Ryobi 3200CCD Offset Press Considerations and Specifications

For offset printing, there are a variety of ink colors to choose between:

- Black
- 357 Green — Forest Green (SUNY Oswego’s Green)
- Pantone Warm Red U
- Pantone 185U — Dutch Fireball
- Pantone 199U — Red Pepper
- Bordeaux Red
- Pantone 260U
- Pantone 274U
- Pantone Reflex Blue U
- Pantone 661U
- Pantone 285U
- Pantone 286U — Delft Blue
- Pantone 294U — Wedgewood Blue
- Pantone 308U
- Pantone 343U
- Amazon Green
- Pantone 354U — Emerald Canary
- Pantone 347U — Ivy Mint
- Vanson Vandyke Brown
- Vanson Buffalo Brown
- Pantone Warm Gray 11 — Slate Gray

- Single-ink printing only.
- No heavy ink coverage.

- Gripper edge must be planned within the maximum printable area. Allow for a \( \frac{3}{8}'' (.375'') \) non-ink area on the gripper edge. There can be no ink on either side of the sheet on the gripper edge.

- Bleeds must be planned within the maximum printable area. Allow an extra \( \frac{1}{4}'' (.25'') \) for each bleed side.

- Less than \( \frac{3}{8}'' (.375'') \) non-ink margin is considered a bleed.

- Set up press-ready artwork in the black ink channel regardless of ink choice.

- Preferred format for press-ready artwork is Press Quality PDF.

- Optimal resolution for clarity in bitmap lineart is 600 pixels per inch (PPI).

- Optimal resolution for clarity in halftone photos is 240 to 300 pixels per inch (PPI).

- Press LPI = 120 lines per inch (LPI).

- Uncoated paper only.

- Pre-cut, in-stock paper: Standard sizes = 8½(8.5) x 11" (Letter), 8½(8.5) x 14" (Legal), 11 x 17" (Tabloid/Ledger). The Office of Publications carries a selection of colors, weights, finishes to meet your needs. All stock is uncoated.

Note 1:
The Ryobi 3200CCD is a duplicator press with a Crestline continuous dampening system. A duplicator press, has no powder unit and as fewer ink rollers than other presses. Therefore, keep the coverage light to avoid offsetting (ink smudging from one sheet to the next) and unevenness in coverage. A large area of solid ink will not print well. Even a large area of halftone screening may accentuate roller marks and uneven coverage.

Note 2:
Gripper edge — This is an area with no printing on either side of the sheet. The press grabs this area to pull the sheet into the press. If your margins are less than \( \frac{3}{8}'' (.375'') \) then the job will not print correctly. This can be fixed in two ways. Adjust the layout to add gripper and bleed trim resulting in a smaller finished piece size, or special order bigger paper which may cost more and require extra time.

<table>
<thead>
<tr>
<th>Press Model</th>
<th>Ryobi 3200CD</th>
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</thead>
<tbody>
<tr>
<td>Number of printing units</td>
<td>1</td>
</tr>
<tr>
<td>Max. Paper size</td>
<td>(W x L) 340 x 450 mm (13.39&quot; x 17.72&quot;)</td>
</tr>
<tr>
<td>Min. Paper size</td>
<td>(W x L) 90 x 130 mm (3.54&quot; x 5.12&quot;)</td>
</tr>
<tr>
<td>Max. Printing Area</td>
<td>(W x L) 330 x 438 mm (13&quot; x 17.24&quot;)</td>
</tr>
<tr>
<td>Paper Thickness</td>
<td>0.04 – 0.3 mm (0.0016&quot; – 0.012&quot;)</td>
</tr>
<tr>
<td>Printing Speed</td>
<td>3,000 – 10,000 Sheets/Hour</td>
</tr>
<tr>
<td>Feeder Pile Capacity</td>
<td>450 mm (17.72&quot;)</td>
</tr>
<tr>
<td>Delivery Pile Capacity</td>
<td>520 mm (20.47&quot;)</td>
</tr>
</tbody>
</table>

Still have questions about designing for our offset press? Call the SUNY Oswego Office of Publications at (315) 312-3130.

For best results, request a printability assessment. Attach a PDF of your layout to print@oswego.edu for review by our prepress staff.

Plan on 1 to 3 business days for printability assessment. You may also enlist the assistance of our design staff for a nominal fee.

www.oswego.edu/publications/print — (rev.12/10)