Procedure

English

Optimizing the Magnus 800 Autoloader Plate Picker Sequence Parameters

Internal 731-00973B-EN Rev B

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Kodak

Product

Kodak Magnus 800 autoloader

Background

This procedure describes how to adjust various *Kodak Magnus* 800 autoloader parameters in order to optimize the plate picker loading sequence.

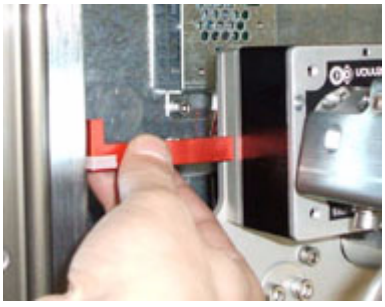
Procedure

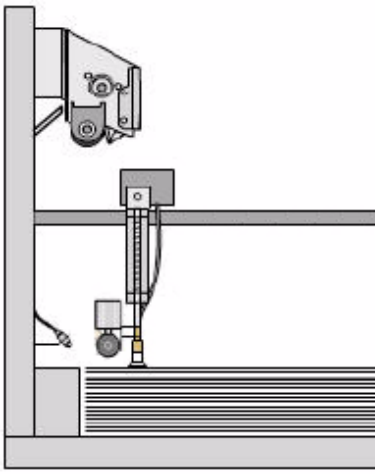
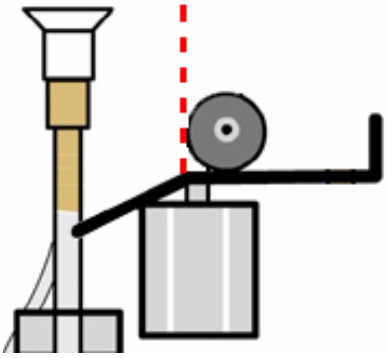
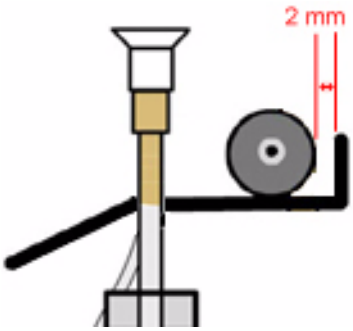
1. In *Kodak Magnus* Controller, locate the Plate picker motor dialog box.
2. Complete the steps described in the table on page 2.

Important: After performing each step, send the plate picker motor back to home position.

Note: The table below refers to **absolute position** and **relative position**.

- **Absolute position** is the initial distance the plate picker motor moves from 0.
- **Relative position** is the distance the plate picker motor moves from the absolute position.

Step	Send Plate Picker Motor/arm To	Check the Following	If Required, Perform the Following Actions
1	Send the plate picker motor to 865 mm at a speed of 150 mm/sec.	Use the jig (690-00772A) to check that there is a 65-mm (± 1 mm) gap between the paper picker frame and the plate picker gear box. 	1. If the distance is less than or greater than 65 mm, increase or decrease the relative position of the plate picker motor, in 1-mm increments, until the the distance is 65 mm (± 1 mm). See TechPlanet procedure, Checking and adjusting the plate picker's position on a Magnus 800 autoloader 2. In the registry, locate the following parameter: Magnus800\Software systems\Loading system\ Parameters\ Autoloader**Plate picker to picking point movement: target position [mm] = -865**. 3. Amend the parameter's value accordingly (absolute position +/- relative position).

Step	Send Plate Picker Motor/arm To	Check the Following	If Required, Perform the Following Actions
2	Send the plate picker motor to 907 mm at a speed of 150 mm/sec.	Plate picker arm is perpendicular to the plates in the cassette tray. 	1. Increase or decrease the relative plate picker motor distance, in 1-mm increments, until the plate picker arm is perpendicular to the plates. 2. Locate the following parameter: Magnus800\Software systems\Loading system\Parameters\ Autoloader\ **Plate picker to paper\metal detection movement: target position [mm].** 3. Amend the parameter's value accordingly (absolute position +/- relative position).
3	Send plate picker arm to 0 mm.	Plate picker arm roller is aligned with the edge of the plate picker slide. 	1. Increase or decrease the relative plate picker arm distance, in 1-mm increments, until the plate picker arm roller is aligned with the edge of the plate picker slide. 2. Locate the following parameter: Magnus800\Software systems\Loading system\Parameters\ Autoloader\ **Plate picker conveyor free waiting point: target position [mm].** 3. Amend the parameter's value accordingly (absolute position +/- relative position).
4	Send the plate picker arm to -10 mm.	Distance between plate picker arm roller and mechanical stopper is 2 mm. 	1. Increase/decrease the relative plate picker arm distance, in 1-mm increments, until the distance between the plate picker arm roller and the mechanical stopper is 2 mm. 2. Locate the following parameter: Magnus800\Software systems\Loading system\Parameters\ Autoloader\ **Plate picker to plate transferring to exit roller: target position [mm].** 3. Amend the parameter's value accordingly (absolute position +/- relative position).

Step	Send Plate Picker Motor/arm To	Check the Following	If Required, Perform the Following Actions
5	Add +5 to the parameter calibrated in step 4 of the table, and amend the following parameter: Magnus800\Software systems\Loading system\ Parameters\ Autoloader\ **Plate picker in home position detector: target position [mm].** Example: **Plate picker to plate transferring to exit roller: target position = -14** (-11) + (+5) = -6 **Plate picker in home position detector: target position [mm] = -6** (-11) + (+5) = -6		

See Also

Parameter value ranges for the Magnus 800 autoloader

Technical Contacts

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See the Escalation page for escalation contacts

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