CS 250ci vs. the Competition | Konica Minolta • Ricoh • Sharp

The **Copystar CS 250ci** offers an industry-leading preventive maintenance schedule of an astounding ***300,000 pages*** for both B&W and color, and utilizes Amorphous Silicon (ASi) drums, also rated for ***300,000 pages.***

In the table to the right, a scenario is formulated for a busy office environment that outputs 6,500 pages per month for a total of 234,000 pages over three years. In this case, no preventive maintenance calls would be required, and the customer could plan and depend on maximum uptime with the CS 250ci Color MFP for all of their document imaging requirements.

CS 250ci												25 PPM Black • 25 PPM Color
Year 1	1	2	3	4	5	6	7	8	9	10	11	12
Year 2	13	14	15	16	17	18	19	20	21	22	23	24
Year 3	25	26	27	28	29	30	31	32	33	34	35	36

CS 250ci Maintenance and Consumable Facts:

- PM Schedule: 300,000 Pages (individually rated for color and b&w)
- Drums: Amorphous Silicon (ASi)
- Drum Yield: 300,000 Pages
- Black Toner Yield: 20,000 Pages
- CMY Toner Yield: 12,000 Pages
- Maintenance Kits: 300,000 Pages (K/CMY)

Konica Minolta: The Konica Minolta bizhub C253 Color MFP like all of Konica Minolta bizhub color devices has no set preventive maintenance interval, but required components need replacement more frequently than the CS 250ci. Oddly, the bizhub C253, at 25 PPM has imaging units that last longer than the 30 PPM bizhub C300. The CMY imaging units for the bizhub are rated for 75,000 pages and the black unit for 100,000 pages; in an environment printing/copying 6,500 pages per month, five (5) calls would be required. During the third required call in month 24, the complete transfer assembly (rollers and belt) would need replacement per specification.

Konica Minolta bizhub C253												25 PPM Black • 25 PPM Color
Year 1	1	2	3	4	5	6	7	8	9	10	11	12
Year 2	13	14	15	16	17	18	19	20	21	22	23	24
Year 3	25	26	27	28	29	30	31	32	33	34	35	36

bizhub C253 Maintenance and Consumable Facts:

- PM Schedule: None Set*
- Drums: Imaging Unit (IU)
- Black Imaging Unit Yield: 100,000 Pages
- CMY Imaging Unit Yield: 75,000 Pages
- Black Toner Yield: 24,500 Pages
- CMY Toner Yield: 19,000 Pages
- Fuser Unit Yield: 400,000 Pages
- Transfer Roller/Belt: 150,000/150,000 Pages

Ricoh: The new Aficio MP C2800 from Ricoh uses OPC drums and requires preventive maintenance every 80,000 pages, and a more comprehensive call at 160,000 to replace all major components like the fuser rollers and assembly. At the volume of 6,500 pages per month, the Ricoh Aficio Color MFP would require only two required maintenance calls, quite less than nearly every competitor, but two more than the CS 250ci.

Ricoh Aficio MP C2800												28 PPM Black • 28 PPM Color
Year 1	1	2	3	4	5	6	7	8	9	10	11	12
Year 2	13	14	15	16	17	18	19	20	21	22	23	24
Year 3	25	26	27	28	29	30	31	32	33	34	35	36

Aficio MP C2800 Maintenance and Consumable Facts:

- PM Schedule: 80,000 Pages
- Drums: Organic Photoconductor (OPC)
- Drum Yields: 80,000 Pages
- Black Toner Yield: 20,000 Pages
- CMY Toner Yield: 15,000 Pages
- Fuser Roller Yield: 160,000 Pages

Sharp: The Sharp MX-2600N Color MFP, new for 2008, incorporates OPC drums with rated yields of 100,000 pages for black and 60,000 pages for CMY. A preventive maintenance schedule of 100,000 pages is recommended for optimal performance. A business environment printing/copying 6,500 pages per month, and based on the service components and drums that require service replacement, can expect to have at least five (5) required calls during a three year period. During these calls, due to staggered recommended yields of various components, your service time could vary widely, depending on the number of parts required for replacement.

Sharp MX-2600N												26 PPM Black • 26 PPM Color
Year 1	1	2	3	4	5	6	7	8	9	10	11	12
Year 2	13	14	15	16	17	18	19	20	21	22	23	24
Year 3	25	26	27	28	29	30	31	32	33	34	35	36

Sharp MX-2600N Maintenance and Consumable Facts:

- PM Schedule: 100,000 Pages
- Drums: Organic Photoconductor (OPC)
- Black Drum Yields: 100,000 Pages
- CMY Drum Yields: 60,000 Pages
- Black Toner Yield: 18,000 Pages
- CMY Toner Yield: 15,000 Pages
- Fuser Rollers: 200,000 Pages
- Drum Blades: 100,000/60,000 Pages (K/CMY)

Analysis based on 6,500 pages per month average over 36 months.

* 'None Set' denotes that there is no specific interval specified and that all preventive maintenance components have to be replaced. The yields on all maintenance items vary per device.

