

David A. Crown,¹ D. Crim.

The Differentiation of Electrostatic Photocopy Machines

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ABSTRACT: The various electrostatic photocopy machines marketed encompass models using coated paper, plain paper, liquid toners, and dry toners with varying magnetic and fusing methods. Data regarding the 613 known electrostatic machines are given plus techniques for differentiating the various types of machines.

KEYWORDS: questioned documents, photocopiers, electrostatic photocopiers

In 1954, the "Electrofax" direct, coated paper electrostatic photocopy process was introduced to the public. Six years later, the first Xerox®, indirect, plain paper electrostatic photocopier was announced. These two types of photocopy machines have dominated the market since that time. In recent years, plain paper copiers with dry toners have taken over the market, relegating coated paper copiers to the ranks of the diffusion transfer, thermographic, and other copiers, the past history division of office machines.

The first step in differentiating electrostatic copiers is to separate the coated (zinc oxide) papers from the plain papers. When lightly scratched with a coin, a black streak is produced on zinc oxide papers while plain papers are not marked. Several excellent papers by Kelly and Haville [1], Totty et al. [2] in 1979, and Zimmerman et al. [3] in 1985 detail techniques for differentiating the various subgroupings of coated papers.

Kelly and Haville [1] recommend the use of ultraviolet (UV) lights, thin-layer chromatography, and infrared (IR) spectrophotometry to differentiate the various brands of coated paper. Totty et al. [2] advocate the use of the X-ray microprobe to differentiate the elemental constituency of coated and other photocopy papers, and Zimmerman et al. [3] cover the usage of IR spectrophotometry and pyrolysis gas chromatography to categorize the various coated papers studied.

Liquid toners can be differentiated from dry toners by their appearance under the stereo microscope. Dry toners can be scraped off the page with a scalpel while liquid toners appear to dye the paper fibers [4].

There are two types of dry toners in use today, monocomponent and dual component toners. Monocomponent toners have magnetic properties while the dual component toners with a toner plus a carrier are normally nonmagnetic. James [4] reports the existence of some dual component toners with slight magnetic properties. To check for magnetic properties, stroke the photocopy image with a magnet several times in the same direction to align the ferric oxide particles. Then place a 3M® magnetic ink detector, or equivalent, over the photocopy image. If the text is discernible, the photocopy toner is magnetic.

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¹Examiner of questioned documents, Fairfax, VA.

The various methods of fusing the toner to the paper surface are as follows:

- (1) cold pressure—cold fusing,
- (2) heat and pressure—hot roller and pressure,
- (3) heat rollers—hot rollers,
- (4) hot pressure belt, and
- (5) radiant heat.

Differentiation of the fusing methods is not simple. Cold pressure, under magnification, is evident by the impression of particles rolled onto the paper by pressure with the absence of any resinous glisten produced by any of the heat treatments. Radiant heat produces a glistening melt of the resin in the toner with a glisten to the scattered particles in the area of the edge of the character/line and so forth.

The various types of heat and pressure, heat rollers, and heat pressure belts all exhibit the characteristics of melted resin plus some pressure on the particles to afix the toner to the paper. James [4] provides a description of the various processes and other differentiating characteristics.

The data presented will help to differentiate some of the 613 known models of electrostatic photocopy machines. While the collation of data presented cannot be used to identify a specific photocopy model or brand, it can be used to demonstrate that a document was not copied by the specific machine claimed because of different fundamental characteristics.

In Table 1 data regarding 613 electrostatic photocopy machines was culled from Refs 5 through 41. In critical cases, data should be checked with the photocopy manufacturer. The abbreviations used include CP (coated paper), PP (plain paper), DT (dry toner) LT (liquid toner), M (mono component toner), and D (dual component toner).

TABLE 1—Data on 613 electrostatic photocopiers culled from Refs 5 through 41.

