

# Wirth Consulting

## B2B Digital Imaging Product Evaluation

Wednesday, July 15, 2009 11:36:22 AM

# WYSK

"What You Should Know"

<b>Make</b>	Epson	<b>Model</b>	Workforce 40
<b>Functions</b>	Print	<b>Imaging Technology</b>	Ink-jet
<b>Classification</b> Color Printers Under \$250			



Epson's Workforce 40 uses what Epson calls "micro" piezo ink-jet imaging, a slight variation from the traditional thermal ink-jet printing. It boasts both standard WiFi wireless network connectivity and wired Ethernet (10/100 Base-T) network connectivity; however, duplexing is not available either standard or optional. Note though the printer's low power consumption--16 watts when printing. According to Epson, it can print laser-quality black text at its rated print speed of up to 38 ppm, making it appropriate for low B/W office-text and color print volumes.



## Specifications

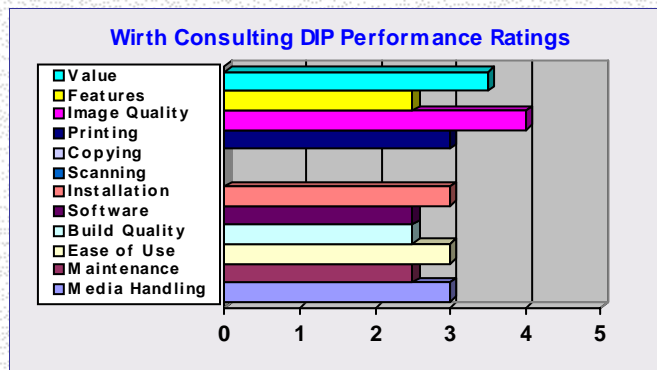
Monthly Duty Cycle		Max Media Width (inches)	8.5	215.90	mm	Price	\$99.00	€70.92
BW/Color Print Speed (PPM)	38/38	Max Media Length (inches)	44.0	1,117.60	mm	Duplex		
Max. Print Resolution (DPI)	5700x1440	Max Media Wt. (bond, lbs.)	24.0	81.00	gsm	Print		
Standard Memory (MB)		Height (inches)	12.50	317.50	mm	Network		
Std Media Capacity (sheets)	100	Width (inches)	17.10	434.34	mm	Scan		
Max Media Capacity (sheets)	100	Depth (inches)	21.90	556.26	mm	Doc Feeder		
Power Consumption (watts)	16	Weight (pounds)	9.0	4.08	kg	Full System	\$99.00	€70.92

## Feature Checklist

<b>Value Add</b>	<b>Print</b>	<b>Scan</b>	<b>Copy</b>
USB Convenience Port <input type="checkbox"/>	Duplex Printing <input type="checkbox"/>	Color Scanning <input type="checkbox"/>	Duplex Document Feeder <input type="checkbox"/>
Scanner <input type="checkbox"/>	Network Printing <input checked="" type="checkbox"/>	Network Scanning <input type="checkbox"/>	<b>Ease of Use</b>
Walk-Up Fax <input type="checkbox"/>	Microsoft Windows <input checked="" type="checkbox"/>	<b>Software</b>	Graphic Display <input type="checkbox"/>
LAN Fax <input type="checkbox"/>	Apple Mac <input checked="" type="checkbox"/>	Desktop Software <input checked="" type="checkbox"/>	Touch Screen <input type="checkbox"/>
<b>Image Quality</b>	Linux <input type="checkbox"/>	Web Utilities <input checked="" type="checkbox"/>	Navigation Keys <input checked="" type="checkbox"/>
BW Office IQ <input checked="" type="checkbox"/>	GDI Printing <input checked="" type="checkbox"/>	<b>Media Handling</b>	<b>Maintenance</b>
Color Office IQ <input checked="" type="checkbox"/>	PCL <input type="checkbox"/>	Feeds Index Stock <input type="checkbox"/>	All-in-One Toner Cartridge <input type="checkbox"/>
Professional IQ <input type="checkbox"/>	PostScript <input type="checkbox"/>	Max Weight from all Sources <input type="checkbox"/>	<b>Finishing</b>
Photographic IQ <input type="checkbox"/>	Adobe PostScript <input type="checkbox"/>	Holds Full Ream of Media <input type="checkbox"/>	Finishing <input type="checkbox"/>

