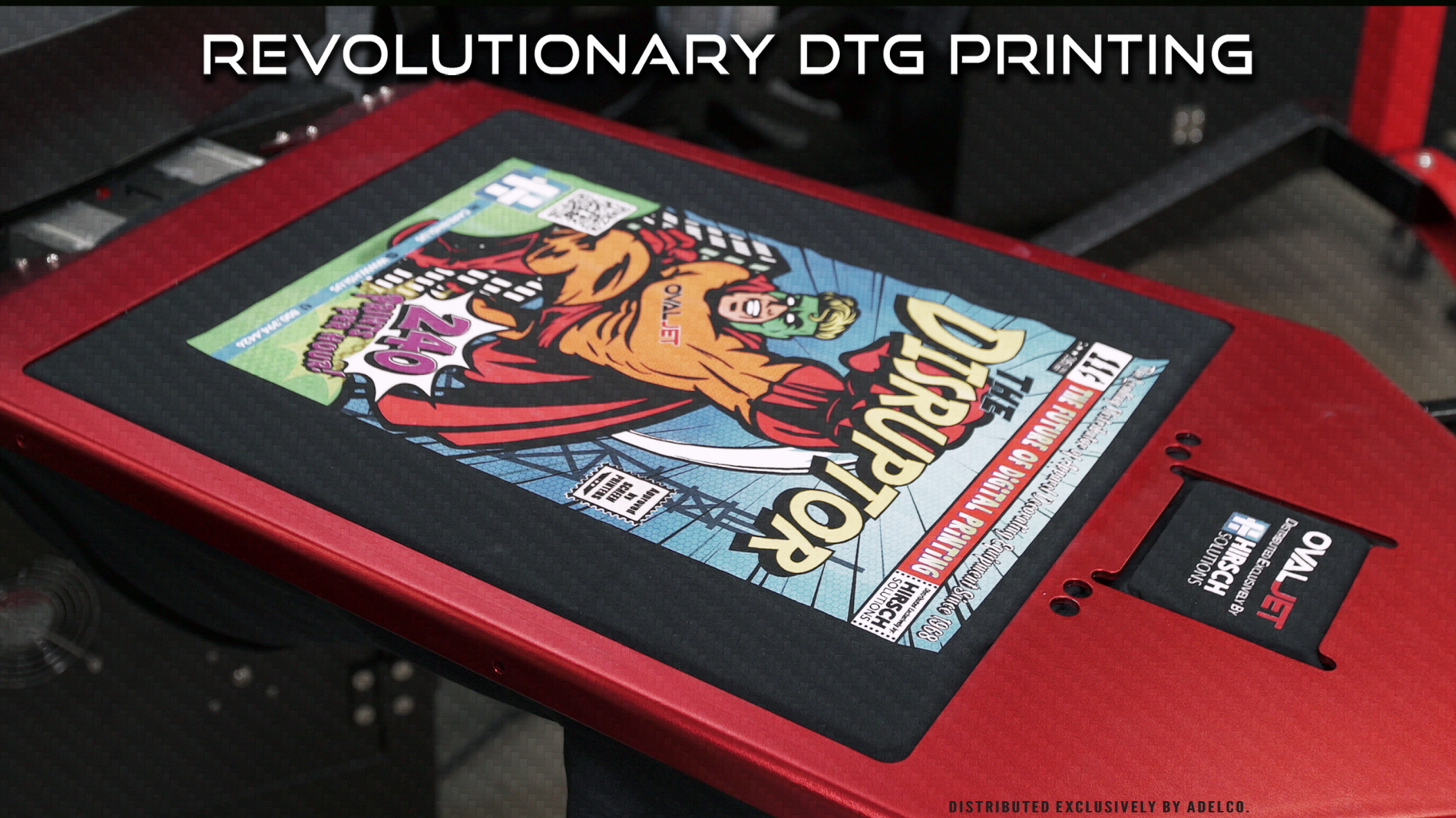


# OVALJET™

REVOLUTIONARY DTG PRINTING



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# OVALJET



## IN-LINE NECK LABEL PRINTING

To accommodate the increased industry demands for branding, licensing and personalization; OvalJet can print neck labels with no additional handling or decrease in print speeds. This innovative solution enables mass customization, with 100% variable print, to be achievable by any brand or designer.

