



# THE REAL RECIRCULATION PRINTHEAD RC1536 SERIES

With its **UNMATCHED ROBUSTNESS** and **HIGHEST PRODUCTIVITY OF 2477  $\mu\text{L}/\text{SEC}$**  applicable for a wide range of materials such as **CERAMICS, WOOD, GLASS, CORRUGATED CARDBOARD, APPARELS & HOME TEXTILES, COATING & VARNISH, CODING & MARKING;** and **ADDITIVE MANUFACTURING.**

#### High productivity

- Maximum 2477  $\mu\text{L}/\text{sec}$  per head at 10 drops

#### Wide variation of drop size with greyscale mode

- Minimum 13 pL at 1 drop
- Maximum 225 pL at 10 drops

#### Isolated channel technology

- Enables high jetting frequency

#### Ink recirculation

- Recirculation directly behind the nozzles
- Long-term sustainability: drop-out nozzles caused by air bubbles or impurities recover automatically
- Ink recirculation flow prevents sedimentation
- Minimal ink waste due to recirculation priming
- Low and easy maintenance

Active nozzles	1536		RC1536	RC1536-L
Number of rows	4	Drop volume* <sup>3</sup>	13 to 150 $\mu$ L	25 to 225 $\mu$ L
Number of grey levels	8	Jetting frequency* <sup>1</sup>	Up to 37 kHz	
Ink inlets/Ink outlets	1/1	Jetting velocity* <sup>1,2</sup>	7 m/sec @ 3 mm	
Native nozzle resolution	360 npi	Maximum productivity* <sup>1</sup> (Jetting frequency x Drop volume)	2200 ( $\mu$ L/sec)/head 1440 (nL/sec)/nozzle	2477 ( $\mu$ L/sec)/head 1613 (nL/sec)/nozzle
Print width	108.3 mm	Ink type	Oil, UV, (Solvent, Aqueous* <sup>4</sup> )	
Printhead weight	Less than 700 g	Driving interface	Parallel interface	
Dimensions	180.0 x 47.6 x 123.3 mm			

\*1 Depends on ink and ink supply system  
\*2 Measured at the point of 3 mm from the nozzle

\*3 Depends on ink and printhead driving conditions  
\*4 Under development

Line speed vs. maximum discharge RC1536 / RC1536-L

