



Head2Head Comparison

Make	Hewlett-Packard	
Model	Business Inkjet 2800dn	
Price	\$999.00	
Imaging	Ink-jet	
Classification	A3 Color Ink-Jet Printers	
Resolution (dpi)	4800x1200	Network Scan <input type="checkbox"/>
BW/Color Print Speed (ppm)	24/21	Color Scan <input type="checkbox"/>
Monthly Duty Cycle (pages)	12,000	Network Print <input checked="" type="checkbox"/>
Max Media Length (inches)	19.0	Duplex Print <input checked="" type="checkbox"/>
Max Media Width	13.00	Duplex DF <input type="checkbox"/>
Walk-Up Fax <input type="checkbox"/>	Touch Screen <input type="checkbox"/>	USB 2.0 Port <input type="checkbox"/>


This printer's features of note include not only 13" x 19" media capability, but standard automatic duplexing and PostScript 3 print driver. With the printer's standard PostScript 3 print driver and photo paper, users can expect more photo-quality image quality. It features a standard JetDirect network print server (which includes compatibility with HP's Web Jetadmin network-management solution), providing easy networking and sharing among small workgroups.

Head2Head Comparison

Make	Ricoh	
Model	GX7000	
Price	\$749.00	
Imaging	Ink-jet	
Classification	A3 Color Ink-Jet Printers	
Resolution (dpi)	3,600x1,200	Network Scan <input type="checkbox"/>
BW/Color Print Speed (ppm)	29/29	Color Scan <input type="checkbox"/>
Monthly Duty Cycle (pages)	10,000	Network Print <input checked="" type="checkbox"/>
Max Media Length (inches)	51.0	Duplex Print <input checked="" type="checkbox"/>
Max Media Width	13.00	Duplex DF <input type="checkbox"/>
Walk-Up Fax <input type="checkbox"/>	Touch Screen <input type="checkbox"/>	USB 2.0 Port <input type="checkbox"/>


Ricoh's GX7000 is an A3 color ink-jet printer that employs Ricoh's Gelsprinter piezo ink-jet imaging technology, which utilizes a gel-like ink to create images and text. The advantage of ink in gel versus liquid form is that gel ink dries faster, and thus improves duplex productivity and minimizes problems associated with slower-drying liquid ink such as slower duplex productivity in order to allow ink to dry. The GX7000 features automatic duplexing and optional network connectivity.

Head2Head Comparison

Make	Hewlett-Packard	
Model	Officejet Pro K8600dn	
Price	\$399.00	
Imaging	Ink-jet	
Classification	A3 Color Ink-Jet Printers	
Resolution (dpi)	4800x1200	Network Scan <input type="checkbox"/>
BW/Color Print Speed (ppm)	33/35	Color Scan <input type="checkbox"/>
Monthly Duty Cycle (pages)	6,250	Network Print <input checked="" type="checkbox"/>
Max Media Length (inches)	19.0	Duplex Print <input checked="" type="checkbox"/>
Max Media Width	13.00	Duplex DF <input type="checkbox"/>
Walk-Up Fax <input type="checkbox"/>	Touch Screen <input type="checkbox"/>	USB 2.0 Port <input type="checkbox"/>


As its name suggests, the Officejet Pro K8600dn is suitable for general office use. It's equipped with a standard Jetdirect network interface for sharing among up to five users and compatibility with HP's Web JetAdmin for network management. It also features flexible media-handling capability, with the ability to produce borderless prints on up to 13" x 19" media, making it suitable for many graphic-arts and photo applications. A straight paper path enables the printer to handle heavy stock up to 76 lb. bond (158 lb. index).

Head2Head Comparison

Make	Canon	
Model	PIXMA Pro9000	
Price	\$499.00	
Imaging	Ink-jet	
Classification	A3 Color Ink-Jet Printers	
Resolution (dpi)	4800x2400	Network Scan <input type="checkbox"/>
BW/Color Print Speed (ppm)	1.1/1.1	Color Scan <input type="checkbox"/>
Monthly Duty Cycle (pages)	N/A	Network Print <input checked="" type="checkbox"/>
Max Media Length (inches)	19.0	Duplex Print <input type="checkbox"/>
Max Media Width	13.00	Duplex DF <input type="checkbox"/>
Walk-Up Fax <input type="checkbox"/>	Touch Screen <input type="checkbox"/>	USB 2.0 Port <input type="checkbox"/>

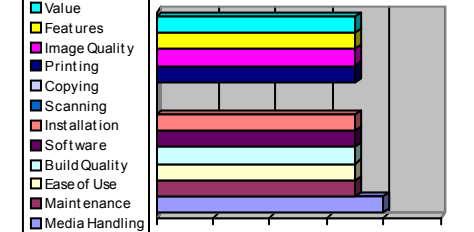
Canon's PIXMA Pro9000 is a compact photo printer that can print on media up to 13" x 19", and can be equipped with eight ink colors versus the traditional four (CMYK) ink colors. Eight-color printing enables the printer to produce professional and more photo-quality color output. The printer supports a wide variety of substrates and media—up to 1.2 mm thick—including card and index stock. Without network connectivity, it is suitable for a single user.