[www.ovaljet.com](http://www.ovaljet.com)



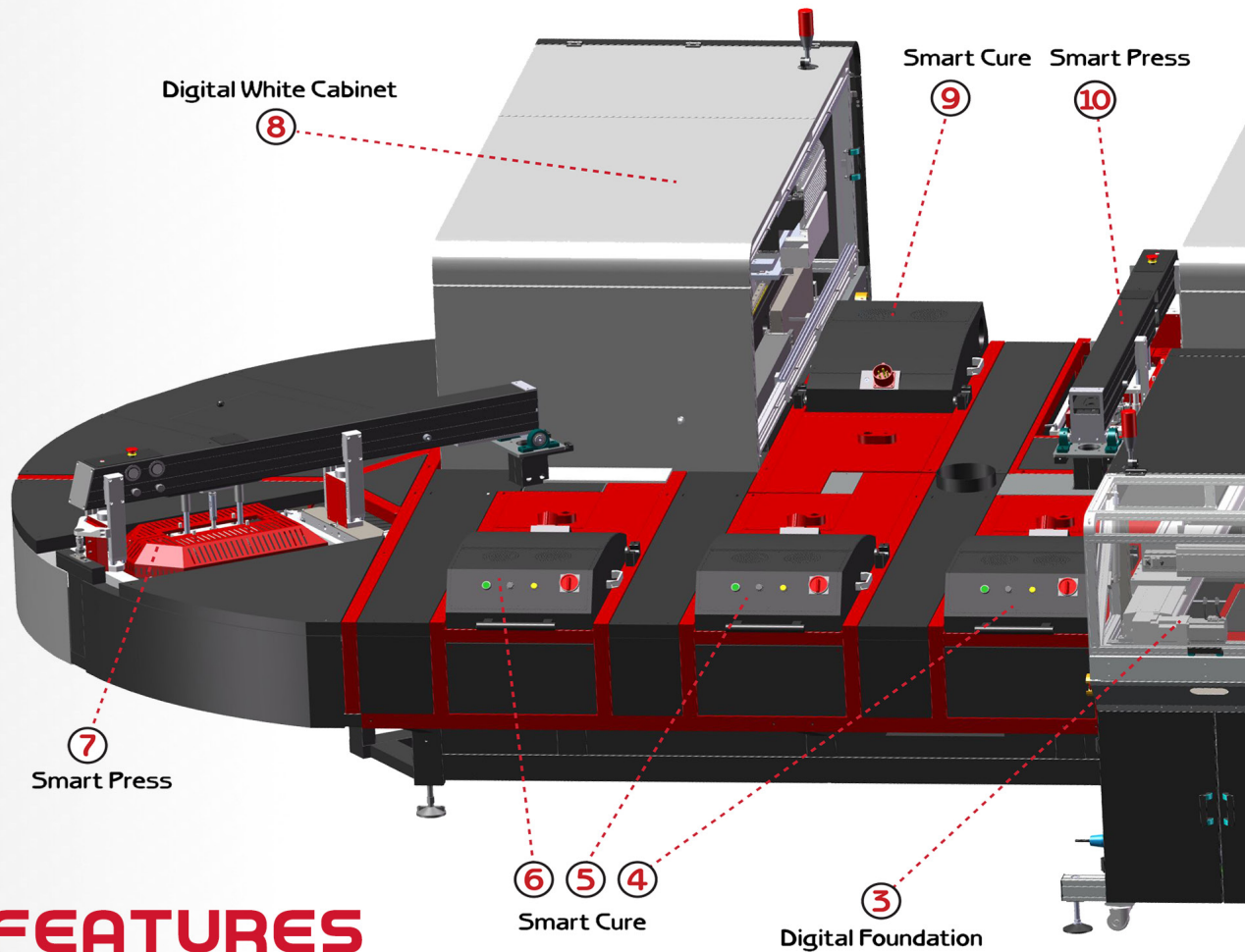
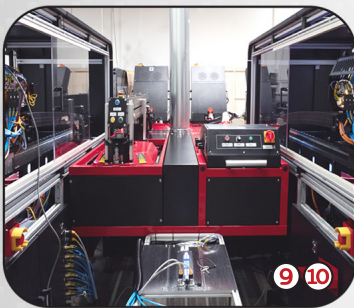
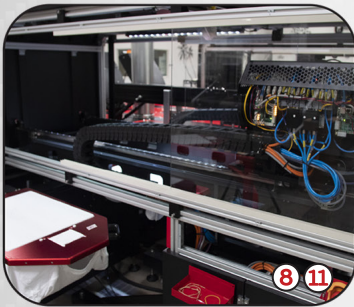
**The OvalJet is the embodiment of the best practices derived from retail quality screen-printing and high end direct-to-garment print providers.** The team at OvalJet is comprised of many product and engineering professionals from screen print, direct to garment and on-demand printing industries. The OvalJet technology was designed as the ultimate solution for high volume 100% digital printing. Our development was completed in a DTG working environment, producing nearly 4 million prints since 2018.



