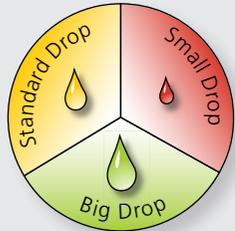


Inca TierDrop enables customers to choose the size of the ink drop at the RIP so jobs can be printed either faster¹ with a larger drop size and a small reduction in print quality, or with a smaller drop size, improved print quality and at a slightly lower speed.



Standard Drop

Recommended when an optimal mix of detail and throughput is required.

Big Drop

Recommended when a large number of big bold prints are required containing less detail. The lower resolution and larger drop size is less noticeable at longer viewing distances with the benefit of increased throughput.

Small Drop

Recommended for images featuring fine detail or text to be observed at a shorter viewing distance e.g. cosmetics or brochure imagery.

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Overview

Inca TierDrop permits multiple print profiles² to be created, managed, and then selected on a per-job basis. The purpose of this is to allow a "Continuum of Quality" by using a range of drop sizes to change the resolution and therefore the productivity and print quality of the machine. Inca TierDrop extends the capabilities of Onset printers by offering options to appropriately meet the printing requirements of customers.

Benefits

- Offers the potential to exceed the specified productivity output or sustain throughput whilst using an increased RID (Relative Ink Density).
- Can improve print quality through the selection of a smaller ink drop and higher resolution, making it ideal for jobs that demand improved image smoothness and edge definition on text and graphics.
- Requires no operator configuration at the machine; the desired drop size, pass mode and relative ink density are selected at the RIP. This removes the potential for operator error and ensures all jobs are printed using the correct combination of resolution and drop size.

Compatibility

Inca TierDrop is available for the following printers and inks:

Printer Series	Compatible Fujifilm Inks
Onset X/54000	OW, OZ, OB, OL
Onset 50000	OW, OZ

Ordering Information

Please contact the Applications team to discuss Inca TierDrop further. Can be specified at time of machine order or later as an on-site conversion.

Description	Part Number
Onset 54000 TierDrop (for X1 and X2 machines)	CONVERSION_KIT299
Onset 54000 TierDrop (for X3 machines)	CONVERSION_KIT405

Please contact Inca for availability on Onset 50000 Series machines.

Productivity

Inca TierDrop affects productivity depending on the drop size selected:

Printer	Pass Modes	Productivity for QS14 - Beds/hr (m ² /hr)		
		Small Drop (11 pL)	Standard Drop (14 pL)	Big Drop (17 pL)
Onset X1	12	75 (375)	82 (420)	90 (450)
Onset X2	6	112.5 (562.5)	138 (707)	144 (720)
Onset X3	4, 6, 8	157 (783) ³	180 (922)	Not available

¹ Onset X1 and X2 only.

² A print profile is a set of data detailing how to set the machine and is selected at the RIP.

³ For Onset X3, use of a small drop size in place of light colours can potentially improve print quality.