Brand, Model	Type	Type Toner	Fusing Method
AB Dick			
695	CP/LT	M	...
955	PP/DT	M	cold pressure
960EC	PP/DT	M	heat and pressure
965	PP/DT	D	heat and pressure
970	PP/DT	M	heat and pressure
975	PP/DT	D	heat and pressure
980	PP/DT	D	...
985	PP/DT	D	...
988RE	PP/DT	D	heat and pressure
990	PP/DT	D	...
985	PP/DT	D	heat and pressure
995	PP/DT	D	heat and pressure
995R	PP/DT	D	heat and pressure
998RE	PP/DT	M	heat and pressure
999RE	PP/DT	M	heat and pressure
7100	PP/DT	D	heat rollers
7200	PP/DT	D	heat rollers
K210	PP/DT	D	heat and pressure
K212	PP/DT	D	heat and pressure
K250	PP/DT	D	heat and pressure
K255	PP/DT	D	heat and pressure
K355	PP/DT	D	heat and pressure
K403	PP/DT	D	heat and pressure
K555	PP/DT	D	heat and pressure
Adler			
104DR	CP/DT	M	cold pressure
204DR	CP/DT	M	cold pressure

TABLE 1—Continued.

Brand, Model	Type	Type Toner	Fusing Method
Adler-Royal			
TA209	PP/DT	D	heat and pressure
TA210	PP/DT	D	heat and pressure
TA210C	PP/DT	D	heat and pressure
TA210TC	PP/DT	D	heat and pressure
TA211	PP/DT	D	heat and pressure
TA212	PP/DT	D	heat and pressure
TA212RE	PP/DT	D	heat and pressure
TA215Z	PP/DT	D	heat and pressure
TA216	PP/DT	D	heat and pressure
TA218R	PP/DT	D	heat and pressure
TA220	PP/DT	D	heat and pressure
TA220RE	PP/DT	D	heat and pressure
TA223	PP/DT	D	heat and pressure
TA230DZ	PP/DT	D	heat and pressure
TA230RE	PP/DT	D	heat and pressure
TA230Z	PP/DT	D	heat and pressure
TA250Z	PP/DT	D	heat and pressure
TA2021	PP/DT	D	heat and pressure
Albin			
1200/3	CP/DT	M	cold pressure
AM Multigraphics			
7700	PP/DT	D	heat rollers
7720	PP/DT	D	heat rollers
7760	PP/DT	D	heat rollers
Apeco			
525	PP/DT	M	...
786	CP/DT	M	...
Canon			
NP-115	PP/DT	M	heat and pressure
NP-120	PP/DT	M	cold pressure
NP-125	PP/DT	M	cold pressure
NP-150	PP/DT	M	heat and pressure
NP-155	PP/DT	M	heat and pressure
NP-155F	PP/DT	M	heat and pressure
NP-200	PP/DT	M	...
NP-210	PP/DT	M	heat rollers
NP-250	PP/DT	M	heat and pressure
NP-250F	PP/DT	M	heat and pressure
NP-270	PP/DT	M	heat and pressure
NP-270F	PP/DT	M	heat and pressure
NP-300	PP/DT	M	heat rollers
NP-300F	PP/DT	M	heat rollers
NP-300AF	PP/DT	M	heat rollers
NP-300S	PP/DT	M	...
NP-350	PP/DT	M	heat and pressure
NP-350F	PP/DT	M	heat and pressure
NP-400	PP/DT	M	heat rollers
NP-400F	PP/DT	M	heat rollers
NP-400AF	PP/DT	M	heat rollers
NP-400S	PP/DT	M	...
NP-500AF	PP/DT	M	heat rollers
NP-2015	PP/DT	M	heat and pressure
NP-2015F	PP/DT	M	heat and pressure
NP-3025	PP/DT	M	heat and pressure
NP-3025F	PP/DT	M	heat and pressure
NP-3525	PP/DT	M	heat and pressure
NP-3525F	PP/DT	M	heat and pressure
NP-4035	PP/DT	M	heat and pressure
NP-4040	PP/DT	M	heat and pressure

TABLE 1—Continued.

