# ATOM
# MULTI

UV LED printer designed for direct printing on cylindrical objects

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# ATOM MULTI

Atom Multi is a UV LED printer designed for direct printing on lighters and small cylindrical objects, ideal for high-volume industrial production

- **Compatibility with various materials :** It allows printing on plastic, metal and other materials commonly used in the production of lighters, cosmetic packaging, etc
- **High productivity :** The conveyor belt system enables continuous processing, reducing downtime and increasing operational efficiency
- **Automated transport system :** The integrated conveyor facilitates the loading and unloading of parts, simplifying the management of mass production
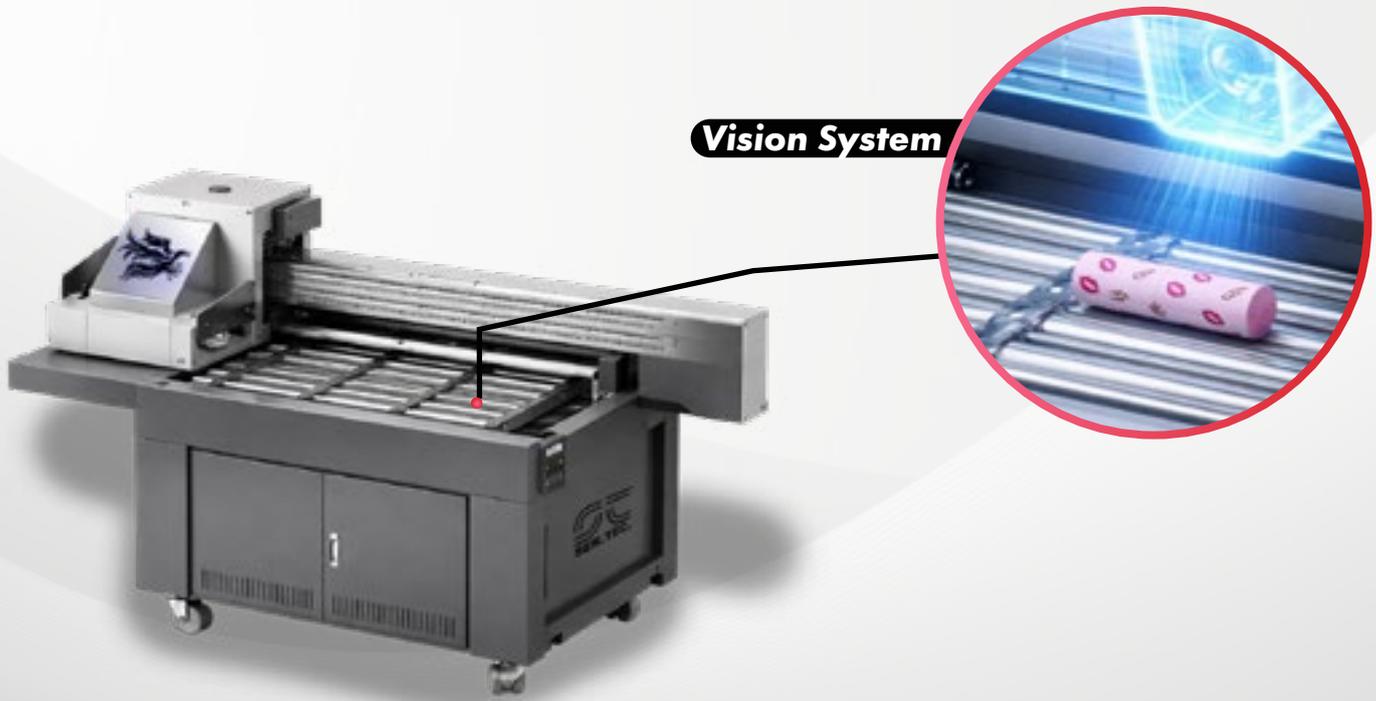
# KEY FEATURES



- **Reduces production steps by eliminating complex processes**

- **Ideal for intensive, multi-shift production**

- **High digital quality with consistent results**

- **High-speed continuous production Can be integrated into any production line**

# INK

**UV LED** inks: Designed to deliver high-quality prints on a wide range of materials, these inks are weather-resistant, feature vibrant colours and offer excellent white coverage for transparent or dark substrates. The semi-flexible inks allow printing on both rigid and flexible surfaces, including plastics and leather. The recirculation system prevents sedimentation and reduces maintenance costs.

Thanks to UV LED technology, which does not require heat to dry the ink, it is also possible to print on heat-sensitive materials:

- **Plastic, ceramics, paper, metals and many other materials**
- **Coloured or transparent materials using white ink**
- **Colour-white-colour for double-sided images on glass or other transparent materials**
- **Cylindrical objects**
- **Subtle 3D effects, Braille or foil**

**Vision System**

# TECHNICAL SPECIFICATIONS

| | |
|---|---|
| Maximum resolution | 2400 dpi |
| Print heads | Epson 3200HD (x4) |
| Print area | 1000 mm |
| Print settings | Simultaneous 4-column printing |
| Available colours | CMYK, White + Glossy (optional) |
| Resolution | 720 x 1200 dpi, 720 x 1800 dpi, 720 x 2400 dpi |
| Speed | 8 pass: 3–4 m²/h \| 6 pass: 5–6 m²/h |
| Production capacity | ~48 lighters / 10 minutes<br><br>~250 lighters / hours |
| Machine dimensions | 2010 × 870 × 1400 mm |
| Operating environment | 20–25°C Relative humidity 15–20% |
| Integrated technologies | • Conveyor belt system<br>• Automatic height adjustment (laser)<br>• Vision system for automatic alignment |

# SOFTWARE

Equipped with **WhiteRIP** software, designed to maximise productivity and precision in industrial printing

- **White underprint optimisation**: Automatic and optimised generation of white underprint for dark or transparent materials.
- **Advanced colour management**: Support for custom colour profiles, spot channels and variable data management.
- **Operational versatility**: Integration with hotfolders, label creation and support for special effects such as Braille and 3D.

Thanks to its intuitive interface and the ability to send jobs directly from the print queue, the software simplifies process management, optimising time and resources.

**DPI**
Resolution
Min 720×1200
Max 720×2400

Minimum diameter of 20 mm

System Ink UV LED

Can be integrated with automated systems

# OUR 360 SERIES

**Mini 360**

**Eagle R360**

**Eagle R360 2P**

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