

General statement

We are a manufacturer of cosmetic tubes with headquarters in Biskupice, Czech Republic. We employ 40 people. We produce polyethylene and laminate tubes for cosmetic, pharma and food products. We use UV lamps for curing of inks and varnishes. We use only UV-based products in our production.

Our annual consumption of lamps: 30 – 40 pcs

Our machines: Two printing machines integrated into semi-automatic lines for production and printing plastic tubes and foils:

- 1) Wet offset printing machine, UV printing and UV varnishing of extruded plastic tubes
- 2) Flexographic printing machine, 6 stations UV printing and UV varnishing

Our experience with alternatives to UV lamps: Low specific flow of UV radiation from LED sources, short service life of LED light moduls, long uneconomical exposure times

UV lamps are still needed because of following reasons: High specific flow of UV radiation, short exposure times, secondary product is surface disinfection by light radiation in UVC region, simplicity of power management.

Mercury-containing UV lamps are currently unreplaceable.

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