

## Variables in paper, ink, and the printing press that control the quality of printed output

Paper	Ink	Printing press
<ul style="list-style-type: none"> <li>• Strength – surface, tensile, tear</li> <li>• Moisture content, dimensional stability</li> <li>• Wettability, absorptivity</li> <li>• Formation, smoothness, compressibility</li> <li>• Brightness, opacity, gloss, color, Cleanliness</li> <li>• Abrasivity</li> <li>• pH</li> </ul>	<ul style="list-style-type: none"> <li>• Tack</li> <li>• Drying mechanism</li> <li>• Vehicle</li> <li>• Pigmentation</li> <li>• Rheology</li> <li>• Color</li> </ul>	<ul style="list-style-type: none"> <li>• Type of printing</li> <li>• Speed</li> <li>• Printing pressure</li> <li>• Temperature</li> <li>• Time delay between successive impressions</li> <li>• Type and amount of dampening solution in offset printing.</li> </ul>