Cost-per-Print: *Euro cents* – HP Officejet Pro K550 color inkjet *vs.* Konica-Minolta magicolor 2400W

HP pricing provided by HP (prior to commercial release); Konica-Minolta pricing inc. VAT (Germany), as of July 2005 per Context.

All testing performed using default driver settings.

Cost-per-Print includes Ink/Toner costs only.

**HP 44% lower Cost-per-Print**

**0.111 €**

**0.062 €**

**HP Officejet Pro K550**

**Konica-Minolta magicolor 2400W**
Cost-per-Print: *Euro cents* – *HP Officejet Pro K550 color inkjet* VS. *Konica-Minolta magicolor 2400W*

- **Cost-per-Print includes Ink/Toner and OPC Drum Cartridge costs**
- HP pricing provided by HP (prior to commercial release); Konica-Minolta pricing inc. VAT (Germany), as of July 2005 per Context.
- All testing performed using default driver settings.

![Bar Chart](chart.png)

- **HP**
  - Cyan: 0.062 €
  - Magenta: 0.125 €
- **Konica-Minolta magicolor 2400W**
  - Cyan: 0.14 €
  - Magenta: 0.125 €
  - Yellow: 0.14 €
  - Black: 0.14 €
Cost-per-Print Methodology: **HP Officejet Pro K550 color inkjet vs. Konica-Minolta magicolor 2400W**

- **Determine Ink Cartridge Yields – the average number of prints-per-cartridge for each cartridge**
  - Test file from the *SpencerLab* Digital Color Laboratory Printer Test Suite
    - Mixed Text & Graphics, *Color Newsletter*. Printed semi-continuously, with stops for paper replenishment, overnight, etc.
  - Cartridges judged to be at "end-of-life" when an out of ink signal is displayed on printer control panel/driver
  - Print Modes: default on plain paper
  - Test high-capacity OEM inks/toner, where available
    - HP #88 Large Black, Cyan, Magenta and Yellow ink cartridges
    - Konica-Minolta magicolor 2400W High-Capacity Black and Cyan, Magenta and Yellow toner cartridges
  - Testing is repeated over multiple cartridges to assure consistency

- **Calculate ink component cost-per-print**
  - Divide each cartridge cost by the corresponding cartridge yield (average prints-per-cartridge)

- **Calculate other user-replaceable component pro-rata costs**
  - Konica-Minolta magicolor 2400W contains user-replaceable OPC Drum Cartridge; therefore include drum cost in total Cost-per-Print
  - The HP Officejet Pro K550 printhead is designed for the life of the printer; therefore it is not included in the total Cost-per-Print, though user-replaceable.

- **Ink/Toner and OPC Drum Cartridge Prices**

<table>
<thead>
<tr>
<th>Component Costs</th>
<th>CYAN</th>
<th>MAGENTA</th>
<th>YELLOW</th>
<th>BLACK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Konica-Minolta magicolor 2400W</td>
<td>Ink</td>
<td>€ 145.60</td>
<td>€ 145.60</td>
<td>€ 146.20</td>
</tr>
<tr>
<td></td>
<td>OPC</td>
<td>€ 165.63</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

HP pricing provided by HP (prior to commercial release); Konica-Minolta pricing inc. VAT (Germany), as of July 2005 per Context.

- **Sum these component costs to obtain total Cost-per-Print for the test document**

Independent testing by SpencerLab Digital Color Laboratory was sponsored by Hewlett-Packard Company Aug05