

LICENSE AGREEMENT

Static Control Components, Inc. (Static Control) grants this limited license to the person, firm or corporation (hereinafter "User") downloading electronically or by printing this file to use Static Control's copyrighted documents in accordance with the terms of this agreement. If you agree with the terms of the license then you may download this information. If you do not agree with the terms of the license, then you are not authorized to use this information, and any use of it may be in violation of Static Control's copyrights or trademarks.

TRADEMARKS

The Static Control material herein may make reference to its own trademarks, or trademarks of others. Static Control grants a limited license to the User to use Static Control's trademarks in its internal documents and for its internal purposes on the following terms and conditions. Any use of Static Control's trademark must be used in a context which makes it clear that the product reference is a Static Control Components, Inc. product, and not a product from any source.

The materials provided to the User may include reference to trademarks of others. Any use the User makes of these marks should reference the owner of those marks. Nothing in this agreement constitutes any authorization by Static Control to use any of these trademarks in any context.

COPYRIGHTS

Static Control grants a limited license to the User to use the attached copyrighted documents. The permitted use of these documents is limited to internal purposes and needs of the company. The company is prohibited from using these copyrighted documents, or any part of them, including graphic elements, in any materials that are used outside the physical business location of the User. The User is prohibited from using any materials in any documents whether printed or electronic, which are distributed to any third party. The use of these copyrighted documents, or parts of them, including graphic elements, from these documents in marketing material, either print, electronic or web is prohibited. The sale, transfer, copying of these documents or any parts of these documents to any other party is prohibited.

Static Control Components, Inc. retains all rights to its copyrighted documents, and any use of these documents by User should reference Static Control's copyrights, with the notice "copyright Static Control Components, Inc."

Static Control reserves the right to cancel this license on 30-days written notice. All of the User's material incorporating Static Control's copyrighted documents shall be destroyed upon receipt of its notice of termination.

The User may not distribute, share, and otherwise convey the copyrighted documents to any other persons, corporations or individuals.

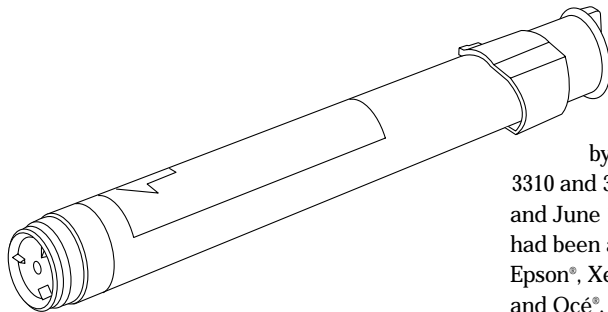
The User, by use of these documents, acknowledges Static Control's copyright in these materials.

STATIC CONTROL DOES NOT GUARANTEE OR WARRANT DOWNLOADED INFORMATION

The information User is downloading is published by Static Control in "as is" condition "with all faults". Static Control makes no representations or warranties of any kind concerning the quality, safety, or suitability of the downloadable materials, either express or implied, including without limitation any implied warranties of merchantability, fitness for a particular purpose, or non-infringement. Further, Static Control makes no representations or warranties as to the truth, accuracy or completeness of any statements, information or materials concerning items available for download. In no event will Static Control be liable for any indirect, punitive, special, incidental, or consequential damages however they may arise even if Static Control has been previously advised of the possibility of such damages.



Tektronix® Phaser® 780 (QMS® magicolor® 330) Toner Cartridge Remanufacturing Instructions



QMS released the magicolor 330 color laser printer in August 1998. It became the first product introduced in the US market to use a Fuji-Xerox color engine. The engine was originally introduced in Japan by Fuji-Xerox in the Color Laser Wind 3310 and 3320 printers released in February and June 1998. By the end of 1999, the engine had been adopted by several OEMs including Epson®, Xerox®, Mita®, Mannesmann Tally®, and Océ®.

About the Cartridge

Released November 1998, the Tektronix® Phaser® 780 is based on the same Fuji-Xerox® color laser engine as the QMS® magicolor® 330. The Phaser 780 did not stray far from the magicolor 330's design and specifications. The toner cartridges are practically identical to the QMS brand, but have been keyed differently to prevent the compatibility of the less-expensive QMS supplies into Tektronix 780 machines.

