

NUtec Digital Technical Bulletin

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From: NUtec Digital Ink Technical Department

To: NUtec Digital Ink Distributors

TOPAZ T11 & Emerald E12 Ink Set

DX4/5/6 new print head replacement procedure and ink load on new printer.

Dear customer

NUtec Digital Ink recommends the following procedure when fitting a new Epson DX4/5/6 print head in or when loading a brand new Mutoh, Mimaki or Roland machine with NUtec Topaz T11 & Emerald E12 inks.

Please note: When converting your machine already loaded with OEM or Aftermarket inks, please refer to the following Technical note available from support@nutecdigital.com: TBN023 Topaz T11/Emerald E12 ink conversion principles.

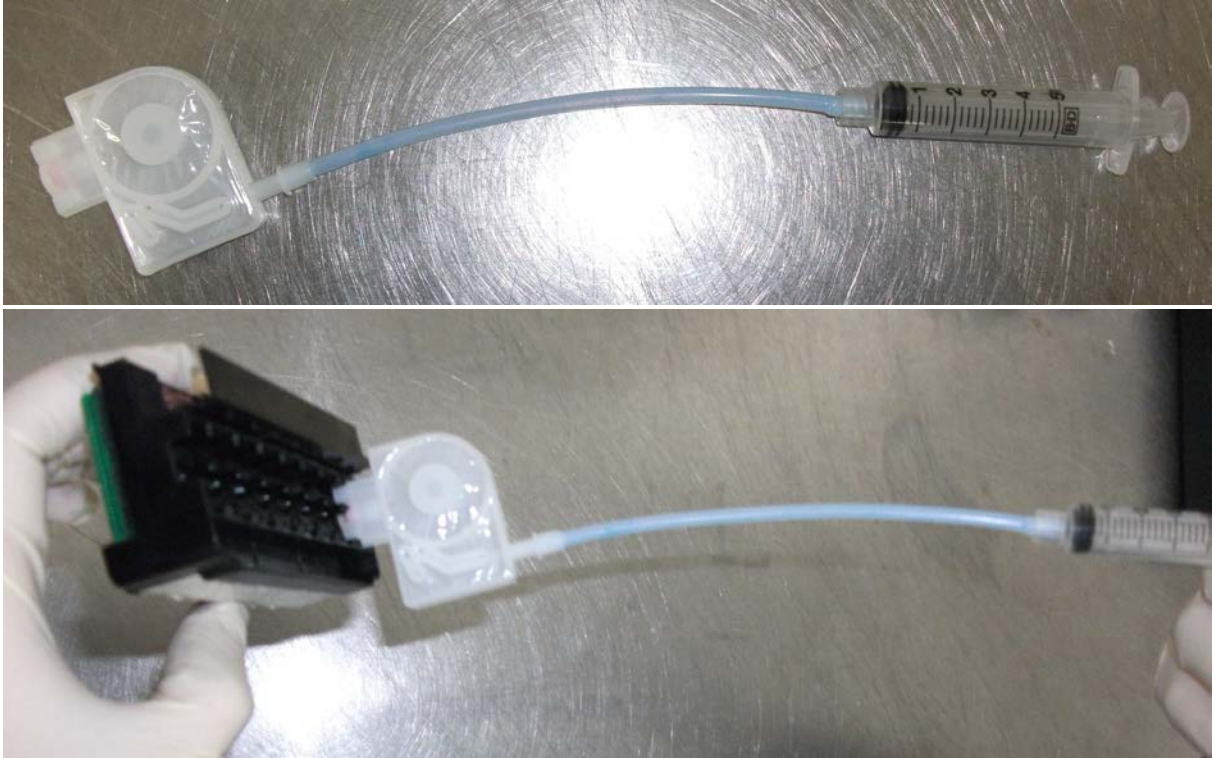
Disclaimer: This information is based on NUtec's present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Under no circumstances will NUtec Digital Ink be responsible for any damage arising from improper flushing fluids used by the dealer or end user, either directly or indirectly. This includes, but is not necessarily limited to, damages arising from improper and inaccurate flushing procedures.

New print head replacement principles

When unpacking a new print head please note the following:

- Be careful not to touch the faceplate as this could damage the nozzles
- There are 2 recommended methods listed in order of preference by NUtec:
 - Method 1 using NUtec Conversion Flushing Fluid
 - Fill a syringe with the Conversion Flushing Fluid, and purge the print head.
 - **Please note:**
 - It is recommended that the print head is purged through a damper. The damper contains a filter which will trap any potential foreign contaminants and stop them from reaching the print head.
 - Do not over pressure the syringe. Applying too much pressure will damage the print head.
 - Purge the Conversion Flushing Fluid from the print head with air using a syringe. Make sure the damper is also empty.
 - Follow the standard print head replacement procedure as prescribed in the User Manual of your digital printer
 - **Please note:** Do not delay too long as the print head might start drying.
 - Method 2 using Isopropyl Alcohol (IPA)
 - Fill a syringe with the Isopropyl Alcohol (IPA), and purge the print head.
 - **Please note:**
 - It is recommended that the print head is purged through a damper. The damper contains a filter which will trap any potential foreign contaminants and stop them from reaching the print head.
 - Do not over pressure the syringe. Applying too much pressure will damage the print head.
 - Purge the Isopropyl Alcohol (IPA) from the print head with air using a syringe. Make sure the damper is also empty.
 - Fill a syringe with the NUtec MF+ Flushing Fluid, and then purge the print head.
 - Purge the NUtec MF+ Flushing Fluid from the print head with air using a syringe. Make sure the damper is also empty.
 - Follow the standard print head replacement procedure as prescribed in the User Manual of your digital printer
 - **Please note:** Do not delay too long as the print head might start drying.

Recommended configuration for purging print heads



Loading ink in a brand new machine

When loading NUtec Topaz T11 or Emerald E12 ink onto a brand new machine, please note the following:

- As a standard procedure the machine will require you to go through a charging procedure.
- At the point of introducing the ink, There are 2 recommended methods listed in order of preference by NUtec:
 - Method 1 using NUtec Conversion Flushing Fluid
 - Follow the conversion procedure as outlined in the step by step guide on ink conversion “RolandMutohMimaki Epson Conversion” available from support@nutecdigital.com.
 - **Please note:** In step 3, use the Conversion Flushing Fluid.
 - **Please note:** It is recommended, as outlined in step 4, to remove the flush from the system by purging with air using a syringe or the service functions on the machine before introducing the Topaz T11 or Emerald E12 ink.
 - Method 2 using Isopropyl Alcohol (IPA)
 - Follow the conversion procedure as outlined in the step by step guide on ink conversion “RolandMutohMimaki Epson Conversion Guide” available from support@nutecdigital.com.
 - **Please note:** In step 3, use the IPA to flush the system.
 - **Suck** the Isopropyl Alcohol (IPA) from the printer with air using a either a syringe or the pumps. Make sure the damper is also empty.
 - **Load** the printer with NUtec MF+ Flushing Fluid, and then purge the printer.
 - **Suck** the NUtec MF+ Flushing Fluid from the printer with air using a either a syringe or the pumps. Make sure the damper is also empty.
 - **Please note:** It is recommended, as outlined in step 4, to remove the flush from the system by purging with air using a syringe or the service functions on the machine before introducing the Topaz T11 or Emerald E12 ink.\
 - **Load** the ink onto the machine
- As mentioned for further guidelines, read the step by step guide on ink conversion “RolandMutohMimaki Epson Conversion Guide” available from support@nutecdigital.com.

For further enquiries please contact the NUtec Digital Technical team at
support@nutecdigital.com