Head2Head Comparison

Make	Epson	
Model	Stylus Photo 1400	
Price	\$299.99	
Imaging	Ink-jet	
Classification	A3 Color Ink-Jet Printers	
Resolution (dpi)	5760x1440	Network Scan <input type="checkbox"/>
BW/Color Print Speed (ppm)	15/15	Color Scan <input type="checkbox"/>
Monthly Duty Cycle (pages)	N/A	Network Print <input type="checkbox"/>
Max Media Length (inches)	19.0	Duplex Print <input type="checkbox"/>
Max Media Width	13.00	Duplex DF <input type="checkbox"/>
Walk-Up Fax <input type="checkbox"/>	Touch Screen <input type="checkbox"/>	USB 2.0 Port <input type="checkbox"/>

Epson markets an extensive lineup of photo printers, and its Stylus Photo 1400 color ink-jet printer is a good example of the breed. It's essentially a six-color device that can print utilizing four ink colors (the traditional CMYK), but may also be equipped with two additional Light Cyan and Light Magenta, for six-color printing that enables it to produce more photo-quality color output. It can also produce borderless prints in media sizes from 4" x 6" up to 13" x 19" and can print on CDs and DVDs.

Wirth Consulting Performance Ratings



RATINGS SCOREBOARD	Total Ratings Score	35.5
Black/Color Cost Per Page	\$0.01772	\$0.06910
Total Cost of Ownership (Black/Color/ Mixed)		
100 pages/month	\$1,105.34	\$1,413.60
500 pages/month	\$1,530.68	\$2,035.49
1,000 pages/month	\$2,062.36	\$5,144.96
3,000 pages/month	\$4,189.09	\$13,436.89
5,000 pages/month	\$6,315.82	\$21,728.82

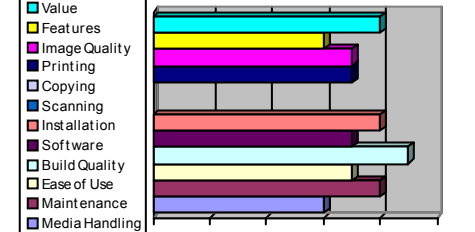
Strengths **Limitations**

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|---|--|
| <ul style="list-style-type: none"> •Low B/W and color consumables' color cost per page of 1.7 and 6.9 cents respectively. •256 MHz CPU and 96 MB standard memory. •Print on custom media sizes from 3.541" x 5.75" up to 13" x 19". •Remote Management Software (RMS) and very capable Web JetAdmin for printer and network management. •Modular system—users may add duplexing, additional paper source and expanded memory if required. •Two media sources—150-sheet tray and 250-sheet paper drawer. •Standard automatic duplexing. •Standard HP Jetdirect 620n (EIO) Internal Print Server, as well as a broad ranges of optional Jetdirect network interfaces for enhanced networking, security and data transmission. An optional Jetdirect Wireless Print Server is also available. •Optional JetCPAS solution for printing barcodes. | <ul style="list-style-type: none"> •Wirth Consulting has determined that this device does not have any notable limitations and should provide good functionality. |
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Best Use

Small and mid-size offices, as well as enterprises and home offices, that require color printing capability, and for easy sharing and management on the network. Suitable for some general office use, as well as for users who require the ability to print on media up to 13" x 19" (for producing marketing materials, newsletters, etc.), and who may require professional imaging capability and/or PostScript, the

Wirth Consulting Performance Ratings



RATINGS SCOREBOARD	Total Ratings Score	36.5
Black/Color Cost Per Page	\$0.01900	\$0.10290
Total Cost of Ownership (Black/Color/ Mixed)		
100 pages/month	\$862.98	\$1,366.38
500 pages/month	\$1,318.90	\$2,292.35
1,000 pages/month	\$1,888.80	\$6,922.30
3,000 pages/month	\$4,168.80	\$19,270.40
5,000 pages/month	\$6,446.00	\$31,618.00

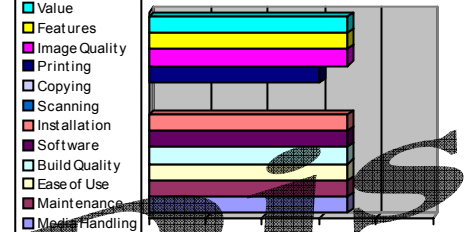
Strengths **Limitations**

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| <ul style="list-style-type: none"> •Low B&W consumables' cost per page of 1.4 cents; consumables' cost per page for color output is competitive at 10 cents per page. •Print on banner sheets up to 13" x 51" via optional 100-sheet bypass tray; main trays accept up to 11" x 17". •Print on up to approximately 140 lb. index stock (approximately 68 lb. bond) via optional bypass tray; main trays accept up to 42 lb. bond / 90 lb. index). •Accepts heavier paper stock—up to 140 lb. index stock. •Auto duplex mode, as gel ink requires less ink when drying. •SmartDeviceMonitor for Admin for network installation and management; •SmartDeviceMonitor for Client for end-user device monitoring. •Individual ink cartridges (only replace the color that is depleted). | <ul style="list-style-type: none"> •Wirth Consulting has determined that this device does not have any notable limitations and should provide good functionality. |
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Best Use

The Ricoh GX700 has a strong office-productivity feature set that makes it best suited as an all-around B&W/color printer with A3 capability.

