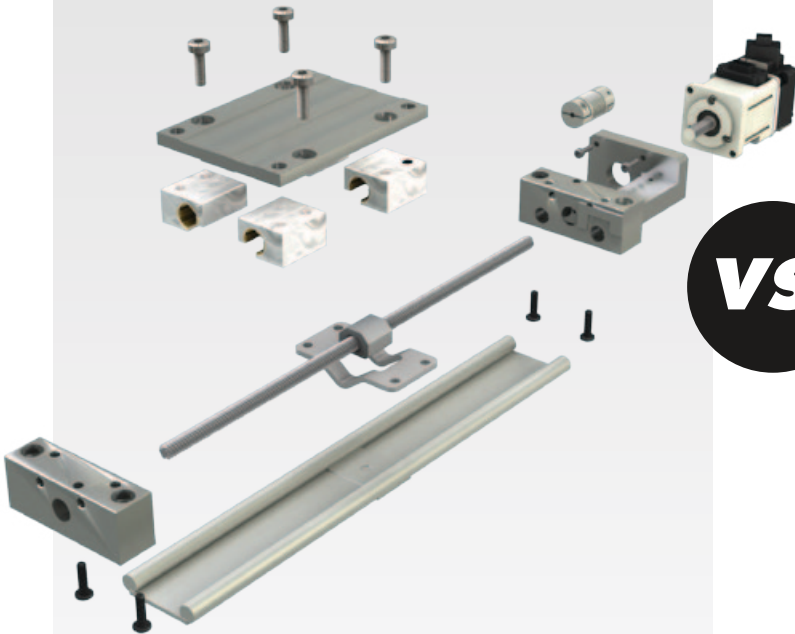


# Integrated Solution.



## PROBLEM

**12**  
COMPONENTS  
PLUS FASTENERS

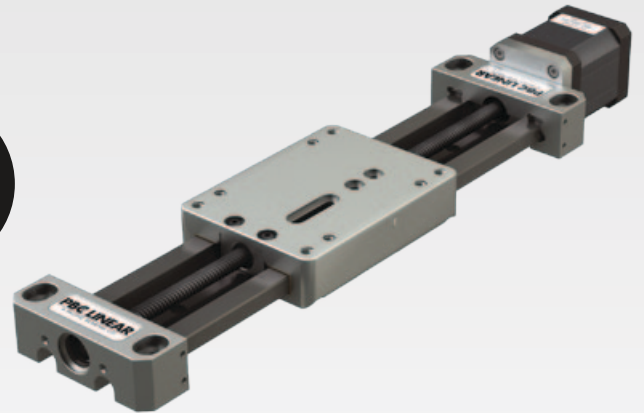


**VS.**

## SOLUTION

**1**

**ENGINEERED SOLUTION**



[Link to SIMO Series information](#)

### DESIGN PROBLEMS

- Unqualified, as-extruded rails bend, bow, and twist
- Plastic insert bearings
- Multiple components
- Complex assembly susceptible to binding
- High maintenance cost for re-assembly and alignment
- Limited to one bearing option

### PBC LINEAR'S ENGINEERED SOLUTION

- Engineered polymer bearings = 2x loads, 3x life
- Pre-engineered alignment
  - SIMO<sup>®</sup> qualified rails eliminate bend, bow, and twist
  - Machined precision at extrusion prices
- Optimized system with integrated motor, lead screw, and Constant Force<sup>™</sup> Technology nut = no tolerance stack up
- Platform of options = plain bearing, v-wheel, profile rail, lead screw, belt

- IMPROVE LIFE & RELIABILITY
- ENHANCE PERFORMANCE
- REDUCE PART COUNT
- LOWER OVERALL COSTS
- REDUCE RISKS
- STREAMLINE ASSEMBLY

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