Brand, Model	Type	Type Toner	Fusing Method
NP-4040F	PP/DT	M	heat and pressure
NP-4540EF	PP/DT	M	heat and pressure
NP-4540RDF	PP/DT	M	heat and pressure
NP-5500	PP/DT	D	...
NP-6000	PP/DT	D	...
NP-7050	PP/DT	M	heat and pressure
NP-7550	PP/DT	M	heat and pressure
NP-8070	PP/DT	M	heat and pressure
NP-8570	PP/DT	M	heat and pressure
PC-3	PP/DT	M	heat rollers
PC-5	PP/DT	M	heat rollers
PC-5L	PP/DT	M	heat rollers
PC-10	PP/DT	M	heat rollers
PC-14	PP/DT	M	heat rollers
PC-20	PP/DT	M	heat rollers
PC-24	PP/DT	M	heat rollers
PC-25	PP/DT	M	heat rollers
PC-30	PP/DT	M	cold pressure
Clark			
CMC2000	PP/DT	D	cold pressure
Copier (Mitsui)			
Selex755C	PP/DT	M	...
Copystatics			
SX 10	PP/DT	M	cold pressure
SX 18	PP/DT	D	heat and pressure
SX 30	PP/DT	D	heat and pressure
Cybernet			
CP 55	PP/DT	M	...
Develop			
20	PP/DT	M	cold pressure
30	PP/DT	M	heat rollers and pressure
Eastman Kodak			
40	PP/DT	M	...
85	PP/DT	M	heat and pressure
100	PP/DT	D	heat rollers
100F	PP/DT	D	heat rollers
100P	PP/DT	D	heat rollers
100AF	PP/DT	D	heat rollers
100PS	PP/DT	D	heat rollers
150	PP/DT	D	heat rollers
150F	PP/DT	D	heat rollers
150P	PP/DT	D	heat rollers
150AF	PP/DT	D	heat rollers
150PS	PP/DT	D	heat rollers
200AF	PP/DT	M	...
IM40	PP/DT	M	...
Eskofot			
204	CP/DT	M	cold pressure
1001	PP/DT	D	...
1001ADF	PP/DT	D	...
1626	CP/LT	D	...
1626DT	CP/DT	M	...
No. 1	CP/DT	M	cold pressure
Facit			
2350	PP/DT	M	cold pressure
Gestetner			
PF-11	CP/DT	M	cold pressure
2000	PP/DT	D	heat and pressure
2000S	PP/DT	D	heat and pressure
2001	PP/DT	D	heat and pressure

TABLE 1—Continued.

Brand, Model	Type	Type Toner	Fusing Method
2002R	PP/DT	D	heat and pressure
2003	PP/DT	D	...
2004	PP/DT	D	...
2005R	PP/DT	D	heat and pressure
2006	PP/DT	D	heat and pressure
2007RE	PP/DT	D	heat and pressure
2008RE	PP/DT	D	heat and pressure
2010	PP/DT	D	...
2045R	PP/DT	D	heat and pressure
2110	PP/DT	D	heat and pressure
2110C	PP/DT	D	heat and pressure
2111CE	PP/DT	D	heat and pressure
2112RE	PP/DT	D	heat and pressure
2115Z	PP/DT	D	heat and pressure
2130Z	PP/DT	D	heat and pressure
2130ZD	PP/DT	D	heat and pressure
2140RE	PP/DT	D	heat and pressure
2150Z	PP/DT	D	heat and pressure
2200	PP/DT	D	heat and pressure
2217	PP/DT	D	heat and pressure
2240	PP/DT	D	heat and pressure
Harris/3M			
516	PP/DT	D	hot roller and pressure
536	PP/DT	D	heat and pressure
537	PP/DT	D	heat and pressure
583	PP/DT	D	hot roller and pressure
583DF	PP/DT	D	hot roller and pressure
6010	PP/DT	D	heat and pressure
6022	PP/DT	D	hot roller and pressure
6022DF	PP/DT	D	hot roller and pressure
6030	PP/DT	D	heat and pressure
6040	PP/DT	D	hot roller and pressure
6040DF	PP/DT	D	hot roller and pressure
IBM			
I	PP/DT	D	...
II	PP/DT	D	radiant heat
III(10)	PP/DT	D	heat rollers
III(20)	PP/DT	D	heat rollers
III(30)	PP/DT	D	heat rollers
III(40)	PP/DT	D	heat rollers
III(50)	PP/DT	D	heat rollers
III(60)	PP/DT	D	heat rollers
III(70)	PP/DT	D	heat rollers
III(85)	PP/DT	D	heat rollers
102	PP/DT	D	heat rollers
Kip			
A3161	PP/DT	D	heat rollers
A3232	PP/DT	D	heat rollers
LE123	PP/DT	D	heat rollers
Konica-Royal			
700MM	PP/DT	D	heat rollers
702MM	PP/DT	D	heat rollers
1001	PP/DT	D	heat and pressure
1200MC	PP/DT	M	heat and pressure
1500	PP/DT	D	heat and pressure
1503ZMR	PP/DT	D	heat and pressure
1803ZMR	PP/DT	D	heat and pressure
2203ZMR	PP/DT	D	heat and pressure
2505MR	PP/DT	D	heat and pressure
2803ZMR	PP/DT	D	heat and pressure

TABLE 1—Continued.