Targeted mainly at the graphic arts market, this Fuji-Xerox engine offers resolutions ranging from 600 x 600 dpi to 1200 x 1200 dpi depending on the model. It has print speeds of 4 ppm with 4 colors, 16 ppm monochrome, and 2 ppm color/8ppm monochrome for transparencies, labels, 11x17 and A3 media. It uses seven consumables: four toner cartridges, an OPC drum, a fuser oil roller, and the waste toner box.

continued, page 2

WWW.SCC-INC.COM

Get the latest information on the web at Static Control's Tektronix® Phaser® 780 Online Engine Center at www.scc-inc.com



System Support Series™ Documents are available on our Web site in Adobe® Acrobat® format.

If you need additional information or technical assistance, please contact your Support Team.

1.800.488.2426 (USA)
+44 (0) 118.923.8800 (UK)
techservices@scc-inc.com (USA)
technical@scc-europe.co.uk (UK)
www.scc-inc.com

Supplies Information- Tektronix® Phaser® 780

Item	OEM Part #	Yield	List*	Wholesale*
Black Toner Unit*	016-1678-00	4.5K	\$99.00	\$88.00
Cyan Toner Unit*	016-1679-00	5.9K	\$179.00	\$160.00
Magenta Toner Unit*	016-1680-00	5.9K	\$179.00	\$160.00
Yellow Toner Unit*	016-1681-00	5.9K	\$179.00	\$160.00
OPC Drum *	016-1864-00	12.5K-50K	\$199.00	\$178.00
Fuser Roll Cartridge*	016-1866-00	20K	\$69.00	\$62.00
Waste Toner Box*	016-1865-00	20K	\$29.00	\$26.00

*Prices as of August 2000

Supplies Information- QMS® magicolor® 330

Item	OEM Part #	Yield	List*	Wholesale*
Black Toner Unit*	1710322-001	4.5K	\$53.00	\$46.00
Cyan Toner Unit*	1710322-002	6K	\$137.00	\$119.00
Magenta Toner Unit*	1710322-004	6K	\$137.00	\$119.00
Yellow Toner Unit*	1710322-003	6K	\$137.00	\$119.00
OPC Drum *	1710323-001	12.5K-50K	\$317.00	\$276.00
Fuser Oil*	1710325-001	20K	\$105.00	\$91.00
Waste Toner Box*	1710324-001	50K	\$49.00	

*Prices as of August 2000

About the Cartridge, continued

The imaging process is similar to the Minolta® Color PageWorks® where the toner cartridges are housed in a carousel. Latent images are created on the drum and then transferred to the transfer belt one color at a time. Once the image is completed, it is transferred to the paper so it can be fused and delivered to the output tray.

Compatible Models:

QMS® magicolor® 330/CX/EX
 Tektronix® Phaser® 780/Graphics/Plus
 Epson® ColorPage 8000
 Epson® EPL-C8000
 Fuji Xerox® Color Laser Wind 3310/3320 (Japan)
 Mannesmann Tally® Spectra*Star T8204/Plus
 Mita® Pointsource Ci 82P Model 1/Model 2
 Océ® 6480/CP
 Xerox® DocuColor 4 LP

Engine Information

Engine Designation	Fuji-Xerox® 3320	
Printer Name	QMS® magicolor® 330	Tektronix® Phaser®780
Date of Printer Introduction	August 1998	November 1998
Printer Status (Current/Discontinued)	Current	Current
Print Speed (pages per minute)-Mono/Color	16 ppm/4 ppm	16 ppm/4 ppm
Print Resolution (dpi)	600 x 600 dpi (CX); 1200 x 1200 dpi (EX)	600 x 600 dpi; (780) 1200 x 600 dpi (Graphics/Plus)



Tools and Supplies You Will Need

Use of Compressed Air

As of April 28, 1971, the Occupational Safety & Health Administration (OSHA) Standard, 29 CFR 1910.242 paragraphs a & b for general industry requires effective chip guarding and personal protective equipment (PPE) when using compressed air. When cleaning residual toner particles from cartridges using a compressed air system, you must use air nozzles meeting OSHA requirements. Air nozzles that regulate air pressure to a maximum of 30 psi comply with this standard. Refer to the OSHA publication for any updates or changes that have occurred since the date noted above.

Use of Isopropyl Alcohol

For best results, we recommend using ONLY 91-99% for cleaning as directed in these instructions. 91% isopropyl alcohol is available at most major drug stores; 99% isopropyl alcohol is available through distributors of chemical products. Follow the alcohol manufacturer's safety instructions.

