



The application of fluorescent materials in stamps has a long history. Security stamp-pad inks are still widely used in passports or taxation documents. The carrier is always paper in these applications.

For brand protection, quality control, and authentication purposes there is a need for secure marking of plastics in a fast and cost-efficient way. However, stamping of difficult, non-porous surfaces like Polyurethane or other plastics is surely a great challenge.

Luminochem's team of scientists solved this problem and we have developed a solution to mark these challenging surfaces. Our philosophy is to supply tailor-made solutions so when our partners have different requests, we always provide the best-fit systems available.

Fields of application

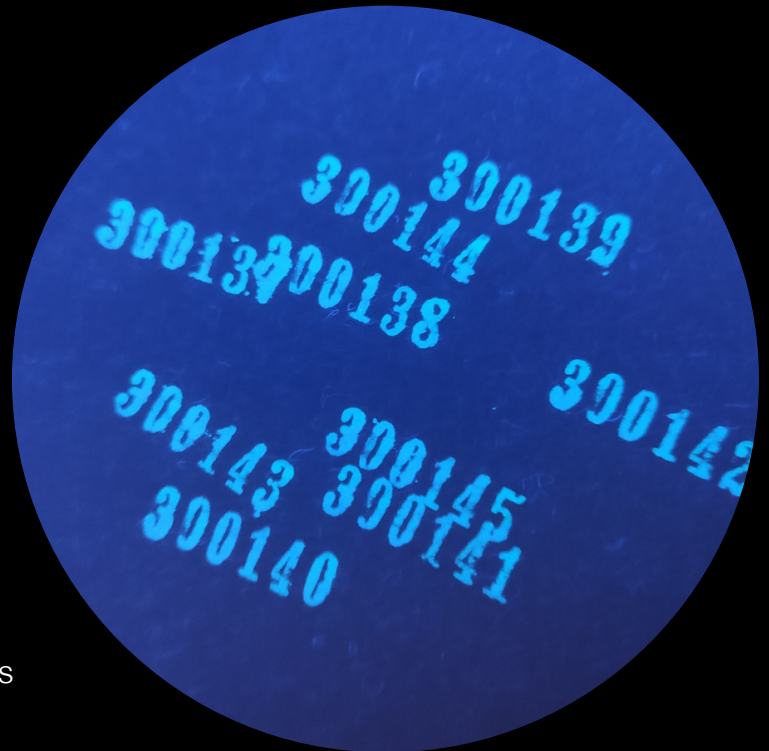
- On almost any surface: paper, plastic (even on Polyurethane!), metal, wood, etc....
- Brand Protection
- Quality control
- Protect your products via direct marking

Security features

- Covert (Invisible)
- Easy detection with UV lamps and/or specific detectors
- A combination of special dyes/pigments/taggants provide higher security
- Forensic

The stamping system

- Semi- automatic, self-inking manual stamp
- Solvent-based ink (UV curing systems are also possible)
- Controlled drying time
- Pigment or solvent-based ink
- Thinner/cleaner solution
- The solutions are unique and customizable to your security needs
- Special composition for moving parts, outdoor applications, or other special requirements
- Custom-made security solutions using special combinations of fluorescent materials and taggants
- We can supply the necessary UV torches and detectors





Application technology

- Manual application, simple stamping process
- Industrial application is also possible
- Difficult-to-print surfaces can be marked (non-porous plastics)
- Invisible or colored UV fluorescent prints
- Check using a UV torch



Additional advantages

- Simple and flexible application
- Simple, but secure detection on field tests
- No expensive equipment needed
- Can be used directly on the production line
- Good chemical fastness
- Good lightfastness



UV serialization on a polyurethane belt