Brand, Model	Type	Type Toner	Fusing Method
3302MR	PP/DT	D	heat and pressure
4003ZMR	PP/DT	D	heat and pressure
5003ZMR	PP/DT	D	heat and pressure
5503ZMR	PP/DT	D	heat and pressure
Lumoprint			
Compact	PP/DT	D	...
EFAX-D	/DT	M	...
Minolta			
EG-301	CP/DT	M	...
EP-50	PP/DT	D	heat roller
EP-270	PP/DT	D	heat and pressure
EP-300	PP/DT	D	heat and pressure
EP-300RE	PP/DT	D	heat and pressure
EP-310	PP/DT	D	heat and pressure
EP-320	PP/DT	D	heat and pressure
EP-350	PP/DT	D	heat roller
EP-350Z	PP/DT	D	heat roller
EP-410Z	PP/DT	D	heat and pressure
EP-415Z	PP/DT	D	heat and pressure
EP-450	PP/DT	D	heat roller
EP-450Z	PP/DT	D	heat roller
EP-470Z	PP/DT	D	heat and pressure
EP-510	PP/DT	D	...
EP-520	PP/DT	D	...
EP-530	PP/DT	D	heat and pressure
EP-530R	PP/DT	D	heat and pressure
EP-530RII	PP/DT	D	heat and pressure
EP-550Z	PP/DT	D	heat roller
EP-570Z	PP/DT	D	heat and pressure
EP-650Z	PP/DT	D	heat roller
EP-710	PP/DT	D	heat and pressure
EP-850Z	PP/DT	D	heat roller
EP-870	PP/DT	D	heat and pressure
EP-870CS	PP/DT	D	heat and pressure
EP-870DDF	PP/DT	D	heat and pressure
Mita			
600-D	CP/DT	M	cold pressure
800-D	CP/DT	M	cold pressure
800-DADF	CP/DT	M	cold pressure
900-D	CP/DT	M	cold pressure
DC-111	PP/DT	D	heat and pressure
DC-111C	PP/DT	D	heat and pressure
DC-114	PP/DT	D	heat and pressure
DC-121	PP/DT	D	heat and pressure
DC-122	PP/DT	D	heat and pressure
DC-131	PP/DT	D	heat and pressure
DC-132	PP/DT	D	heat and pressure
DC-133R	PP/DT	D	heat and pressure
DC-142RE	PP/DT	D	heat and pressure
DC-152Z	PP/DT	D	heat and pressure
DC-161	PP/DT	D	...
DC-162	PP/DT	D	...
DC-181R	PP/DT	D	heat and pressure
DC-191	PP/DT	D	heat and pressure
DC-211	PP/DT	D	heat and pressure
DC-213RE	PP/DT	D	heat and pressure
DC-232	PP/DT	D	heat and pressure
DC-312RE	PP/DT	D	heat and pressure
DC-313Z	PP/DT	D	heat and pressure

TABLE 1—Continued.

