

# 3 HP Technology Advantages

## HP Color LaserJet CM1312 MFP vs Samsung CLX-3175

When you evaluate color multifunction products (MFPs) take a close look at the technologies incorporated in each device. For example, when you compare the HP Color LaserJet CM1312 MFP to the Samsung CLX-3175, there are important differences in imaging systems, engine architectures and fusing technologies. These differences in technologies impact output quality, ease of use, performance, reliability and total cost of ownership. Be sure to do your homework!

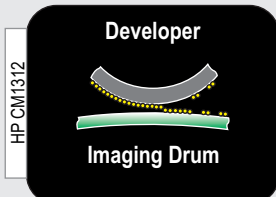
For more information go to: [www.hp.com](http://www.hp.com)

### 1 Imaging

*(HP)*  
**contact development** - precision toner transfer

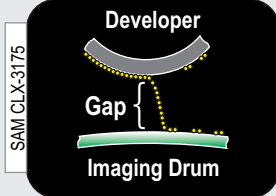
*(Samsung)*  
**jump-gap development** - inaccurate toner placement

HP CM1312

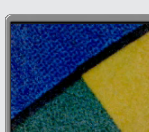


Developer  
Imaging Drum

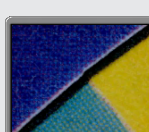
SAM CLX-3175



Developer  
Gap  
Imaging Drum



higher quality output, consistent over time




defects including misregistration, scatter, etc.

### 2 Engine

*(HP)*  
**in-line design** - single pass using 4 drums


*(Samsung)*  
**multi-pass design** - one imaging drum rotates 4 times per color page

HP CM1312



4 imaging drums

SAM CLX-3175



1 imaging drum

8 PPM

improved color performance, less maintenance

4 PPM


slower output, more maintenance

### 3 Fuser


*(HP)*  
**instant-on fuser** - ceramic heating element

*(Samsung)*  
**conventional fuser** - quartz bulb heater

HP CM1312



SAM CLX-3175



	First Page Out (from powersave)	Power Consumed (annually)
HP CM1312	<b>29 sec</b>	<b>68</b> kwh
SAM CLX-3175	<b>48 sec</b>	<b>130</b> kwh