Setting Up VMR for Lotem 800 Quantum devices

Product

- Kodak® Lotem® 800 Quantum™

Background

The Variable Mainscan Resolution (VMR) option is available for Lotem 800 Quantum devices with the following requirements. This procedure describes how to enable and set up the VMR option

Requirements

- Lotem Controller Software version 3.82.12 or higher
- Firmware qualified for Version 3.82.12 (Refer to software release notes)
- HASP dongle for VMR option
- Kodak Brisque® to Kodak Lotem Direct connectivity version 5.1.32 (with output update 4) or higher

OR

- Kodak Prinergy® 3.1.0.3 / Kodak Prinergy Evo® 3.1.6.5 connectivity with Kodak Xpo™ version 3.1.46 or higher

Procedure

To enable the VMR option:

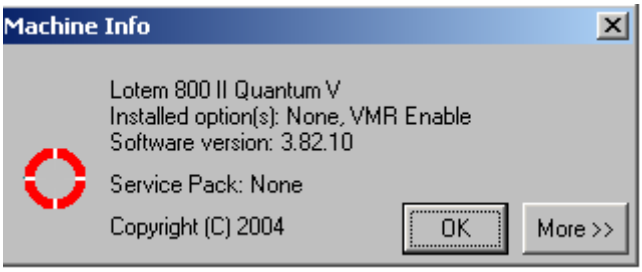
1. Open the right panel; insert the HASP dongle in the internal workstation of the Lotem.
2. Start Service Shell and enter the following commands:

   `access enable`

   `option vmr enable`

   `set mode x mscanresolution 4800` (where **`x`** is the next available mode slot)

3. Start the Lotem Controller software and select **Utilities > Machine Info.**
   The VMR option should be enabled:



To set drumspeed for VMR jobs:

The drum speed may be limited on higher-resolution jobs. The following table lists the maximum drum speed allowed for each device-and-resolution combination. If the current drum speed for the media exceeds the number listed, follow the steps below to set up a new media slot to handle the VMR jobs.

Maximum drum speed for each resolution range

	Up to 2476.8 dpi	Up to 4800 dpi
Lotem 800 II Quantum	450 rpm	235 rpm

1. In Service Shell, locate an empty media slot for the setup.
2. Duplicate the media settings of the customer's plate in the empty media slot and give the setting a relevant name—for example, Kodak Thermal Gold VMR.
3. Duplicate the **th2 med** settings of the customer's plate in the new **med** slot. Use the same **med name** that you set in the media slot.
4. Set the new **drumspeed** according to the device and resolution range in the maximum drum speed table.
5. Set the laser **power** to (original **power** × new **drumspeed**/old **drumspeed**).
6. Start the Lotem Controller software and set up the new plate sizes using the media settings that you created for VMR.

See Also	VMR Technical Bulletin (734-000209A-EN) Lotem 800 II Family Release Notes Version 3.82.12 (739-00262A)
Technical contact	Andrew So
Date submitted	28 Jul 2006
Last updated	28 Mar 2007