

# LM76

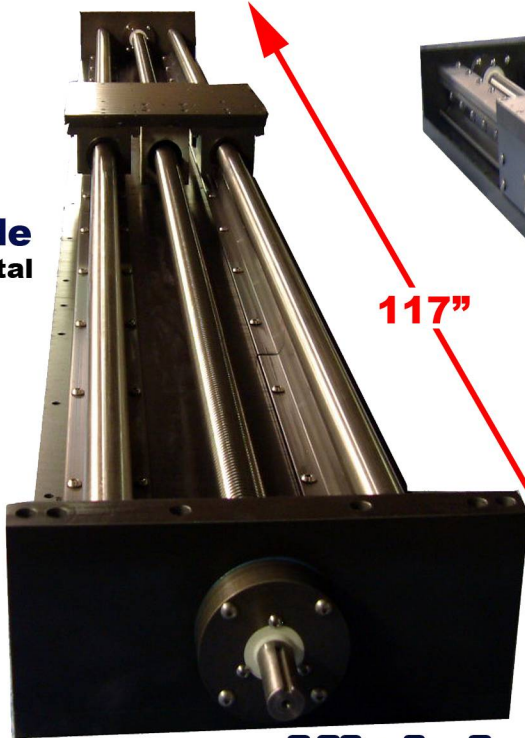
Linear Slide Division

1-800-513-3163

3

Z (vertical) axis had to support a 150 pound load 65" out from the carriage plate

**X Slide**  
Horizontal



117"

\*Slides are not shown mounted in their final x, z arrangement

**Z Slide**  
Vertical



68"

## High Load/Washdown X & Z Axis System

### Special features common to both Slides

1. Washdown/decontamination solution = 30% Hydrogen Peroxide
2. All aluminum parts are ceramic coated
3. Lead screws- 303 stainless steel, .200" RH lead, with radiused crest & root threads, X- = 1.500 Dia., -Z- = 1.000 Dia. Lead Nuts- double, pre-loaded, zero-backlash type. Stainless Nut bodies with cast polymatrix threads
4. Lead screw angular contact, ball ball bearing, journals protected by PTFE, rotary seal cartridges.
5. All fasteners i.e. screws, nuts, lock washers, snap rings, etc. are Stainless Steel

### Special features specific to X Axis - Horizontal Slide

1. Shafts: 1.500 Dia. x 117" long, fully supported 303 stainless assemblies, with hard chrome plating
2. Special washdown, "Minuteman" PTFE Linear, Self-lube Bearing, Open Pillow Blocks.

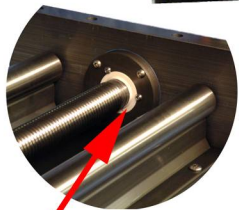
### Special features specific to Z Axis - Vertical Slide

1. Substantial over-turning moment tooling load.
2. Linear Motion Bearing Elements all stainless steel
  - A. High Load Monorace Assemblies - Six rollers per side = twelve total
  - B. Two Mating formed female/internal guide tracks mounted to trap stainless steel stiffeners.

For more information call: Mike Quinn or email: [mquinn@LM76.com](mailto:mquinn@LM76.com)

[www.LM76.com](http://www.LM76.com)

High Load Multi-Axis Systems



Teflon Seal