CS 250ci vs. the Competition | Canon • Toshiba • Xerox

The **Copystar CS 250ci** offers an industry-leading preventive maintenance schedule of an astounding ***300,000 pages*** for both B&W and color, and utilizes Amorphous Silicon (ASi) drums, also rated for ***300,000 pages.***

In the table to the right, a scenario is formulated for a busy office environment that outputs 6,500 pages per month for a total of 234,000 pages over three years. In this case, no preventive maintenance calls would be required, and the customer could plan and depend on maximum uptime with the CS 250ci Color MFP for all of their document imaging requirements.

CS 250ci												25 PPM Black • 25 PPM Color
Year 1	1	2	3	4	5	6	7	8	9	10	11	12
Year 2	13	14	15	16	17	18	19	20	21	22	23	24
Year 3	25	26	27	28	29	30	31	32	33	34	35	36

CS 250ci Maintenance and Consumable Facts:

- PM Schedule: 300,000 Pages (individually rated for color and b&w)
- Drums: Amorphous Silicon (ASi)
- Drum Yield: 300,000 Pages
- Black Toner Yield: 20,000 Pages
- CMY Toner Yield: 12,000 Pages
- Maintenance Kits: 300,000 Pages (K/CMY)

Canon: The imageRUNNER C3080/C3080i, released in 2008, is one of Canon's new color MFPs, and like most Canon color MFPs does not have a specified preventive maintenance schedule. Utilizing OPC drum units (drum and developer) for imaging, the black drum is rated for 70,000 pages and the CMY drums at 60,000 pages. In analysis, it is noted that this staggered approach to yields actually increases the number of required maintenance calls if the units are replaced when recommended. In a three year period, the Canon imageRUNNER C3080/C3080i would require six (6) preventive calls to replace the drum units when specified. The alternative for the technician is to replace a drum sooner than required, or let the CMY drums stay in the device longer than recommended, which could impact image quality.

Canon imageRUNNER C3080/C3080i												30 PPM Black • 28 PPM Color
Year 1	1	2	3	4	5	6	7	8	9	10	11	12
Year 2	13	14	15	16	17	18	19	20	21	22	23	24
Year 3	25	26	27	28	29	30	31	32	33	34	35	36

imageRUNNER C3080/C3080i Maintenance and Consumable Facts:

- PM Schedule: None Set*
- Drums: Organic Photoconductor (OPC)
- Black Drum Yield: 70,000 Pages
- CMY Drum Yield: 60,000 Pages
- Black Toner Yield: 26,000 Pages
- CMY Toner Yield: 14,000 Pages
- Fuser Unit Yield: Information Not Available

Toshiba: The e-STUDIO2330c, released in May 2008, shares an engine with the 2830c model, but the PM intervals are shorter at 46,000 pages. When looking at a business environment running 6,500 pages per month, the e-Studio2330c would require a total of five (5) required calls. During these calls, the drums and major imaging components would need replacement. As a comparison, the CS 250ci has yields on the ASi drums and PM schedule that is six times greater than this new Toshiba color MFP.

Toshiba e-STUDIO2330c												28 PPM Black • 23 PPM Color
Year 1	1	2	3	4	5	6	7	8	9	10	11	12
Year 2	13	14	15	16	17	18	19	20	21	22	23	24
Year 3	25	26	27	28	29	30	31	32	33	34	35	36

e-STUDIO2330c Maintenance and Consumable Facts:

- PM Schedule: 46,000 Pages
- Drums: Organic Photoconductor (OPC)
- Drum Yield: 46,000 Pages
- Black Toner Yield: 29,000 Pages
- CMY Toner Yield: 24,000 Pages
- Fuser Unit Yield: 92,000 Pages

Xerox: The WorkCentre 7328 utilizes a "cartridge-type" drum, which Xerox positions as "customer-replaceable". These drum units last for 26,000 pages, well below (by at least half) the drum or imaging units of every manufacturer in this analysis. At 26,000 pages, in our scenario of 6,500 pages per month, the Xerox WorkCentre would need nine (9) drum replacements, at four month intervals. These replacements can be done by either a Xerox service technician, or the customer themselves. So an interesting discussion can be posed; if a customer is paying for a maintenance contract, should they be compelled to complete the service action of replacing major components; and does your customer really want to change drum units nine times over 36 months?

Xerox WorkCentre 7328												28 PPM Black • 26 PPM Color
Year 1	1	2	3	4	5	6	7	8	9	10	11	12
Year 2	13	14	15	16	17	18	19	20	21	22	23	24
Year 3	25	26	27	28	29	30	31	32	33	34	35	36

WorkCentre 7328 Maintenance and Consumable Facts:

- PM Schedule: None Set*
- Drums: Cartridge Type
- Drum Yield: 26,000 Pages
- Black Toner Yield: 26,000 Pages
- CMY Toner Yield: 16,000 Pages
- Fuser Unit Yield: 150,000 Pages

Analysis based on 6,500 pages per month average over 36 months.

* 'None Set' denotes that there is no specific interval specified and that all preventive maintenance components have to be replaced. The yields on all maintenance items vary per device.