

High flexible digital inkjet UV printing machine RP series for printing on cylindrical and conical objects

Description:

Digital inkjet printing machine RP series offers huge flexibility to print on most types of the rotate and conical items with different dimensions. This technology is using UV or UV LED ink.

Used in following branches:

- **Desing** and **Graphic** studios for its superb flexibility and easy use
- **Advertising offices**
- **Beverage industry** for personification in smaller lots

What can we print on?

- Drink cans
- Tin cans
- Beverage cups
- Bottles
- Plastic tubes
- Cosmetic ambalage
- Candles
- KEG barrels ...

Properties:

- Variable printing on rotary objects in very high optical resolution
- The machine is adjustable for up to Ø300 mm of the printed object
- Print in the CMYK color configuration extensible to additional color channels up to 8
- Standard version in CMYK, White, Varnish



Service support:

- Provided according to the service package that the customer selects
- ONLINE support
- Remote control
- Guarantee by agreement



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Technical data:

- Print resolution: 360 x 360 dpi
- Optical resolution: 960 x 960 dpi
- Dimensions of objects: up to Ø 300 x 210 mm (dimensions are adjustable according to customer's requirements)
- Electric energy consumption: 3.0 kWh
- Activation of ink: UV lamp / UV LED lamp
- Check of object placement before printing
- Operating software AXprint

Options:

- Plasma / flambing surface pretreatment – used for plastic objects
- Automation – handling of objects by robot or manipulator, conveyor etc.
- Conical & Cylindrical automatic holding unit for RP & 2RP machines
 - Fully automatised position of conical & cylindrical objects
 - No need of manual adjustment
 - Time needed for change is 10 sec.
 - High efficient for small and flexible companies
 - Maximum diameter of conical object Ø140 mm
 - Maximum print height 210 mm

Productivity:

Time needed for one print (sec.)					
Print examples		CMYK	CMYK White	CMYK Varnish	CMYK White Varnish
drink can 250 ml	Ø 52 x 128 mm	25 sec	43 sec	43 sec	56 sec
drink can 330 ml	Ø 65 x 109 mm	35 sec	51 sec	51 sec	62 sec
drink can 500 ml	Ø 65 x 160 mm	35 sec	51 sec	51 sec	62 sec
KEG Barrel 20 liter	Ø 210 x 200 mm	60 sec	79 sec	79 sec	143 sec
Flower pot Ø 140 mm	Ø 140 x 70 mm	55 sec	63 sec	63 sec	121 sec

KEG Barrel 20 l



Type of RP Machines:

Digital inkjet printer RP Type						
Type of Machine	Print of width (mm)	Maximum height print (mm)	Min. / Max. diameter of printed object (mm)	Color chanel	Type of UV curing	Suitable for
RP70-4CLUV	70	210	10 - 300	CMYK	UV/UV LED	Conical & cylindrical
RP70-6CLUV	70	210	10 - 300	CMYK, White, Varnish	UV LED	Conical & cylindrical
RP140-4CLUV	140	210	10 - 300	CMYK	UV LED	Conical & cylindrical
RP140-6CLUV	140	210	10 - 300	CMYK, White, Varnish	UV LED	Conical & cylindrical
RP210-4CLUV	210	210	10 - 300	CMYK	UV LED	Conical & cylindrical
RP210-6CLUV	210	210	10 - 300	CMYK, White, Varnish	UV LED	Conical & cylindrical

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