**UP TO 240 PRINTS PER HOUR**

**OvalJet is a revolutionary closed-loop high volume DTG printer designed on the production floor, that delivers unmatched color vibrancy, superior wash durability and the fastest print speeds in the industry.**





## FEATURES

### SINGLE OR DUAL OPERATOR

All onboard systems are controlled & monitored at the operator's console. OvalJet's software is optimized for a single or dual operators moving at a fast & steady pace. Loading and unloading is done from the same position. Shirts can be loaded right from the pickers' cart and sent on their way with no additional prep needed.

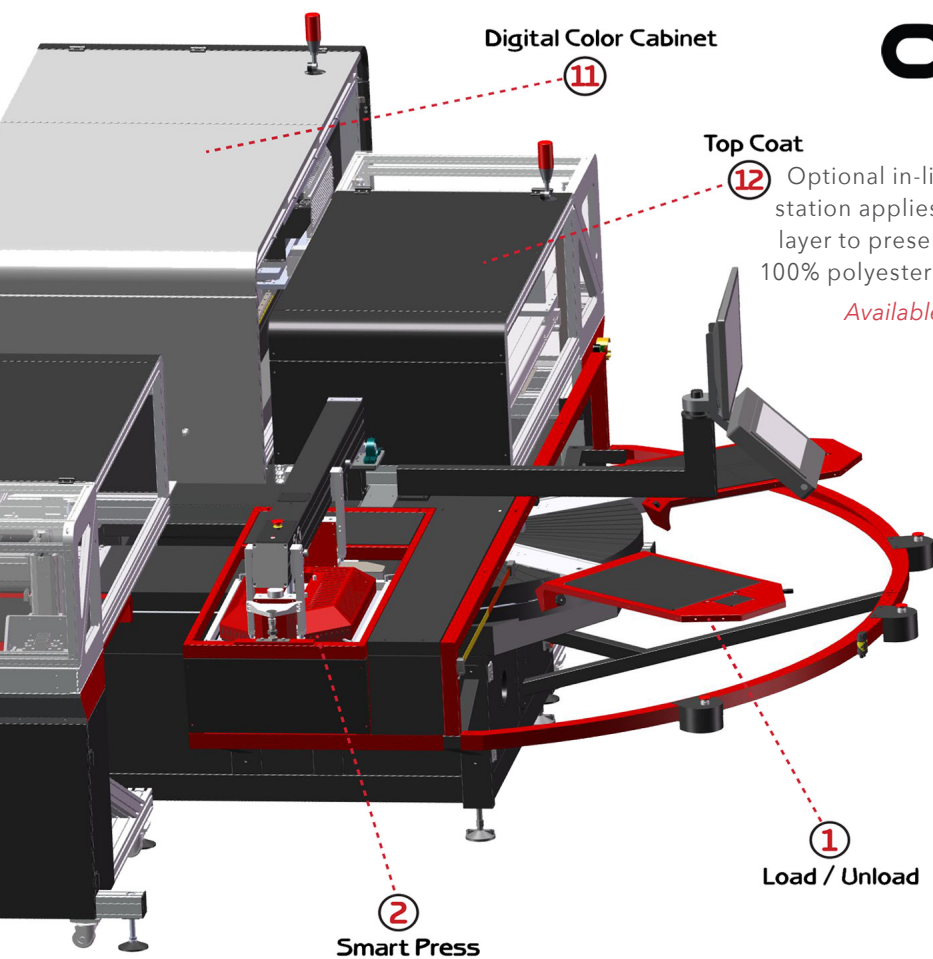
### SMART PRESS

OvalJet's multiple Smart Presses remove moisture from the garment as well as press it to create a flat, warm, wrinkle-free surface. This will ensure an even application of foundation and ink, plus reduce fibrillation. Strategic placement of the presses between stations provide top quality prints.

### DIGITAL FOUNDATION

OvalJet's automated digital foundation is applied directly to the design area with a perfect layer of the proprietary foundation solution creating an ink-receptive layer for cottons, polyesters, and blends. This patented "dot-for-dot" application method digitally "jets" the foundation in the exact size and shape of the design area, eliminating corrosion, over-spray, pre-treat box and staining.





