

Why buy HP printing systems with Blue Angel acc. to DE-UZ 205?



Proof points for purchasing original HP cartridges and printers

Environmental performance is a key factor in HP customers' purchase decision. To meet their high expectations, HP tests its printing systems under intensive operating conditions – including the paper and the original HP ink or HP toner cartridges. We follow strict HP-internal environmental standards and seek compliance with voluntary eco labels. Here, the widely recognised German Blue Angel according to DE-UZ 205 (formerly RAL-UZ 205) takes a leading position. The internationally reputed label offers over one hundred strict criteria which many HP printing systems across our user segments fulfill when operated with original HP printing supplies.



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A variety of HP printing systems are certified with the Blue Angel according to DE-UZ 205 in Germany, including e.g. the HP LaserJet Enterprise M607dn and the HP PageWide Pro 750dw as some of the first models.

Verified Blue Angel performance with original HP printing supplies only

- Certification of HP printing systems according to the award criteria DE-UZ 205 is conducted with original HP printing supplies only. This includes HP toner as well as HP ink cartridges. If HP printing systems are operated with non-HP cartridges, HP cannot confirm achievement of any performance criteria.

Very low energy consumption

- Blue Angel certified HP printing systems have to comply with ambitious requirements for energy consumption. The required values are met without compromising the devices' excellent printing performance and usability due to the use of highly developed and innovative HP firmware.
- While printing, the devices consume low energy amounts and easily meet the extremely strict maximum values of the Blue Angel for the so called typical energy consumption (TEC).
- In print-free times, electric power saving modes are automatically activated. For instance, certified HP devices feature a special sleep mode with power levels less than or equal to 4 watts, devices without Wireless Access Point even 3 watts. Starting 2019, the level will be reduced further by 1 watt each. Most of them also provide users with adjustable energy saving settings which can be selected according to the users' needs.

Strictly reduced substance and particle release

- HP printing systems certified with the Blue Angel are assessed under intensive usage conditions according to ISO/IEC 28360:2015 in dynamic environmental test chambers. To ensure that the whole printing system is included into the measurement procedures HP printers are tested together with original HP printing supplies and HP paper.
- When using original HP printing supplies, Blue Angel certified devices feature a very low release of substances. This includes single volatile substances (VOCs) and this substance group's total (TVOCs).
- The release of fine dust is at very low levels and meets the respective and long-established guide value for laser printing systems of the Blue Angel. This indoor air contribution is also far below applicable occupational limit values. In addition, all certified HP laser printing systems have to meet a preventative guide value for released particle numbers – including ultrafine particle (UFP) sizes. Only floor mounted devices with more than 250 litres volume and high print speed ($S_M \geq 60$ ppm and $S_F \geq 40$ ppm) are currently excluded but will have to comply from 1 January 2019 as well. In fact, detected UFPs lie in the order of magnitude of everyday activities such as cooking or ironing.

Limited noise levels

- Blue Angel certified HP laser and ink printing systems operated with original HP cartridges reduce noise generation in offices. They must meet strict guide values which depend on the devices' operating speed in their mono and colour print modes.

Sustainable product design and use of materials

- HP devices for private end customers awarded with the Blue Angel provide for longevity: users can be sure that spare and exchange parts as well as repair services are available at least five years after the end of production.
- Certified HP printing systems not only feature an option for duplex printing and copying but duplex printing is now also often set as default in the condition supplied to the customer.
- Furthermore, certified HP printing systems feature single cartridges which can be removed separately so that users do not have to replace the whole cartridge bundle if one single colour is empty.
- Certified HP printing systems support the use of 100% recycled paper if the paper is compliant with the requirements of the standard EN 12281.
- Devices are designed to facilitate recycling: for instance, HP applies only a small amount of different materials. And the coatings used are kept to a minimum so that no additional treatment is required for subsequent recycling.
- Original HP ink and toner cartridges can also be returned free of charge via the 'HP Planet Partners Program'. For the devices, HP offers product take-back services that meet the requirements of the German Electrical and Electronic Equipment Act (ElektroG).

Stringent compliance of toner and ink mixtures

- HP toner and ink mixtures for Blue Angel certified HP printing systems fulfill applicable requirements which are based on international standards: for example, they do not contain substances as intentionally added constituents that are classified as carcinogenic, mutagenic to germ cells, toxic to reproduction or require certain labelling according to European regulations including REACH. In addition, it is ensured that the mixtures are kept free of substances which e.g. contain mercury, cadmium, lead or nickel as intentionally added constituents.
- Original HP toner cartridges feature a design concept with both integrated or separate waste toner collection units to make sure that the likelihood of inadvertently coming into contact with toner is reduced to a minimum. The Blue Angel requirements on safe toner handling are met.

Blue Angel certification of Samsung printing systems

For a period of time, HP also markets printing systems carrying the "Samsung" trademark – completing HP's portfolio of products characterised by low energy consumption, moderate noise levels, controlled substances and particles emissions, sustainable use of materials as well as long-life and recyclable design. Accordingly, many Samsung printing systems qualify for the recognised German Blue Angel eco label.

Further information

- Current status which printing systems (including their printing supplies) are awarded the Blue Angel according to DE-UZ 205 in Germany can be viewed [here](#) on the official Blue Angel website.
- More information on the Blue Angel and certified products is available on the [Blue Angel](#) section of the HP website.
- HP provides a Blue Angel User Information document for devices certified with the Blue Angel in Germany. These documents display relevant environmental product features in detail. They can be accessed [here](#) on the HP website.



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In addition to the variety of Blue Angel certified HP printing systems, HP also offers awarded Samsung devices - e.g. the Samsung ProXpress C4010ND.

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