



Smooth & Quiet Linear Motion™

APPLICATION STORIES

The Application:

When a Peoria based manufacturer went searching for a supplier to machine large volumes of heat exchangers for their world renowned tractors, Morton Machining & Manufacturing of Morton, Illinois took the challenge. With the aid of their local Pacific Bearing supplier, Motion Industries (East Peoria, Illinois), this machine shop developed several hydraulic clamping fixtures that increased the rate and volume of production to meet the manufacturer's demand.

The challenge for Morton Machining & Manufacturing was not only increasing production, but designing equipment to operate continuously in a dirty environment. Machining six parts at a time, the redesigned unit consists of two mounting plates oriented back to back in the vertical plane. On the mounting plates, the clamping fixtures present the parts to be machined. Once machined, the mounting plates rotate about the vertical shaft, presenting new parts for machining while the completed parts are removed and replaced with unfinished pieces.

The Solution:

LRPS Simplicity® Linear Slides

A design including special ordered Simplicity® Low Profile Linear Slides proved to be the solution that kept the coolant, chips and vibration from halting production. Once fully assembled and implemented, the new equipment gave Morton the capacity to handle the greater production volume and speed that the customer required; earning them welcomed business from the United States' largest exporter.



Call Today! Talk to a real person who is eager to help you.

800-962-8979 www.pacific-bearing.com