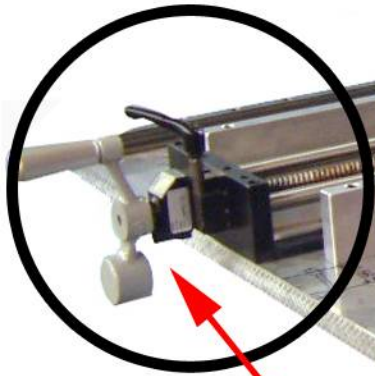
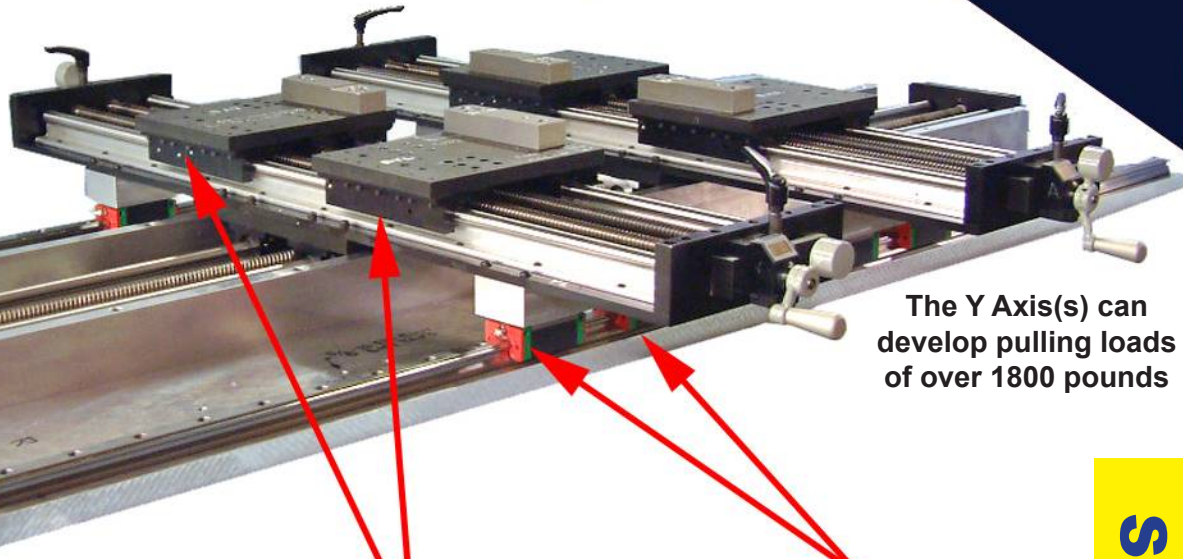


# Linear Slide Notes from *LM76*

The X Axis can develop  
pulling loads of over  
2000 pounds



Hand Crank, Locking  
Mechanism and Position  
Indicator



The Y Axis(s) can  
develop pulling loads  
of over 1800 pounds

LM76 Minuteman High Load,  
Self-Lubricating Bearings

Size 45 Hiwin Profile Rail  
Blocks

September 4, 2013

LM76 was asked by an international leader in the manufacture of metal products for a solution to their manual manufacturing process. This system allows for the shaping, under extreme loads and pressures, of super metals like inconel, hastelloy, monel and titanium into a variety of shapes and sizes. Because this isn't a high volume business, it requires great flexibility and constant tooling changes. The nature of this product-line does not justify a very expensive, wholly automated system.

We knew the loads and stresses being applied to the base plate, bearings and ball screws would be severe so all components were designed with this in mind. So operators could easily change-out tooling and set-up for the next job, we included position indicators and quick-change anchor blocks. Lastly, so all positions can be maintained during fabrication, we included locking mechanisms and anti-backlash nuts on each axis.

**When you have an application,  
LM76 has an answer...*that works!***

Call Mike Quinn 1-800-513-3163 or email your  
ideas and application notes to [mquinn@lm76.com](mailto:mquinn@lm76.com)

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

**Self-Centering Slide Technology**