Procedure

English

# Aligning Home Position and End Position on the Carriage Motor

731-00815A-EN

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Internal 731-00815A-EN

# Product

- *Kodak Magnus* 400 platesetter
- *Kodak Lotem* 400 platesetter

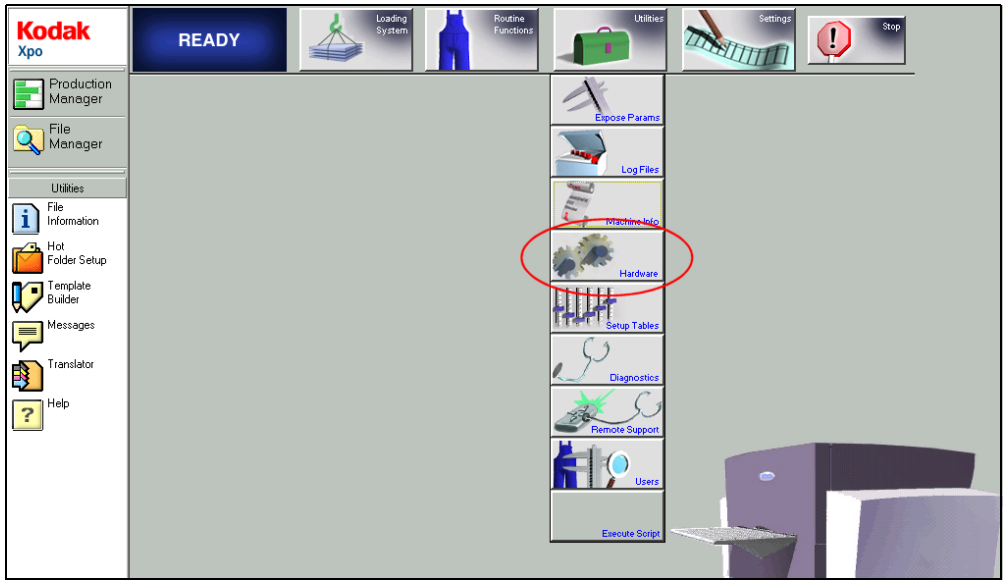
# Background

This procedure describes how to align the home position (HP) and end position (EP) on the carriage so that the optic head is permanently situated opposite the light detector.

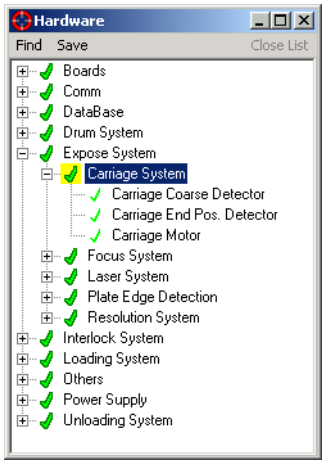
# Procedure

**To align the home position:**

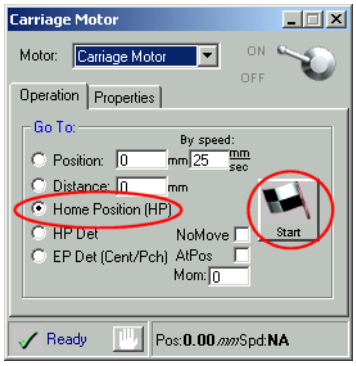
1. On the Operations toolbar, select **Utilities > Hardware**.



2. In the Hardware tree, go to **Expose System > Carriage System** and open the following windows:
   - Carriage Coarse Detector
   - Carriage End Pos. Detector
   - Carriage Motor

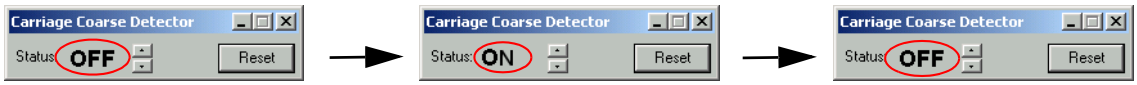



3. On the platesetter, manually move the home position detector as far to the left as possible.
4. In the Carriage Motor window, on the **Operation** tab, select **Home Position (HP)** and click **Start**.




5. Return to the **Operation** tab, select **HP Det** and click **Start**.

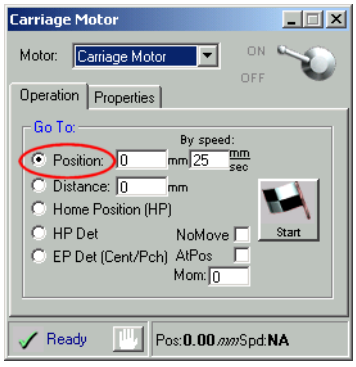
   When the carriage reaches the HP Det position, verify that the Carriage Coarse Detector turns from OFF to ON, and then OFF again.



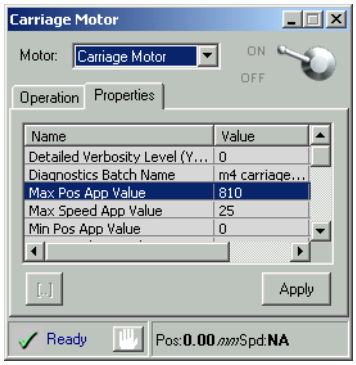
**To align the end position:**

1. On the **Operation** tab, select **Position** and click **Start.**

   This moves the carriage to position **810** (as defined in the **Properties** tab).

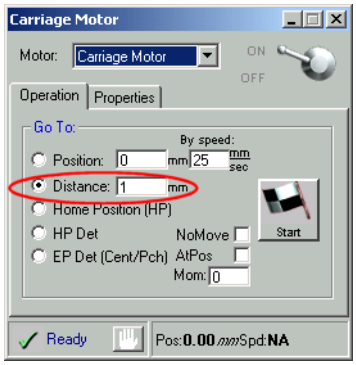



2. On the **Properties** tab, change the **Max Pos App Value** from 810 to **815** and click **Apply.**

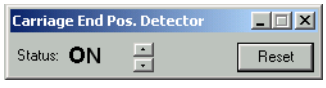



3. On the **Operation** tab, select **Distance,** and in the **mm** box, type **1**. Click **Start**.

   This moves the carriage in 1 mm steps to determine the correct EP detector position.

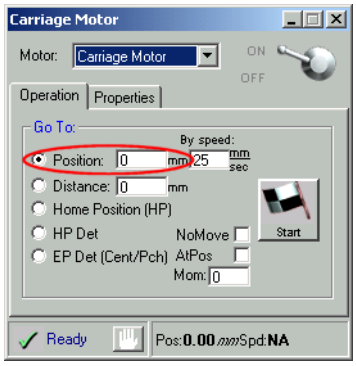



4. Repeat step 3 until the Carriage End Pos. Detector changes from OFF to ON and the error message `The carriage operation failed due to an error` appears.



5. Note the position value that appears at the bottom-right side of the window—for example, 812—and then click **Reset**.
6. On the **Operation** tab, select **Position**, and in the **mm** box next to it, type the value that is 1 less than the position value noted in the previous step.

   For example—if the position value is 812, type 811.
7. Click **Start**.




8. On the **Properties** tab, change the **Max Pos App Value** from its current position to the new position value—for example, 811 and click **Apply**.
9. After you complete the alignment, on the **Operation** tab, select **HP Det** and click **Start**.

# Technical Contact(s)

Content owner: Mario Amir

See the Escalation page for escalation contacts.

# Date Submitted

05 Jun 2006

# Last Updated