Brand, Model	Type	Type Toner	Fusing Method
DC-313ZD	PP/DT	D	heat and pressure
DC-412RE	PP/DT	D	heat and pressure
DC-513Z	PP/DT	D	heat and pressure
DC-1001	PP/DT	D	heat and pressure
DC-1785	PP/DT	D	heat and pressure
DC-2105	PP/DT	D	heat and pressure
DC-4055	PP/DT	D	heat and pressure
MC-10	PP/DT	M	...
Monroe			
RL612	PP/DT	D	heat and pressure
RL614	PP/DT	D	heat and pressure
RL618	PP/DT	D	heat and pressure
RL620R	PP/DT	D	heat and pressure
RL630RE	PP/DT	D	heat and pressure
RL640	PP/DT	D	heat and pressure
RL640RE	PP/DT	D	heat and pressure
RL710	PP/DT	D	heat and pressure
RL710C	PP/DT	D	heat and pressure
RL715RE	PP/DT	D	heat and pressure
RL717Z	PP/DT	D	heat and pressure
RL725RE	PP/DT	D	heat and pressure
RL735Z	PP/DT	D	heat and pressure
RL750Z	PP/DT	D	heat and pressure
RL810C	PP/DT	D	heat and pressure
RL835ZD	PP/DT	D	heat and pressure
OCE			
1725	PP/DT	M	hot pressure belt
1750RDF	PP/DT	M	hot pressure belt
1750FIN	PP/DT	M	hot pressure belt
1825	PP/DT	M	hot pressure belt
1850	PP/DT	M	hot pressure belt
1900	PP/DT	M	hot pressure belt
1925	PP/DT	M	hot pressure belt
Olivetti (Docutel)			
1000	PP/DT	M	cold pressure
1050	PP/DT	M	cold pressure
1300	PP/DT	D	...
1400	PP/DT	D	...
1450	PP/DT	D	...
1550	PP/DT	D	...
1710	PP/DT	D	heat and pressure
1810	PP/DT	D	heat and pressure
1900	PP/DT	D	...
2000	PP/DT	D	...
2510	PP/DT	D	heat and pressure
2550	PP/DT	D	heat and pressure
Olympia			
001 Bond	PP/DT	D	cold pressure
Olympus			
E102	PP/DT	M	cold pressure
F251	PP/DT	D	heat and pressure
F252	PP/DT	D	heat and pressure
P1103	PP/DT	D	radiant heat
Panasonic			
FP1000	PP/DT	D	heat and pressure
FP1100	PP/DT	D	heat and pressure
FP1300	PP/DT	D	heat and pressure
FP1310	PP/DT	D	heat and pressure
FP1310R	PP/DT	D	heat and pressure
FP1520	PP/DT	D	heat and pressure

TABLE 1—Continued.

Brand, Model	Type	Type Toner	Fusing Method
FP1530	PP/DT	D	heat and pressure
FP1801	PP/DT	D	heat and pressure
FP1802	PP/DT	D	heat and pressure
FP2520	PP/DT	D	heat and pressure
FP2625	PP/DT	D	heat and pressure
FP3001	PP/DT	D	heat and pressure
FP3002	PP/DT	D	heat and pressure
FP3007	PP/DT	D	heat and pressure
FP3010R	PP/DT	D	heat and pressure
FP3030	PP/DT	D	heat and pressure
FP3040	PP/DT	D	heat and pressure
FP4520	PP/DT	D	heat and pressure
Pitney Bowes			
458	CP/DT	M	cold pressure
458AF	CP/DT	M	cold pressure
2000	PP/DT	D	heat and pressure
2800	PP/DT	D	heat and pressure
3800	PP/DT	D	heat and pressure
5200	PP/DT	D	cold pressure
9600	PP/DT	D	heat and pressure
9600R	PP/DT	D	heat and pressure
D230	PP/DT	D	heat and pressure
D350	PP/DT	D	heat and pressure
D460	PP/DT	D	heat and pressure
D500	PP/DT	D	heat and pressure
D860	PP/DT	D	hot roller
L215	PP/DT	M	heat and pressure
L315	PP/DT	M	heat and pressure
M120	PP/DT	D	heat and pressure
M122	PP/DT	D	heat and pressure
M250	PP/DT	D	heat and pressure
M350	PP/DT	D	heat and pressure
PBC-2	PP/DT	D	heat and pressure
Radio Shack			
EPC150	CP/LT	D	...
PPC200	PP/DT	M	cold pressure
Rex-Rotary			
RR4000	CP/LT	D	...
RR4020	CP/DT	M	cold pressure
RR4040	CP/LT	D	...
RR4080	CP/DT	M	cold pressure
RR5080S	PP/DT	D	radiant heat
RR6080	PP/DT	M	cold pressure
Ricoh			
FT2050	PP/DT	M	heat and pressure
FT2070	PP/DT	M	heat and pressure
FT3020	PP/DT	D	heat and pressure
FT3050	PP/DT	D	heat and pressure
FT3060	PP/DT	D	heat and pressure
FT4030	PP/DT	D	heat rollers
FT4060	PP/DT	D	heat and pressure
FT4065	PP/DT	D	heat and pressure
FT4085	PP/DT	D	heat and pressure
FT4420	PP/DT	D	heat and pressure
FT4700	PP/DT	M	...
FT5000	PP/DT	D	heat and pressure
FT5010	PP/DT	D	heat and pressure
FT5050	PP/DT	D	heat and pressure
FT5070	PP/DT	D	heat and pressure
FT5520	PP/DT	D	heat and pressure

TABLE 1—Continued.

