Adjusting the unload table plate eject settings

Product

- Kodak® Trendsetter® 3244 Autoloader
- Kodak Trendsetter® 400/800 AL
- Kodak Trendsetter® NEWS™
- Kodak Trendsetter® ContinousLoad

Time required ¼ hr

Background

The following NVS parameters are used to set up the plate-eject process correctly for quick and smooth transition to the processing line. These parameters adjust speed, distance and travel limit.

MPE		TMCE/GMCE	
aldrv 2 sr	Slow eject speed	**exit velocity**	Slow eject speed
alpos fed	Distance at fast speed	**exit fastdistance**	Distance at fast speed
alpos seo	Distance at slow speed	**exit slowpush**	Distance at slow speed
aldrv 2 limit	Maximum travel distance	**exit travellimit**	Maximum travel distance

Setting the Travel Limit

The travel limit is the maximum distance the unload table traveler moves before it hits the away sensor.

MPE	TMCE/GMCE
1. Enter the **`table init`** command to initialize the unload table.	1. Enter the **`table init`** command to initialize the unload table.
2. Enter the **`table move away`** command.	2. Enter the **`table move away`**. command.
3. Enter the **`table pos`** command and record the traveler position.	3. Enter the **`table`** command and record the traveler position.
4. Subtract 5 mm from this position and enter it as the travel limit, using the **`set aldrv 2 limit <nn>`** command, where <nn> is the recorded value minus 5.	4. Subtract 5 mm from this position and enter it as the travel limit, using the **`set exit travellimit <nn>`** command, where <nn> is the recorded value minus 5.

Setting the Plate Eject Speed

Set the slow eject speed so that the plate moves slightly slower than the conveyor belt or processor rollers.

If the speed is too slow, the plate may have a tendency to skew as it starts to get pulled off the unload table by the processing equipment.

If the speed is too fast, the plate corners may catch under the wires of the conveyor belt or bend as they are pushed against the processor rollers. This can damage the plate or rollers.

MPE	TMCE/GMCE
1. Record the current value for `aldrv 2 sr`. 2. Adjust **`aldrv 2 sr`**. A lower value for this parameter decreases the eject speed. 3. Enter the **`table speed slow`** command to load the new speed settings. 4. As a test, enter the commands **`table jog -100`** and **`table jog 100`** to move the traveler back and forth by 100 mm. 5. If necessary, adjust **`aldrv 2 sr`** as needed. 6. Enter the **`nvs save aldrv 2`** command to save the new setting.	1. Record the current value for `exit velocity`. 2. Enter the **`table move <nn> <speed>`** command, where <nn> is the traveler position to move to and <speed> is the velocity number to try. 3. Set **`exit velocity`** to the desired number found in step 2.

Tip: If the unload table goes up before the plate has fully left the table, the exit velocity needs to be decreased. The delay for the table to go up is calculated based on this exit velocity.

Setting the Plate Eject Distance

When plates are being ejected, the unload traveler first moves a certain distance at high speed before it slows down to accommodate the speed of the processing line.

The distances the traveler moves both at high and low speed can be set via firmware parameters.

Set the high speed distance so that the plate slows down just before it enters the processing line. Set the slow speed distance so that the processor rollers or conveyor belts are able to get a good grip on the plate to pull it from the unload table.

MPE	TMCE/GMCE
1. To adjust the distance that the plate moves at fast speed, enter the **`set alpos fed <nn>`** command, where <nn> is the new distance value in mm. 2. To adjust the distance that the plate moves at slow speed, enter the **`set alpos seo <nn>`** command, where <nn> is the new distance value in mm. 3. Enter the **`nvs save alpos`** command to save the new settings	1. To adjust the distance that the plate moves at fast speed, enter the **`set exit fastdistance <nn>`** command, where <nn> is the new distance value in mm. 2. To adjust the distance that the plate moves at slow speed, enter the **`set slowpush <nn>`** command, where <nn> is the new distance value in mm.

Note: The distance that the traveler moves is equal to fastdistance – <plate length>, where <plate length> is the mainscan size if not rotated or the subscan size if rotated. This parameter must be larger than the plate length, or there will be no fast move at all.

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