Digital Color Cabinet

11

Top Coat

12

Optional in-line top coat station applies a finishing layer to preserve print on 100% polyester substrates.

*Available early 2020*

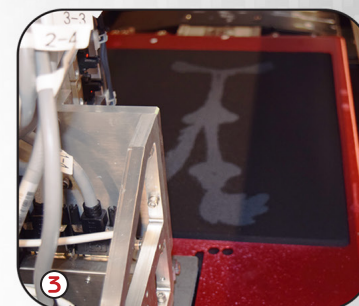
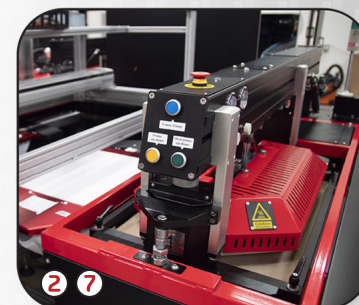
2

Smart Press

1

Load / Unload

# OVALJET



## SMART CURE

A total of 4 Smart Cure stations act like flash units on a screen print press. This in-line process dries the foundation before moving on to printing. After the white ink is applied shirts are flashed once again for optimal underbase readiness to receive color ink. Each station is programmed to the exact specifications of the garment on the pallet.

## DIGITAL 6 COLOR+WHITE

Separate digital print cabinets for the white, and CMYKRG deliver millions of droplets of ink at unmatched speeds through top quality Ricoh Gen 5 printheads. Extensive research allows OvalJet to provide a maximized color gamut, unmatched in the industry. Every shirt on one of the OvalJet's fourteen pallets can have a different design without any index delay.

## PATENTED TECHNOLOGY

OvalJet's technology and hardware systems are the result of many years of research and development tested in live production. Many of the exclusive features have been patented and can only be found on this revolutionary piece of equipment. Hirsch Solutions is proud to be the exclusive distributor of OvalJet, and also to handle all service and support.



# MACHINE COMPARISON

**OVALJET**  
Ink Cost Per Liter \$90.00 - \$110.00

OTHER INDUSTRIAL  
DTG SYSTEMS

TRADITIONAL  
SCREENPRINT

VARIABLE PRODUCTIONS - HOODIES, TEES, TANKS ON THE SAME LINE			
INTEGRATED MACHINE SOFTWARE AND WORKFLOW MANAGEMENT SOFTWARE			
INTEGRATED NACK LABEL PRINTING			
AUTOMATIC BARCODE SCANNING			
SETTINGS AUTOMATICALLY ADJUSTED WITH EACH SCAN			
ONE INKSET FOR ALL MATERIALS			
FULL RECYCLING SYSTEM FOR WHITE INK			
DIGITAL "DOT-FOR-DOT" PRETREATMENT SYSTEM			
HEAD STRIKE DETECTION			
INTEGRATED HEAT PRESS & CURE			
6 COLOR CONFIGURATION			
MODULAR DESIGN [EASY REPAIRS]			
WET TO DRY TECHNOLOGY			
OVALJET FULFILLMENT NETWORK [ DISTRIBUTED NETWORK]			
CONSISTENT SPEED ACROSS ALL MATERIALS			
NO SCREEN OR SETUP REQUIRED			
1 YEAR WARRANTY INCLUDED			
EMBEDDED HUMIDITY SYSTEM			
CENTRALIZED FUME EXTRACTION			
DEVELOPED IN LIVE PRODUCTION ENVIRONMENT			

Existing DTG technologies on the market did not satisfy the print speeds and quality demanded by customers. The Ovaljet team of industry experts designed and engineered a revolutionary high volume DTG printer incorporating wet-to-dry printing, and kept ink cost at under \$1.00 per print.



# HIGH SPEED DIRECT-TO-GARMENT PRINTING WITH DISRUPTIVE TECHNOLOGY AND INDUSTRY LEADING PRODUCTIVITY

## MACHINE PERFORMANCE

<b>Print Rate:</b>	Up to 240+ Per Hour	<b>Main Print Area:</b>	40 x 48 cm (16 x 19 in)
<b>Print Head:</b>	Ricoh Gen 5 [CMYKRG + W]	<b>Neck Print (Inline):</b>	10 x 7 cm (4 x 3 in)
<b>Max Res:</b>	600 x 2400 DPI :: 800 x 1800 DPI	<b>Software:</b>	OvalJetOS + Caldera RIP

## DIMENSIONS

<b>Machine Length:</b>	7.3 Meters (288 in)	<b>Machine Width:</b>	4.8 Meters (189 in)
<b>Machine Height:</b>	2.1 Meters (83 in)	<b>Max Width*:</b>	6.0 Meters (237 in)