Brand, Model	Type	Type Toner	Fusing Method
FT6080	PP/DT	D	heat and pressure
FT6085	PP/DT	D	heat and pressure
FT6200	PP/DT	D	heat and pressure
FT6200R	PP/DT	D	heat and pressure
FT6200FD	PP/DT	D	heat and pressure
FT6200FR	PP/DT	D	heat and pressure
FT6200FRS	PP/DT	D	heat and pressure
FT6600FD	PP/DT	D	heat rollers
FT6600FDS	PP/DT	D	heat rollers
FT7060	PP/DT	D	heat and pressure
FW420	PP/DT	D	...
M10	PP/DT	M	heat and pressure
RiPro	PP/DT	M	heat and pressure
RiProJr	PP/DT	M	heat and pressure
Roneo			
DB-2	CP/LT	M	
DB-3D	CP/DT	M	pressure
R230	PP/DT	D	heat and pressure
XR-11	CP/DT	M	pressure
XS-17	CP/DT	M	...
1005	PP/DT	M	cold pressure
1015	PP/DT	M	heat and pressure
Rabbit	CP/DT	M	cold pressure
Royal			
110	PP/DT	M	heat and pressure
115	PP/DT	D	heat and pressure
122	PP/DT	D	heat and pressure
130	PP/DT	D	heat and pressure
130R	PP/DT	D	heat and pressure
145	PP/DT	D	heat and pressure
145R	PP/DT	D	heat and pressure
204DR	CP/DT	M	cold pressure
RBC IR	PP/DT	D	...
RBC IIIB	PP/DT	D	...
RBC IV	PP/DT	D	...
Sanyo			
SFT70	PP/DT	D	heat and pressure
SFT70M	PP/DT	D	heat and pressure
SFT600	PP/DT	D	heat and pressure
SFT605	PP/DT	D	heat and pressure
SFT800	PP/DT	D	heat rollers
SFT800E	PP/DT	D	heat and pressure
SFT802E	PP/DT	D	heat rollers
SFT850E	PP/DT	D	heat rollers
SFT852E	PP/DT	D	heat rollers
SFT1100Z	PP/DT	D	heat rollers
SFT1100ZE	PP/DT	D	heat and pressure
SFT1102ZE	PP/DT	D	heat and pressure
SFT1150Z	PP/DT	D	heat and pressure
SFT1150ZE	PP/DT	D	heat and pressure
SFT1152ZE	PP/DT	D	heat and pressure
SFT1200Z	PP/DT	D	heat and pressure
SFT1250Z	PP/DT	D	heat and pressure
SFTZ115	PP/DT	D	heat and pressure
SFTZ116	PP/DT	D	heat and pressure
SFTZ122	PP/DT	D	heat and pressure
SFTZ122F	PP/DT	D	heat and pressure
SFTZ123F	PP/DT	D	heat and pressure
Savin			
755	PP/LT	D	heat

TABLE 1—Continued.