Tools and Supplies

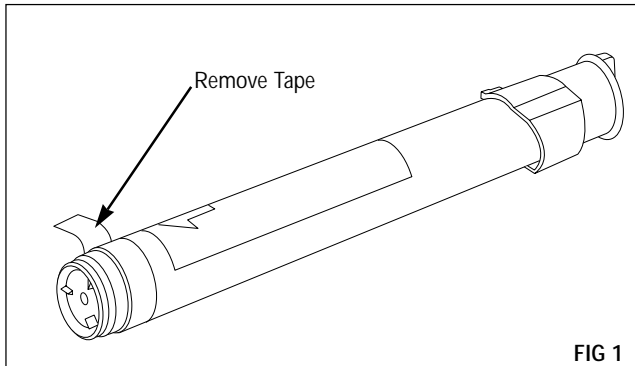
Recommended for Basic Remanufacturing:

- Compressed Air for Cleaning(See left)
- 91-99% Isopropyl Alcohol(See left)
- Lint-free Cleaning ClothLFCCLOTH
- Phaser® 780 PhotoPrecise™ Toner
- Black Vinyl Tape
- Light non-permanent adhesive
- Tektronix Phaser 780 Printer (For Testing)

Disassembly of the Toner Cartridge

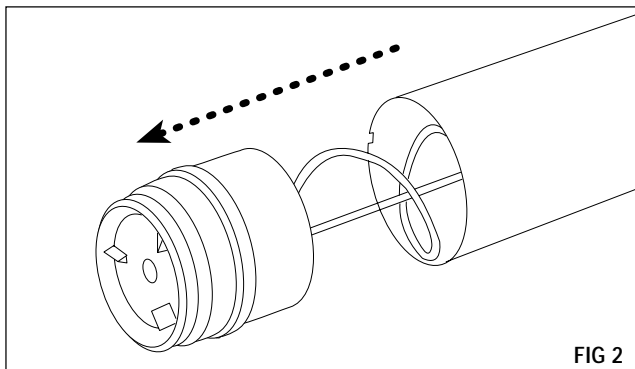
1. Remove the tape.

Remove the tape from the agitator end cap as shown (FIG 1).



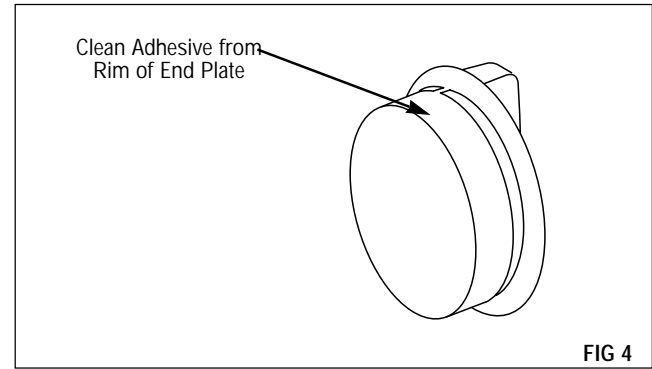
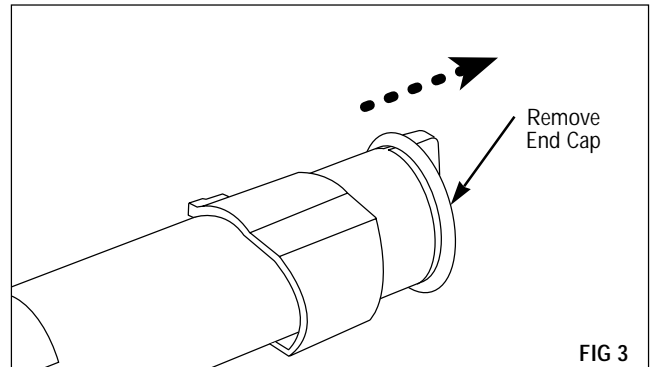
2. Remove the agitator end cap.

Pull the agitator end cap straight out as shown and remove the cap and agitator from the cartridge (FIG 2). Dump the remaining toner from the cartridge.



3. Remove the end cap on the opposite end.

Pull the end cap on the opposite end of the cartridge straight out as shown (FIG 2). Dump the remaining toner from this end of the cartridge. Clean the adhesive from the rim of the end cap by lightly scraping it with a Square-End Knife Tool (SEKTOOL). Remove the excess adhesive with a Lint-Free Cleaning Cloth (LFCloth moistened with 91%-99% Isopropyl alcohol (FIG 4).