Wirth Consulting Performance Ratings



RATINGS SCOREBOARD	Total Ratings Score	34.5
Black/Color Cost Per Page	\$0.01673	\$0.06374
Total Cost of Ownership (Black/Color/ Mixed)		
100 pages/month	\$499.38	\$781.43
500 pages/month	\$900.02	\$1,355.08
1,000 pages/month	\$1,402.84	\$4,223.30
3,000 pages/month	\$3,410.51	\$11,871.91
5,000 pages/month	\$5,418.18	\$19,520.52

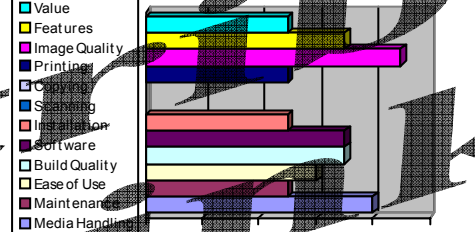
Strengths **Limitations**

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| <ul style="list-style-type: none"> •Low consumables' color cost per page of 6.4 cents; B&W consumables' cost per page is also economical at 1.7 cents per page. •Produce borderless prints on up to 13" x 19" (note that the 150-sheet bypass tray supports 18" x 18" prints). The printer incorporates a straight-through paper path for feeding up to 76 lb. bond (158 lb. index). •Standard Jetdirect (Ethernet) print server for enhanced network, security and transfer. Optional wireless Jetdirect print server. •Standard duplexing. | <ul style="list-style-type: none"> •Wirth Consulting has determined that this device does not have any notable limitations and should provide good functionality. |
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Best Use

Small and mid-size offices, as well as enterprises and home offices, that require color printing capability, and for easy sharing and management on the network. Suitable for some general office use, as well as for users who require the ability to print on media up to 13" x 19" (for producing sales collaterals for instance) and who may require photographic imaging capability. Users who require PostScript should

Wirth Consulting Performance Ratings



RATINGS SCOREBOARD	Total Ratings Score	32.0
Black/Color Cost Per Page	\$0.03553	\$0.14245
Total Cost of Ownership (Black/Color/ Mixed)		
100 pages/month	\$712.20	\$933.80
500 pages/month	\$1,585.00	\$2,631.00
1,000 pages/month	\$2,631.00	\$6,027.00
3,000 pages/month	\$6,095.00	\$26,083.00
5,000 pages/month	\$11,159.00	\$43,139.00

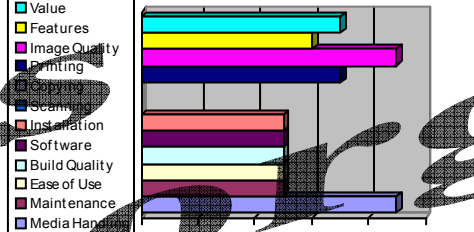
Strengths **Limitations**

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| <ul style="list-style-type: none"> •Four-color (CMYK) printing as well as eight-color printing. Eight-color printing adds Photo Cyan, Photo Magenta, Red, and Green). •Dye-based ink (ChromaLife 100) provides enhanced light fastness for printed images. •Individual ink cartridges (only replace the color that is depleted). •Software includes "Easy PhotoPrint Pro," a software plug-in for Adobe Shop for color management. | <ul style="list-style-type: none"> •No network capability standard or optional. •Relatively higher color consumables' cost per page of 14.2 cents. |
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Best Use

Individual use (no networking) by graphic artists, fine artists, photographers, etc., where professional/photo color printing is required.

Wirth Consulting Performance Ratings



RATINGS SCOREBOARD	Total Ratings Score	31.5
Black/Color Cost Per Page	\$0.04040	\$0.11074
Total Cost of Ownership (Black/Color/ Mixed)		
100 pages/month	\$542.42	\$964.42
500 pages/month	\$1,512.12	\$1,961.05
1,000 pages/month	\$2,724.25	\$6,944.25
3,000 pages/month	\$7,572.76	\$20,232.76
5,000 pages/month	\$12,421.27	\$33,521.27

Strengths **Limitations**

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|--|---|
| <ul style="list-style-type: none"> •Four-color (CMYK) printing as well as six-color printing (light cyan and light magenta). With six-color printing, the printer can produce professional and more photo-quality color output. •Print on index and card stock, as well as CDs and DVDs. •Can produce borderless prints on media sizes from 4" x 6" up to 13" x 19". •PictBridge port for printing directly from digital cameras and cell phones. •Software includes Web to Page and Adobe Photoshop Elements color management. Other color management includes PhotoEnhance, ICM and ColorSync with ICC profiles. •Separate ink cartridges (only replace the color that is depleted). | <ul style="list-style-type: none"> •No networking capability standard or optional. |
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Best Use

Individual use (no networking) by graphic artists, fine artists, photographers, ad agencies, etc., where professional color printing is required.