Kodak

Replacing a Thermal 2 Head on a Magnus 400 Quantum

Platesetter

Replacement Procedure

English

731-01007A-EN

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Internal 731-01007A-EN

Revised May 2007

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Product

- Kodak® Magnus™ 400 Quantum platesetter

Background

This procedure describes how to install a thermal 2 head (TH2) on a Magnus 400 Quantum platesetter, and includes the following sections:

- *Installing a Thermal 2 Head*
- *Routing the Thermal Head Connections* on page 4

Procedure

Installing a Thermal 2 Head

Preparing the Head and Carriage

CAUTION: You must wear an antistatic wrist band while you are installing the head.

1. Verify that the optic lens is clean. If necessary, clean it with alcohol and a cotton swab.

   Important: Make sure that the alcohol does not come in contact with the red seal.

2. Remove the Universal Debris Removal Cabinet (UDRC) nozzle assembly from the old thermal head, and set it aside. To locate the UDRC nozzle assembly, see item 9 in Figure 5 on page 4.
3. On each side of the old thermal head, remove the bracket (attached to the thermal head) and two bracket springs (attached to the carriage), and set aside. To locate the brackets and springs, see Figure 1 on page 2.
4. Spread grease on the head base (where the head will be located) and in the carriage V groove.
5. Carefully assemble the thermal head on the head base.
6. Install the UDRC nozzle assembly on the new thermal head. See item 9 in Figure 5 on page 4.

7. On each side of the thermal head, attach a bracket to the head and two springs to the carriage.

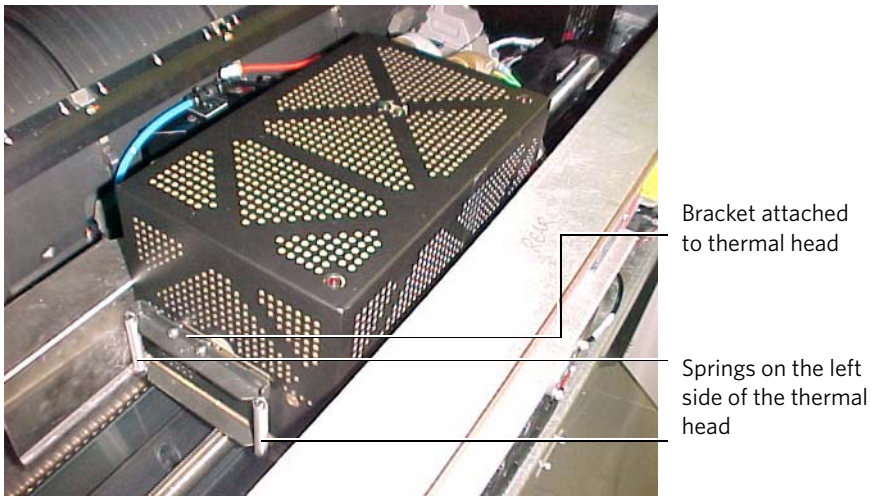


Figure 1: Attaching springs

Installing the Z-Stage Piston Assembly

The Z-stage piston assembly secures the thermal head to the carriage.

1. Verify that the O-ring has one slot.
2. Slide the 0.2-0.3 mm O-ring onto the Z-stage arm.

   Note: The Z-stage arm is supplied assembled with the pneumatic unit.