4. Clean the cartridge.

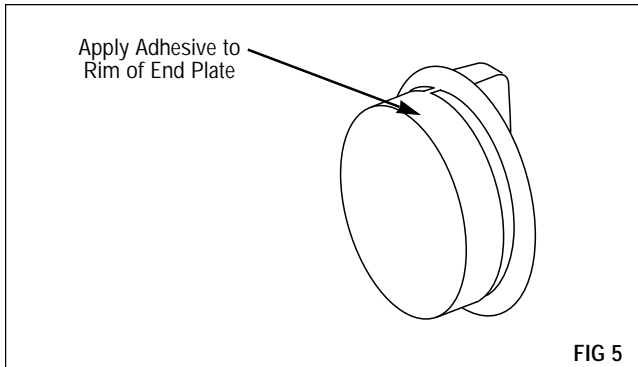
Use compressed air to clean the inside of both ends of the cartridge tube, the end caps and the agitator assembly.



Assembly of the Toner Cartridge

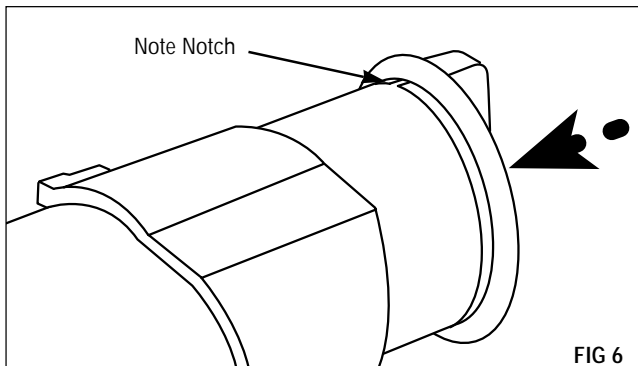
1. Apply adhesive to end plate.

Apply a light non-permanent adhesive around the rim of the endplate as shown (FIG 5).



2. Replace end plate.

Line up the notch on the cartridge with the notch on the endplate and replace the end plate (FIG 6).

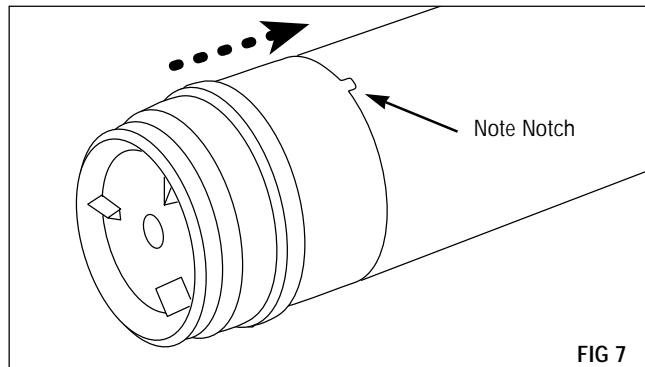


3. Fill the cartridge with toner.

Fill the cartridge with 240 grams of toner through the open (agitator side) end of the cartridge.

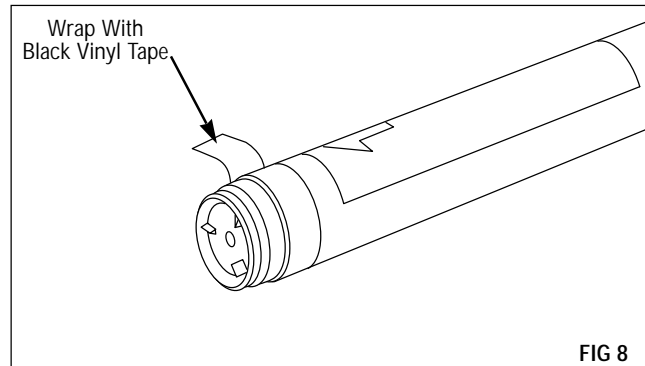
4. Replace the agitator end plate.

Line up the notch on the cartridge with the notch on the agitator end plate and replace the end plate (FIG 7). Moisten a Lint-Free Cleaning Cloth (LFCLOTH) with 91%-99% Isopropyl alcohol and clean the area where the end plate joins the cartridge.



5. Seal the agitator end plate.

Wrap a piece of black vinyl tape around the area where the agitator end cap joins the cartridge as shown to secure and seal the end plate (FIG 8).



STATIC CONTROL

Static Control Components, Inc.
3010 Lee Avenue • PO Box 152 • Sanford, NC 27331
US/Can 800-488-2426 • US/Can Fax 800-488-2452
Int'l 919-774-3808 • Int'l Fax 919-774-1287
www.scc-inc.com

Static Control Components (Europe) Limited
Unit 30, Worton Drive
Reading • Berkshire RG2 0TG • United Kingdom
Tel +44 (0) 118 923 8800 • Fax +44 (0) 118 923 8811
www.scc-inc.com