



Applications | Case Studies

KEEPING THE PRESSES ROLLING

Nita, a Quebec-based manufacturer has a proven reputation across North America for supplying high quality transport and manipulation systems for handling 36", 48" and 60" rectangular lithographic printing plates. The plates are produced from extremely soft aluminum and must be handled with care and precision. The Nita products, deliver, rotate, notch and feed the plates into the printing press.

The engineers at Nita pay great attention to bearing selection as they are a key element in creating the smooth shaft motion at both the shaft ends and at the intermittently located pulleys and drive belts. This smooth motion being an essential element in delivering the plates to the press undamaged and accurately located.

The decision was taken early in the design to go with a 0.625" diameter Needle-Roller Bearing, however the costs, lack of alignment and excessive mounting area associated with a custom machined mounting block caused Nita multiple problems.

The patented Spyraflo Self-Aligning Needle-Roller bearings $\pm 5^\circ$ static self-alignment proved to be the ideal solution. General Manager Claudio Napoleonic states "The ability to effortlessly accommodate variances in shaft orientation and mounting surfaces has proved invaluable combining cost savings with enhanced performance."

