

# HELIX

## HIGH THROW

The Helix High Throw is an advanced inkjet printer developed by Inkcups, specifically designed for printing on straight and irregular shaped cylindrical and conical objects. It provides a versatile solution for producing multicolor, high-resolution images on items such as bottles, tumblers, cups, and tubes- all from a single workstation. The Helix High Throw is compatible with a wide range of materials including plastic, metal, ceramic, and glass, making it an excellent addition to any production environment.

A standout feature of the Helix High Throw is its fully servo-driven system, which ensures precise and consistent printing on every item. It supports 360-degree seamless printing and can accommodate products with height variations of up to 15 mm- perfect for achieving full-wrap designs that draw attention. For operations requiring conical printing, the Helix High Throw offers an optional automatic programmable tilt and height adjustment system, delivering accurate and dependable results on every cup.



### SYSTEM SPECIFICATIONS\*

PRODUCT TYPE	Cylinder or Taper (360-degree print)
PART DIAMETER	2.6" - 6.75" (66 mm - 172 mm)
PART LENGTH	1.97" - 12.2" (50 mm - 310 mm)
MAXIMUM TAPER ANGLE**	12.5°
MAXIMUM PRINTABLE CONTOUR VARIATION	0.59" (15 mm)
MAXIMUM PRINT LENGTH	9.45" (240 mm)
MAXIMUM RESOLUTION	1200 x 600
MAXIMUM PART WEIGHT	4.0 lbs. (1.8 kg)
PRINT HEAD CONFIGURATIONS	WW+CK+MY+LcLm+VV
INK TYPE	UV Curing ink- HI-R Series
CURING SYSTEM	UV-LED, Segmented, water cooled
COLOR STANDARD	W, C, M, Y, K, Lc, Lm
FILE FORMAT	Adobe Postscript Level 3, PDF, JPEG, TIFF, EPS, AI
MACHINE WEIGHT	1984 lbs. (900 kg)
MACHINE DIMENSIONS	100.4" x 47.25" x 72.5" (255 cm x 120 cm x 184 cm)

\*Information is subject to change  
\*\*Maximum taper angle is part length dependent