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# **Compiled List of Features of Proposed Printers**

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# Executive Summary

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TCE is in the market for a new high-volume printer/copier. Three models of printers have been selected and researched to determine model specific features. These models are the Canon imagePress C6010, the Ricoh Pro 1357 EX, and the Xerox Color 1000 Press. A complete summary of these features has been included.

At first glance, all three printers seem to be pretty similar. This may be true to some extent, but there are some clear differences. In thinking of the current and future needs of TCE, a recommendation is given by this report to the Xerox Color 1000 Press for its apparent better set of features.

# Compiled List of Features of Proposed Printers

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## Problem Statement

TCE is in need of a new high-volume printer/copier. Three models of printers have been proposed as being possible candidates. These models are the Canon imagePress C6010, the Ricoh Pro 1357 EX, and the Xerox Color 1000 Press.

The features of interest are:

- Versatility in paper type that can be used
- Color and black/white printing
- Highest possible print quality
- Connectivity so that the device can be used as a networked printer, a copier, and a press
- Versatility in finished output, including binding, punching, folding, and stapling
- Highest possible speed of printing
- Highest possible duty cycle
- Local on-site service available (OKC metro area)

## Methods

These specifications were determined by searching the websites for each manufacturer and model. [1][2][3]

Upon contacting the manufacturers, it was determined that the service was outsourced to a local company. More research will need to be conducted to find the best company to meet TCE's needs for service.

## Results

**Table 1: List of Specified Features**

|  | Canon imagePress C6010  | Ricoh Pro 1357 EX  | Xerox Color 1000 Press  |
|--|---|--|---|
| Versatility of Paper   | 7.2" x 7.2" – 13" x 19.2"   | 5.5" x 8.5" to 13" x 19.2  | 7.2" x 7.2" – 13" x 19.2" with optional tray inserter kit that supports 4" x 6"   |
| Color/Gray Scale   | Color and 256 level gray scale  | Black and white only   | Production color printing   |
| Highest Possible Print Quality   | 1200 x 1200 dpi   | 1200 dpi   | 2400 x 2400 dpi   |
| Network Connectivity   | Ethernet (100Base - TX/10Base-T), USB2.0<br>Network Protocols: TCP/IP, IPX/SPX AppleTalk  | Standard: 100Base-TX/10Base-T Ethernet, USB 2.0<br>Optional: IEEE 1284, IEEE 802,11a/b/g Wireless LAN, Bluetooth, 1000Base-T, <i>but only one of these can be installed at one time</i><br>Network protocol: TCP/IP, IPX/SPX, AppleTalk  | Choice of print servers: <ul style="list-style-type: none"> <li>• Xerox FreeFlow™ Print Server</li> <li>• Xerox EX Print Server, Powered by Fiery</li> <li>• Xerox CX Print Server, Power by Creo Print Server Technology</li> </ul>  |
| Versatility in Finished Output, Including Binding, Punching, Folding, and Stapling | <ul style="list-style-type: none"> <li>• Saddle stitch booklet</li> <li>• Staple up to 100 sheets or booklet 25 uncoated sheets 15 coated sheets</li> <li>• V folding up to 5 sheets without stitch</li> <li>• Stacks 1000 sheets on top tray stacker and 5000 sheets on offset tray stacker</li> <li>• Books of 10 – 200 sheets</li> </ul> | <ul style="list-style-type: none"> <li>• 100 sheet stapler</li> <li>• Folds in 6 patterns: Z-Fold, Half-Fold, Letter Fold-in, Letter Fold-out, Double Parallel Fold, and Gate-Fold</li> <li>• Stacks up to 5,250 sheets</li> <li>• Ring Binder</li> <li>• Bound books up to 400 pages</li> </ul> | <ul style="list-style-type: none"> <li>• 3000 sheet stacker</li> <li>• Multi-position single or dual 100 sheet variable length stapling (coated and uncoated)</li> <li>• Booklets up to 25 sheets</li> <li>• Saddle stitch and fold from 2 sheets to 30 sheets producing up to a 120-page</li> <li>• C fold and Z fold</li> <li>• Hole punch</li> <li>• Binder from 5 – 100 sheets</li> </ul> |
| Highest Possible Speed of Printing   | 60 pages per minute   | 135 pages per minute   | 100 pages per minute  |
| Highest Possible Duty Cycle  | 700,000 impressions per month   | 1,000,000 impressions per month  | 1,750,000 pages per month   |
| Local Onsite Service Available   | Outsourced to local company   | Outsourced to local company  | Outsourced to local company   |

## **Recommendation**

All three printers seem to have an impressive list of features and seem to be fairly similar. The Ricoh model looks fairly impressive, but lacks the ability to print in color. With the remaining 2 printers, the printer with the better set of features in every category is the Xerox.

The recommendation of this report is given to the Xerox printer.

## **Conclusion**

The Xerox printer best meets the requirements set forth by TCE's requirements.

Further research needs to be conducted in 2 areas. TCE needs to determine (1) the print server that would best fit the company's connectivity needs and (2) the best company for service and maintenance of the machine.

# Resources

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[1] Canon. [Online]. Canon U.S.A. : Production Printing : imagePRESS C6010. Available: [http://usa.canon.com/cusa/production/products/digital\\_presses/color\\_digital\\_presses/imagepress\\_c6010#Specifications](http://usa.canon.com/cusa/production/products/digital_presses/color_digital_presses/imagepress_c6010#Specifications) October 10, 2011 [date accessed].

[2] Ricoh. [Online]. Ricoh Pro 1357EX copier, printer, scanner, production printer. Available: [http://www.ricoh-usa.com/products/product\\_details.aspx?cid=28&scid=10&pid=1614&ptm=features&tqn=RLA](http://www.ricoh-usa.com/products/product_details.aspx?cid=28&scid=10&pid=1614&ptm=features&tqn=RLA) October 10, 2011 [date accessed].

[1] Xerox. [Online]. Specifications for Color 800/1000 Presses. Available: [www.ieee-http://www.xerox.com/digital-printing/printers/digital-press/xerox-800-1000/spec-enus.html](http://www.ieee-http://www.xerox.com/digital-printing/printers/digital-press/xerox-800-1000/spec-enus.html) October 10, 2011 [date accessed].