

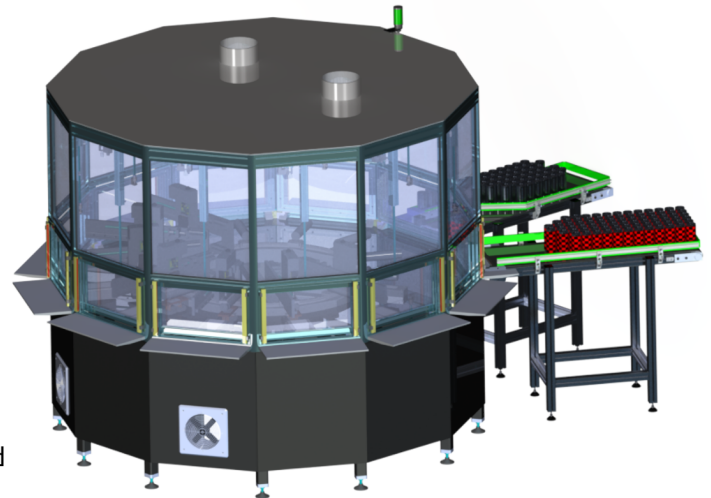
KP high tech digital inkjet UV printers: fully automated high volume printing of cylindrical and conical objects

Description:

- Fully automated, flexible, very fast printing technology
- High level of design flexibility
- Prints on most cylindrical and conical objects
- Quickly change between cylindrical and conical object printing
- Product loading by manipulator requires only 4-8 seconds
- Maximum cavity is two per position
- Printing starts automatically after object placed into loader
- UV or UV LED inks allow immediate use of printed products

Used by:

- **Beverage industry** for very large printing jobs of personalized cans, bottles, cups ...
- **Cosmetics & Medical** industries for high production printing of tubes, bottles, jars ...
- **Massive production** of digital inkjet printing on cylindrical or conical objects



What can we print on?

- Beverage cans
- Tin cans
- Beverage cups
- Plastic bottles
- Plastic tubes
- Jars

Properties:

- Extremely fast variable printing on rotary objects in very high optical resolution
- Adjustable for up to Ø100 mm diameter of the printed object
- Print in the CMYK color configuration extensible by additional color channels: White, Varnish and Spot Color
- Up to 12 working positions for handling, control, advance preparation, printing and drying of printed objects

Service support:

- Provided according to the selected service package
- ONLINE support
- Remote control
- Guarantee by agreement



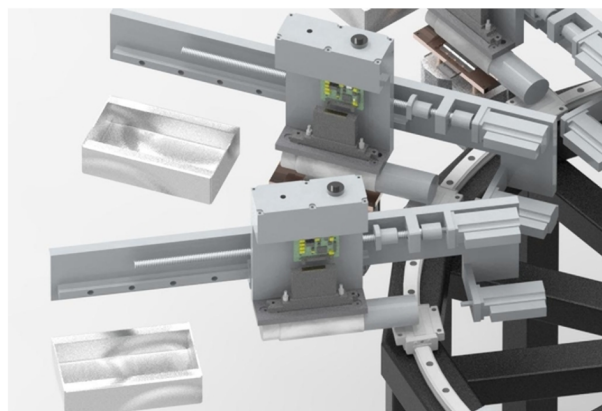
KP high tech digital inkjet UV printers: fully automated high volume printing of cylindrical and conical objects

Technical data:

- Print resolution: 360 x 360 dpi
- Optical resolution: 960 x 960 dpi
- Dimensions of objects from Ø10 to 100 mm x 280 mm (dimensions adjustable according to customer requirements)
- Activation of ink: UV LED lamp / final activation UV lamp
- Check of object placement before printing
- Electric energy consumption: 11.2 kWh
- Operating software axprint

Options:

- Plasma / corona surface stabilization
- Production automation and object handling by robot, manipulator, conveyor ...



Production Rates with one cavity: Printing time for one object					
Examples	Diameter x Height	CMYK	CMYK + White	CMYK + Varnish	CMYK + White + Varnish
Beverage can 250 ml	ø 52 x 128 mm	4 sec	6 sec	6 sec	8 sec
Beverage can 330 ml	ø 65 x 109 mm	4 sec	6 sec	6 sec	8 sec
Beverage can 500 ml	ø 65 x 160 mm	4 sec	6 sec	6 sec	8 sec
Plastic bottle 500 ml	ø 70 x 200 mm	5 sec	7 sec	7 sec	9 sec



KP printers						
Type of Machine	Print height with one pass	Maximum print height	Object diameter	Color channels	UV curing	Object shapes
KP70-12PH-7CLUV	70 mm	280 mm	10 – 100 mm	CMYK, White, Varnish	UV/UV LED	Cylindrical & Conical
KP140-12PH-7CLUV	140 mm	280 mm	10 – 100 mm	CMYK, White, Varnish	UV/UV LED	Cylindrical & Conical
KP210-12PH-7CLUV	210 mm	280 mm	10 – 100 mm	CMYK, White, Varnish	UV/UV LED	Cylindrical & Conical

