Kodak

Setting Machine Resolution on a Magnus 400 Quantum and a Lotem 400 Quantum

Platesetter

Procedure

English

731-00975B-EN Rev A

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Product

- Kodak® Magnus™ 400 Quantum platesetter
- Kodak Lotem® 400 Quantum platesetter

Background

This procedure describes how to configure the machine resolution definitions on the Magnus 400 Quantum and Lotem 400 Quantum platesetters, and includes the following sections:

- *Setting Machine Resolution Definitions*
- *Setting Machine Half-Resolution Definitions* on page 2

Procedure

Setting Machine Resolution Definitions

Identify the resolution of the head on your platesetter.

1. In Service Shell, click the Monitor tool and at the `Th2>>` command prompt, type: `set sys`
2. Verify that the resolution defined for the head matches the resolution engraved on the head.
3. If the resolution defined for the head does not match the resolution engraved on the head, in TMCE, update the resolution defined for the head.

   At the `Quantum>>` command prompt, type:
   `set mode 1 MscanResolution X` <X=resolution engraved on head>
   `set mode 1 SscanResolution X` <X=resolution engraved on head>
4. To verify that the resolution was updated for option 1, at the `Quantum>>` command prompt, type:
   `mode`

   The output returned for 2400 dpi should be:

```
Current Mode = 2400 DPI by 2400 DPI
Available modes:
1:2400 DPI by 2400 DPI
```

Setting Machine Half-Resolution Definitions

1. To define half-resolution, at the `Quantum>>` command prompt, type the following commands:

   `set mode 2 MscanResolution X` <X=the desired half resolution>
   `set mode 2 SscanResolution X` <X=the desired half resolution>

2. To verify that the resolution was updated for option 2, at the `Quantum>>` command prompt, type:

   `mode`

   The output returned for 2400 DPI should be:

   ```
   Current Mode = 2400 DPI by 2400 DPI
   Available modes:
   1: 2400 DPI by 2400 DPI
   2: 1200 DPI by 1200 DPI
   ```

3. At the `Quantum>>` command prompt, type the following commands:

   ```
   set mode 2 MscanDuplicate 1
   set mode 2 MscanDuplicate 2
   set mode 2
   ```

4. Verify that the following output is returned (for 2400 dpi):

PRM Mode Parameters

Group	Parameter	Active	Default	Units
mode	MscanResolution[2] 1200		2400	DPI
mode	SscanResolution[2] 1200		2400	DPI
mode	MscanDuplicate[2] 1		1	
mode	SscanDuplicate[2] 2		1	

5. To update the platesetter's resolution, in the Kodak Magnus 400 Controller software:
   a. Select **Other > Machine > min Resolution** and type `47`.
   b. Select **Other > Machine > Thermal Head Resolution (2540 or 2400)** and type the relevant resolution.
6. When you finish loading all the files and have completed the machine resolution definitions according to the previous steps, run the Magnus 400 Controller software. Verify that the software starts and no error messages appear, except interlock and open laser messages.

Technical Contact(s)

Content owner: Mario Amir

See the Escalation page for escalation contacts.

Date Submitted

28 Sep 2006

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