

MagiCoating for developer rollers and other development parts

Principle of development process in cartridges

Have you ever wanted to understand more deeply how laser cartridge works? Keep on reading. I will try to explain. Most important thing we must explain at beginning is types of development mechanisms. In HP engines we have seen 3 different development mechanisms; first being traditional magnetic roller and polyurethane doctor blade, second being rubber development roller and metal doctor blade for use on non-magnetic toner and third type is aluminum development roller and metal doctor blade. The last one is used in HP 2600 engine and will be used in new engines. Because it's better for speed and accuracy in development process. And also it uses the precharge foam roller more efficiently than rubber counterpart.



Well all 3 have one thing in common—they work on same principle. They all work with triboelectric friction between surface of developer roller and doctor blade. This energy is better expressed if surface of developer roller and db is rough.

But not only with use of chemical but also the coating that covers previous coating which has been scraped off and sanded off during previous cycle. That's why we developed this new coating that will revolutionize the way you think about development rollers. Our coating is for developer roller and doctor

What rollers can be recoated ? What is the price ?

Coating was developed for HP engines. But this does not mean that you can't coat other engines as well.

100g of coating will cost 25 € excluded VAT and you can coat 100-150 mag rollers and doctor blades with it.

Why should You use it ?

Aftermarket is constantly under pressure to deliver good quality, comparable to OEM. Large portion of aftermarket are small remanufacturing companies. They can't invest in R&D. That's why we are doing it for them! We are here to help you—small remanufacturers. But don't understand wrong! Our coating is well recognized by many large remanufacturing companies across the world. We want to inform also small remanufacturers about the potential there is! They play important role in overall acceptance of aftermarket supplies. And if they can produce better products this will be beneficial for whole industry! Not to mention the environmental aspect!

Even we assure you that our coating is superior in quality and will offer **significant increase in density of prints and decrease backgrounding**, you are invited to test it for your self. All people who are willing to cover shipping expenses will receive 10g of free coating. It is sufficient to coat 10-15 mag rollers and doctor blades.

Versatility is important factor! When we were developing coating formulation we wanted it to work on several machine engines. Including color ones! And it does! We tested it on all available HP engines even on new CP1215 and results were amazing.

How to apply it ?

You don't need any fancy expensive equipment. Just your hands and round cotton pads. Our coating will work in 2 steps. Special solvent that will dissolve all the toner residue. It uses all natural solvent. No oil derivate! That's why for first step please use little more force for perfect clean! After drying it's ready to use. You will notice that there remains some white coat on the top of roller surface. This is the stuff that will make your prints darker! **Don't wipe it away !!!** If you wish to achieve even better results you can apply it twice. Only for second application use no force! Cleaning is only necessary for first time. Second layer can be added after first has dried. Only spread the coating across the surface of the roller and that's it. Leave to dry and you are ready to go.



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Results comparison; New LaserJet P1005 model (35A)

Aftermarket toner powder without coating	1
Aftermarket toner powder with MAGIC coating	2
OEM toner powder without coating	3