Figure 2: Sliding the O-ring onto the Z-stage arm

3. Insert the Z-stage arm into the Z-stage bracket.

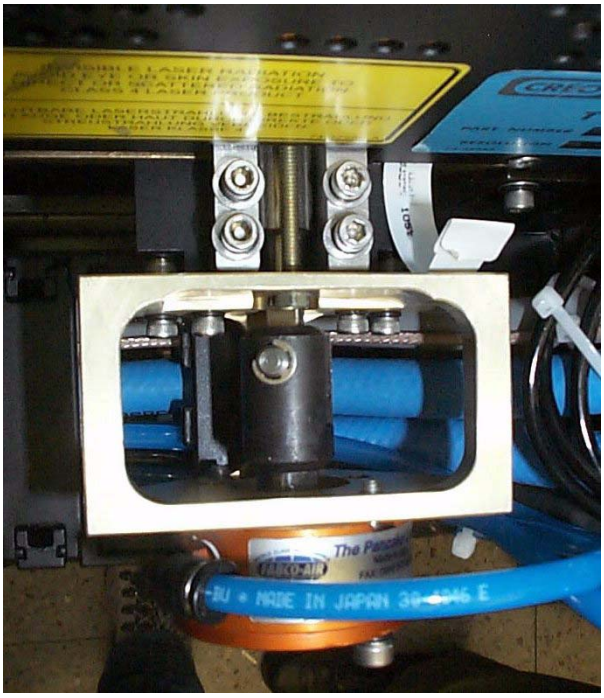


Figure 3: Inserting the Z-stage arm into the Z-stage bracket

4. Insert the two hex screws into the pneumatic unit and tighten the screws.

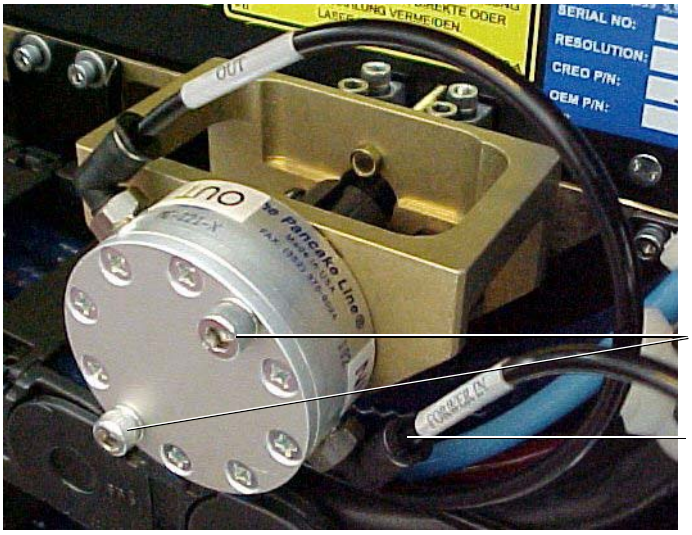


Figure 4: Securing the pneumatic unit with hex screws

5. Connect the two air tubes (according to the IN and OUT labels on the air tubes), from the main chain to the IN/OUT outlets on the pneumatic unit, as shown in Figure 4.
6. Activate the Z-stage mechanism. While the drum rotates, verify that there is freedom of movement between the head and drum.
7. Connect the coolant tubes to the thermal head. See items 3 and 4 in Figure 5 on page 4.

8. Verify that all the cables are properly connected to the chiller and to the cooling unit's pump, and that there are no leaks.

Routing the Thermal Head Connections

Attention: To perform this procedure, you must be wearing an antistatic wrist band.

➢ Route the connections from the thermal head to:

- 1—Thermal head cable to connector J2 on the tubo master control electronics (TMCE) board
- 2—Thermal head cable to power supply
- 3—Thermal head tube to cooling system inlet
- 4—Thermal head tube to cooling system outlet
- 5—Thermal head cable to connector J1 on the TMCE board
- 6—Thermal head cable to air valve
- 7—Blue input air tube to nozzle connector
- 8—Red input air tube to Y connector
- 9—Debris removal hose to nozzle (and secure with metal band)

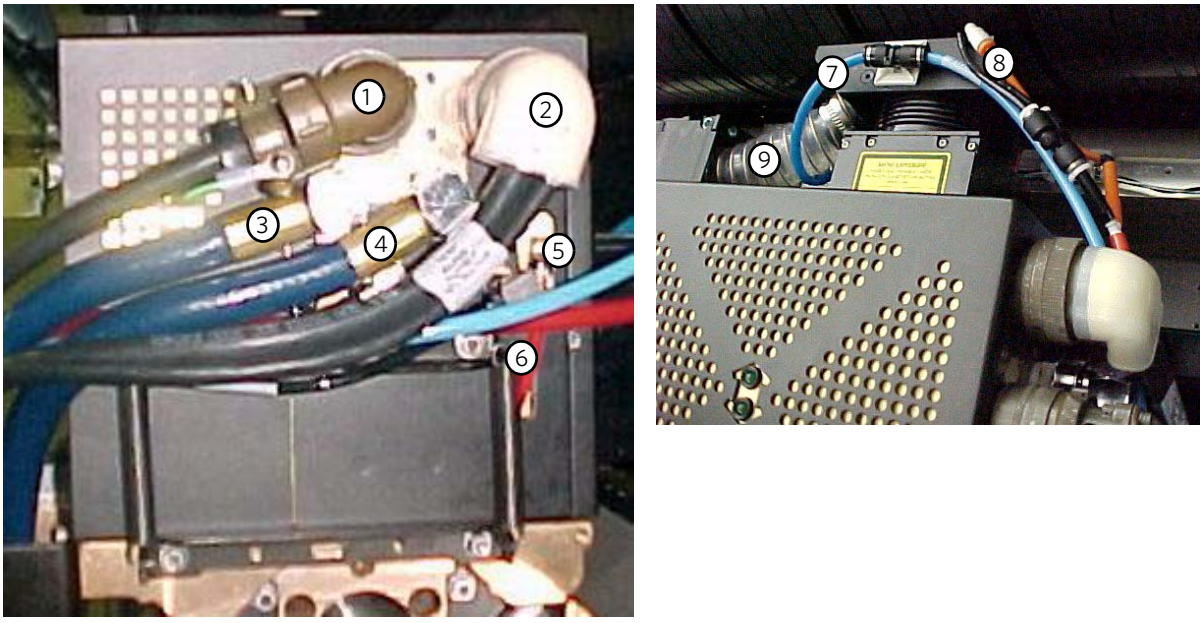


Figure 5: Thermal head connections

Technical Contact(s)

Content owner: Mario Amir

See the Escalation page for escalation contacts.

Date Submitted

31 Jan 2007

Last updated