Brand, Model	Type	Type Toner	Fusing Method
772	PP/LT	D	heat
775	PP/LT	D	heat
775+1	PP/LT	D	heat
780	PP/LT	D	heat
840	PP/LT	D	heat
850	PP/LT	D	heat
870	PP/LT	D	heat
870+1	PP/LT	D	heat
880	PP/LT	D	heat
880/3	PP/LT	D	heat
895	PP/LT	D	heat
5015	PP/DT	D	heat and pressure
5015RE	PP/DT	D	heat and pressure
5020	PP/DT	D	heat and pressure
5030	PP/LT	D	heat and pressure
5040	PP/LT	D	heat and pressure
7010	PP/DT	M	heat and pressure
7015	PP/DT	M	heat and pressure
7015RE	PP/DT	M	heat and pressure
7015Z	PP/DT	D	heat and pressure
7020	PP/DT	D	heat and pressure
7025	PP/DT	D	heat and pressure
7035	PP/DT	D	heat and pressure
7040	PP/LT	D	heat
7045	PP/DT	D	heat and pressure
7050	PP/LT	D	heat
7050W	PP/LT	D	heat
7055	PP/DT	D	heat and pressure
7065	PP/DT	D	heat and pressure
V-35	PP/LT	D	heat
Saxon			
BC2000	PP/DT	D	...
SX10	PP/DT	M	cold pressure
SX30ADF	PP/DT	D	...
Smith Corona Marchand			
1201	PP/DT	D	...
2302	PP/DT	D	...
Sharp			
SF501	CP/DT	M	...
SF740	PP/DT	D	...
SF741	PP/DT	D	...
SF750	PP/DT	D	heat rollers
SF755	PP/DT	D	heat rollers
SF756	PP/DT	D	heat rollers
SF760	PP/DT	D	heat rollers
SF770	PP/DT	D	
SF771	PP/DT	D	heat and pressure
SF780	PP/DT	D	heat rollers
SF781	PP/DT	D	heat and pressure
SF810	PP/DT	D	heat and pressure
SF811	PP/DT	D	heat and pressure
SF811CN	PP/DT	D	heat and pressure
SF815	PP/DT	D	heat and pressure
SF815CN	PP/DT	D	heat and pressure
SF816	PP/DT	D	heat and pressure
SF820	PP/DT	D	heat and pressure
SF825	PP/DT	D	heat and pressure
SF826	PP/DT	D	heat and pressure
SF850	PP/DT	D	heat and pressure
SF850F	PP/DT	D	...

TABLE 1—Continued.

Brand, Model	Type	Type Toner	Fusing Method
SF850S	PP/DT	D	...
SF900	PP/DT	D	heat rollers
SF901	PP/DT	D	heat rollers
SF7100	PP/DT	D	heat and pressure
SF7200	PP/DT	D	heat and pressure
SF7700	PP/DT	D	heat rollers
SF7750	PP/DT	D	heat rollers
SF8100	PP/DT	D	heat and pressure
SF8200	PP/DT	D	heat and pressure
SF8200VMR	PP/DT	D	heat and pressure
SF8260	PP/DT	D	heat and pressure
SF8600	PP/DT	D	heat and pressure
SF9100	PP/DT	D	heat rollers
SF9300	PP/DT	D	heat and pressure
SF9500	PP/DT	D	heat and pressure
SF9510	PP/DT	D	heat and pressure
SF9550	PP/DT	D	heat and pressure
SF9600	PP/DT	D	heat and pressure
Z50	PP/DT	D	heat and pressure
Z55	PP/DT	D	heat and pressure
Z60	PP/DT	D	heat and pressure
Z70	PP/DT	D	heat and pressure
Speed-O-Print			
Develop 20	PP/DT	M	cold pressure
MDC-A	CP/DT	M	...
PMC	CP/DT	M	cold pressure
Standard			
213	PP/DT	D	heat and pressure
225	PP/DT	D	heat and pressure
6080	PP/DT	M	cold fusing
3M			
226	CP/DT	M	cold pressure
273	CP/DT	M	cold pressure
283	CP/DT	M	cold pressure
293	CP/DT	M	cold pressure
359	CP/DT	M	cold pressure
369	CP/DT	M	cold pressure
379	CP/DT	M	cold pressure
483	CP/DT	M	cold pressure
516	PP/DT	D	hot roller and pressure
526	PP/DT	D	heat and pressure
536	PP/DT	D	heat and pressure
537	PP/DT	D	heat and pressure
545	PP/DT	D	heat and pressure
546	PP/DT	D	heat and pressure
565	PP/DT	D	hot roller and pressure
566	PP/DT	D	heat and pressure
570	PP/DT	D	hot roller and pressure
583	PP/DT	D	hot roller and pressure
583DF	PP/DT	D	hot roller and pressure
586	PP/DT	D	hot roller and pressure
595	PP/DT	D	heat roller and pressure
596	PP/DT	D	heat and pressure
732	CP/DT	M	...
777	PP/DT	M	cold pressure
787	PP/DT	M	heat roller
839	CP/DT	M	cold pressure
848	PP/DT	M	...
6010	PP/DT	D	heat and pressure
6040	PP/DT	D	hot roller and pressure

TABLE 1—Continued.