## Wirth Consulting Ratings\* \*On a scale of 0-5, with 5 being the best

Value	3.5
Features	2.5
Image Quality	4.0
Printing	3.0
Copying	
Scanning	



3.0	Installation
2.5	Software
2.5	Build Quality
3.0	Ease of Use
2.5	Maintenance
3.0	Media Handling

## Ratings Scoreboard\* \*Highest possible scores: Overall, 60; Copier, 45; Printer, 50; Scanner, 40; Usability, 25

Overall Score	29.5	Copier Score		Printer Score	29.5	Scanner Score		Usability Score	13.5
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### Consumables Pricing and Yields\* \*All supply yields are based on an original area coverage of 5% per color

Black Ink/Toner Price	\$4.99	Magenta Ink/Toner Yield (pages)	350	Maintenance Kit Price	
Black Ink/Toner Yield	245	Yellow Ink/Toner Price	\$4.99	Maintenance Kit Yield	
Cyan Ink/Toner Price	\$4.99	Yellow Ink/Toner Yield	350	Other Type	
Cyan Ink/Toner Yield	350	Multicolor Ink Price		Other Price	
Magenta Ink/Toner Price	\$4.99	Multicolor Ink Yield		Other Yield	
Black Consumables Cost per Page		\$0.0204	Color Consumables Cost per Page		\$0.0631

### Total Cost Per Page\*

### Total Cost of Ownership\*\*

\*Cost Per Page and \*\*Total Cost of Ownership include the purchase price depreciated over a five-year period. \*\*\*Mixed=Based on print usage of 66% Black and 33% Color

Monthly Volume	Black CPP	Color CPP	Monthly Volume	Black TCO	Color TCO	***Mixed TCO
50 pages	\$0.053	\$0.096	50 pages	\$160.10	\$288.42	\$200.84
100 pages	\$0.037	\$0.080	100 pages	\$221.20	\$477.83	\$303.68
250 pages	\$0.027	\$0.070	250 pages	\$404.51	\$1,046.08	\$612.18
500 pages	\$0.024	\$0.066	500 pages	\$710.02	\$1,046.08	\$813.82
1,000 pages	\$0.022	\$0.065	1,000 pages	\$1,321.04	\$3,887.33	\$2,154.70
2,000 pages	\$0.021	\$0.064	2,000 pages	\$2,543.08	\$7,675.65	\$4,211.40
3,000 pages	\$0.021	\$0.064	3,000 pages	\$3,765.12	\$11,463.98	\$6,268.09
4,000 pages	\$0.021	\$0.064	4,000 pages	\$4,987.16	\$15,252.31	\$8,324.79
5,000 pages	\$0.021	\$0.063	5,000 pages	\$6,209.20	\$19,040.63	\$10,381.48

### Wirth Consulting Commentary

#### Strengths

- Low B/W and color consumables' cost per page of 2.0 and 6.3 cents respectively using high-yield black, cyan, yellow, and magenta ink cartridges at street pricing.
- Individual ink cartridges (users replace only the depleted color).
- Low power consumption (16 watts) when printing.
- Standard WiFi wireless network connectivity and wired Ethernet (10/100) network connectivity.
- Color-correction software includes Auto Photo Correction, Epson Varied Color, Adobe RGB and ICM.
- Print from 3.5" x 5.5" up to 8.5" x 44". Print borderless prints on up to 8.5" x 10" stock.
- Optional Mountain Cow Printing Press software for page layout when printing on stationary; Platinum version enables users to add borders, text, and monograms.

#### Limitations

- No automatic duplexing available as either standard or optional.
- Low-capacity ink cartridges will require more frequent replacement.

#### Notes

Rated print speed is in draft mode.

#### Best Use

For small workgroups and home offices for both B/W and color-printing applications, and for users who do not require duplexing. Low B/W cost per page of 2.0 cents will make it more economical for producing B/W output than some other office-color printers in this segment. The Workforce 40 will be especially attractive to users looking for relatively fast print speeds and inexpensive ink cartridges.