

FLH-Z thermal plate processors

**State-of-the-art plate processors with
FUJIFILM's intelligent 'ZAC' technology for
maximum quality and economy**



- ▶ Delivers major savings in chemistry usage
- ▶ Maintains optimal processing conditions
- ▶ Robust chain-drive mechanism for long-term reliability
- ▶ Easy to use, service and maintain
- ▶ Supports online or offline use
- ▶ Supports all commercial plate sizes

► Quality, productivity and reliability

An efficient and consistent supply of press-ready plates is essential for smooth pressroom operations. If processless CTP production doesn't suit your situation, you can still minimise costs and reduce your environmental impact while maximising quality with the right choice of processor. The FUJIFILM FLH-Z series of intelligent plate processors provides a robust, high quality solution for users of FUJIFILM Brillia HD LH-PJE and LH-PCE thermal plates.

Save chemistry

The FLH-Z range significantly reduces chemistry consumption through intelligent monitoring and replenishment. Unlike conventional plate processors, which just attempt to keep developer solution conductivity at a constant level (see diagram opposite), FLH-Z processors incorporate unique 'ZAC' technology that precisely controls the replenishment rate according to usage and oxidation levels, drawing upon software algorithms compiled from exhaustive FUJIFILM lab testing. This avoids wasteful over-replenishment while providing consistent processing of each plate for optimum quality and on-press performance.

Save money

Reducing your chemistry usage brings multiple savings. It's not just the immediate purchase cost that's reduced – you won't need to store so much to ensure continued production through peak periods either. And using less means less disposal of both spent chemistry and empty packaging, increasingly important as hazardous waste legislation tightens and disposal costs continue to rise. With typical annual spend on plate processing chemistry running into thousands of pounds, the chance to make considerable savings is too significant to ignore.

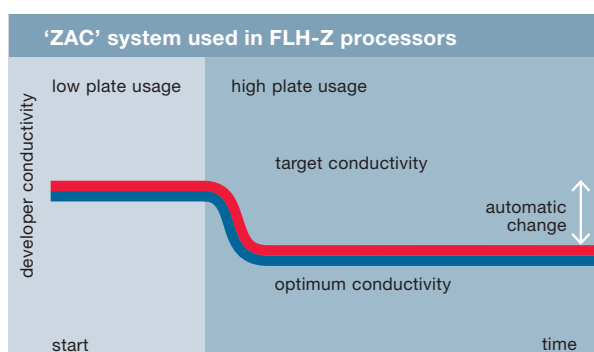
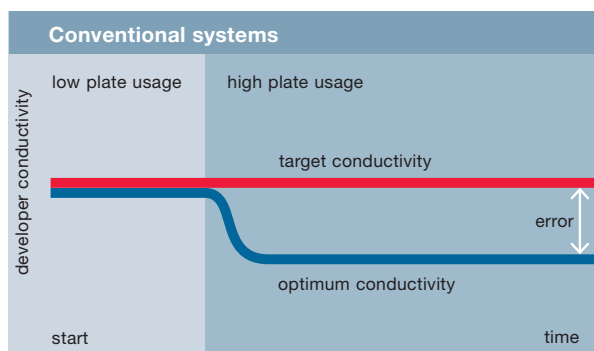


CHECK YOUR PREPRESS FOOTPRINT

You can estimate the environmental impact of your platemaking operation using FUJIFILM's online plate processing calculator at www.howgreenareyourplates.com.

You only need enter the quantity and size of plates you use, the volumes of developer and replenisher consumed, the size of your processor and how many hours a day it's run. The calculator immediately gives figures for water, chemistry and energy consumption plus waste produced for a number of platemaking options – standard processing, reduced chemistry and processless – together with advice about the pros and cons of each approach.





The FLH-Z processor's intelligent replenishment system tracks the optimum bath conductivity as usage varies and delivers the correct amount of replenisher for extended, consistent, repeatable processing.

Save the environment

Using less chemistry has wide-ranging environmental benefits too, not just at your plant. It means the chemistry itself and associated packaging don't need to be manufactured, with consequent reductions in raw material extraction, processing, production of waste by-products and energy consumption. There is less to transport from factory to warehouse to print shop, and less to dispose of after use, again saving energy and reducing the release of hazardous materials into the environment. The FUJIFILM FLH-Z plate processors allow you to achieve all this whilst also improving the quality and consistency of your plate production and subsequent prepress efficiency.

Specifications

	FLH-Z II 85	FLH-Z II 125	FLH-Z II 150	FLH-Z II 165
Plate type	FUJIFILM Brilia HD LH-PJE and LH-PCE thermal plates*			
Plate size	up to 850 mm wide, min. length 285 mm	up to 1250 mm wide, min. length 350mm	up to 1500 mm wide, min. length 350 mm	up to 1650 mm wide, min. length 350 mm
Plate gauge	0.15 – 0.4 mm			
Processing time	LH-PJE: 15 seconds, dip to nip; LH-PCE: 20 – 30 seconds, dip to nip			
Developer tank capacity	30 litres	80 litres	96 litres	104 litres
Operating environment	same as platesetter			
Power requirements	choice of single phase and three phase options			
Power consumption	up to 3.4 kW (processing), 0.5 kW standby	up to 6.0 kW (processing), 0.5 kW standby		
Heat output (processing)	11,600 BTU/hour	20,500 BTU/hour		
Water consumption (processing)	approx. 8 litres/min	approx. 12 litres/min	approx. 15 litres/min	approx. 21.5 litres/min
User interface	control panel on right (as seen from plate entry)**			
Chemistry access	tank drain valves and containers access from right			
Weight (nett, without liquids)	324 kg	610 kg	650 kg	670 kg
Options	input table, delivery table, electrical interface, drip tray, left-hand control panel			
Maximum dimensions (W x D x H)***	1525 x 1070 x 1085 mm	1950 x 1410 x 1148 mm	2250 x 1410 x 1148 mm	2400 x 1410 x 1148 mm

*can process other manufacturers' plates, contact FUJIFILM for details

**left-hand mounting option also available, subject to site survey

***not including input / delivery table

Please contact your local FUJIFILM partner for further information.

FUJIFILM

**FUJIFILM Deutschland
Niederlassung der
FUJIFILM Europe GmbH**
T +49 211 5089 255
grafische_systeme@fujifilm.de
www.fujifilm.de

FUJIFILM UK Ltd
T +44 1234 245 245
marketing.fgs@fujifilm.co.uk
www.fujifilm.co.uk/gs

**FUJIFILM Graphic Systems
France SAS**
T +33 1 64 76 71 00
commercial@fujigraphic.fr
www.fujifilmgraphic.fr

FUJIFILM Danmark A/S
T +45 45 66 22 44
fujifilm@fujifilm.dk
www.fujifilm.dk

FUJIFILM Italia S.r.l.
T +39 02 89 58 21
graphic.arts@fujifilm.it
www.fujifilm.it

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Environmental printing specifications: Printer: ISO 14001-accredited and FSC-certified. Plates: FUJIFILM Brilia HD PRO-T – processless plates that eliminate the processor, chemistry, water and waste from plate production. Paper: Greencoat Plus Velvet – FSC-certified, 80% post-consumer waste recycled. Inks: Ultrachem Reflecta eco – vegetable-based.