Brand, Model	Type	Type Toner	Fusing Method
Secretary II	PP/DT	D	...
Secretary Alpha	PP/DT	D	...
Secretary Beta	PP/DT	D	...
Secret III	PP/DT	D	heat and pressure
VQC-III	CP/DT	M	...
VQC-III LDC	CP/DT	M	...
VQC-Comp	CP/DT	M	cold pressure
Toshiba			
BD601	PP/DT	D	...
BD707	PP/DT	D	...
BD728	PP/DT	D	...
BD909	PP/DT	D	...
BD3110	PP/DT	D	heat and pressure
BD3201	PP/DT	D	...
BD3202	PP/DT	D	...
BD3301	PP/DT	D	heat and pressure
BD3503	PP/DT	D	heat and pressure
BD3701	PP/DT	D	heat and pressure
BD4111	PP/DT	D	heat and pressure
BD4121	PP/DT	D	heat and pressure
BD4501	PP/DT	D	heat and pressure
BD4511	PP/DT	D	heat and pressure
BD4515	PP/DT	D	heat and pressure
BD4810	PP/DT	D	heat and pressure
BD5511	PP/DT	D	heat and pressure
BD5610	PP/DT	D	hot roller and pressure
BD5620	PP/DT	D	hot roller and pressure
BD7501	PP/DT	D	heat and pressure
BD7511	PP/DT	D	heat roller and pressure
BD7511F/S	PP/DT	D	...
BD7720	PP/DT	D	heat and pressure
BD7812	PP/DT	D	heat and pressure
BD7815	PP/DT	D	heat and pressure
BD7816	PP/DT	D	heat and pressure
BD8101	PP/DT	D	heat and pressure
BD8102	PP/DT	D	heat and pressure
BD8412	PP/DT	D	heat and pressure
BD8812	PP/DT	D	heat and pressure
Towa			
T-1000	PP/DT	D	heat and pressure
T-1800	PP/DT	D	heat and pressure
Van Dyke			
4000	PP/DT	D	...
4100	PP/DT	D	heat and pressure
6000	PP/DT	D	heat and pressure
8000	PP/DT	D	...
Xerox			
550	PP/DT	D	...
660	PP/DT	D	...
1012	PP/DT	M	heat and pressure
1012RE	PP/DT	M	heat and pressure
1020	PP/DT	D	heat and pressure
1025	PP/DT	D	radiant heat
1025RE	PP/DT	D	radiant heat
1035	PP/DT	D	heat and pressure
1038	PP/DT	D	radiant heat
1038Z	PP/DT	D	radiant heat

TABLE 1—Continued.

Brand, Model	Type	Type Toner	Fusing Method
1040	PP/DT	D	radiant heat
1045	PP/DT	D	heat and pressure
1048	PP/DT	D	heat and pressure
1050	PP/DT	D	radiant heat
1055	PP/DT	D	heat and pressure
1065	PP/DT	D	heat and pressure
1075	PP/DT	D	heat and pressure
1090	PP/DT	D	radiant heat
2300	PP/DT	D	heat rollers
2350	PP/DT	D	heat rollers
2400	PP/DT	D	heat rollers
2600	PP/DT	D	radiant heat
2830	PP/DT	D	heat and pressure
3100	PP/DT	D	radiant heat
3100LDC	PP/DT	D	radiant heat
3107	PP/DT	D	radiant heat
3109	PP/DT	D	radiant heat
3300	PP/DT	D	radiant heat
3300-I	PP/DT	D	radiant heat
3300-II	PP/DT	D	radiant heat
3400	PP/DT	D	radiant heat
3450	PP/DT	D	radiant heat
3600-I	PP/DT	D	heat rollers
4000	PP/DT	D	heat rollers
4500	PP/DT	D	heat rollers
5400	PP/DT	D	heat rollers
5600	PP/DT	D	heat rollers
7000	PP/DT	D	heat rollers
8200	PP/DT	D	"soft" heat rollers
9210	PP/DT	D	...
Yorktown			
700	PP/DT	D	...
J	PP/DT	M	cold pressure

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Address requests for reprints or additional information
 Dr. David A. Crown
 3103 Jessie Court
 Fairfax, VA 22030