



**Innovative Solutions, Inc.**

## **Service Procedure** **ISIJet 2870/3400 Grand Format Printer**

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### **Lubricating Linear Rails, Pulleys and Belt**

**Item ID: 78-00006**

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## Overview

This document contains instructions on how to properly lubricate the linear rails, pulleys, and carriage belt. The required lubricant is a vegetable oil and Teflon based grease that is specially formulated to work on linear motion systems. In addition, it will lubricate the belt without degrading the belt material as might be possible with petroleum based lubricants.

## Required Tools and Supplies

You will need the following items:

Please use the following grease exclusively:

- 75-00007 - Grease - Linear Bearings, Pulley and Rails, 14.1-Ounce Can
- Solvent resistant gloves
- Paper towels

## CAUTION!

**Lubricant contact with eyes may cause eye irritation. Read the product's caution label.**

**Use of other lubricants on the linear rails, bearings, belt, or pulley is not recommended and can damage the linear drive system components.**

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## Procedure

1. Every 8-10 hours of printer operation wipe excess lubricant, over spray and dust off the rails with a clean soft cloth. Apply a thin coating of the specified lubricant down the length of both rails.
  2. At least once every week wipe excess lubricant, over spray and dust off the belt and apply a thin layer of lubricant on the belt teeth so that it gets distributed over the pulley and belt during operation.
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