*Max Width Includes Open Maintenance Cabinets, We Recommend Extra Working Space\**

## ENVIRONMENT SPECIFICATIONS

<b>Compressed Air:</b>	100 PSI :: 7 bar	<b>Temperature:</b>	68°F - 82°F
<b>Total Power:</b>	63 kW	<b>Incoming Power:</b>	Three Phase 208v AC
<b>Operating Humidity:</b>		50 - 80% Relative	



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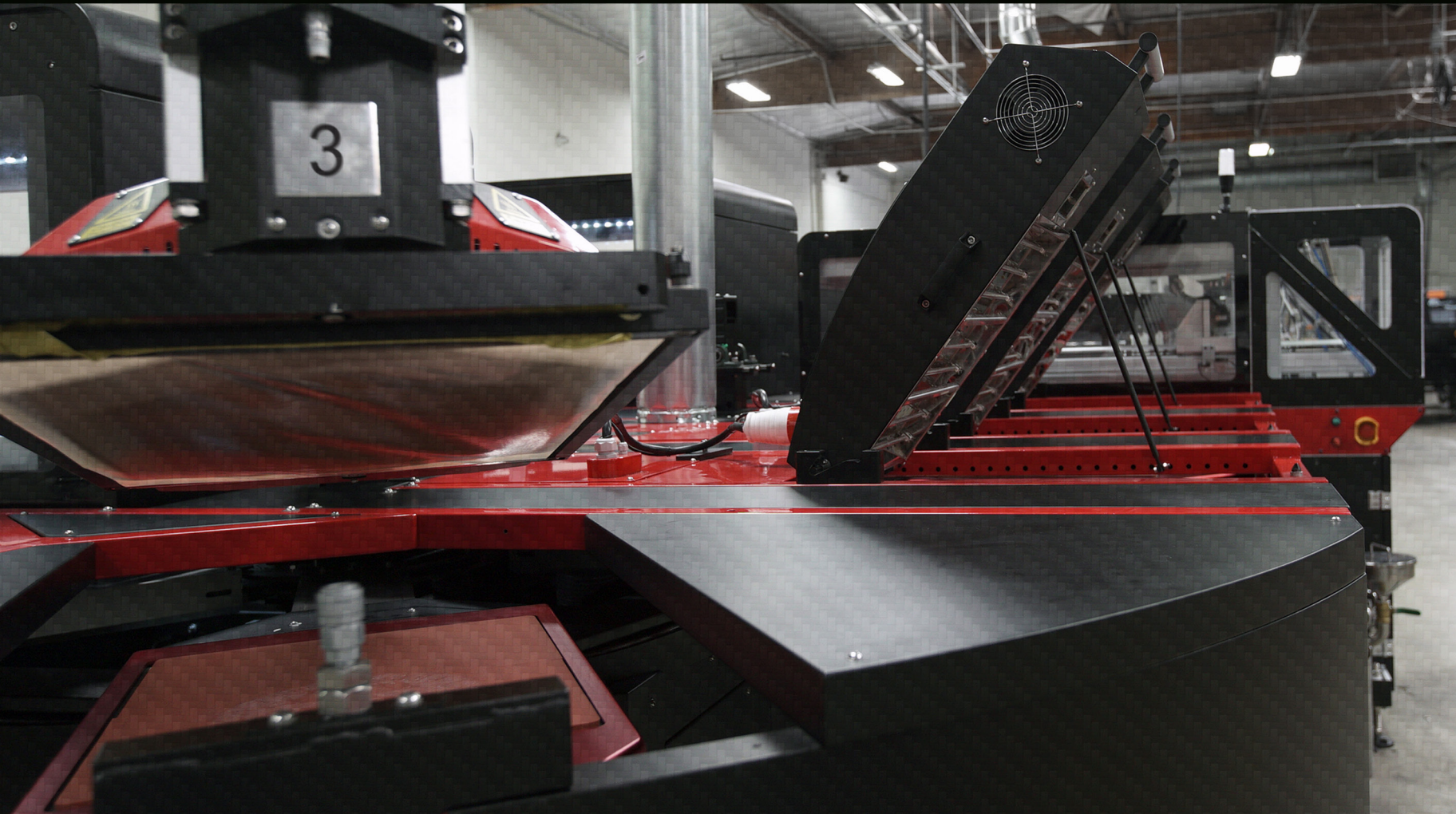
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