

Krause BlueFin LowChem

Krause FlowControl



- High performance LowChem plate processor
- Suitable for high quality applications and screenings
- With up to 350 plates/h fastest processor
- Reduction of energy costs of up to 50%
- High production security by monitoring of all flow rate parameters with the FlowControl System
- Robust design for HighEnd newspaper application with LowChem violet plates

KRAUSE

Quality builds trust.

BlueFin LowChem – The benchmark for chemical reduced polymer plates.



The BlueFin LowChem is a high class plate processor for chemical reduced polymer printing plates. Constant processing results qualify the BlueFin LowChem for the use of modern standards in newspaper production, for example high resolution and FM screening. This process uses less chemicals and has no need for water stations, regeneration and extra

gumming. It unites the production requirements of resource efficiency with reliability and provides a good image contrast on the plate. A reduced size, the economical usage of energy and chemicals as well as the easy maintenance are only some of the remarkable BlueFin LowChem features. The BlueFin LowChem provides a 100 ltr. basis tank with an optional extension for a larger

plate volume per filling. The FlowControl system optimises the maintenance works and results in a higher availability and a reduction in the overall costs per plate. This represents another step towards a fully automatic, industrial newspaper and commercial production.

TECHNICAL DATA	BLUEFIN LOWCHEM SOLUTION	CUSTOMER ADVANTAGE
Supported plate types	All common chemical reduced polymer plates	Independence from plate type / supplier
Process stations	Preheat, wash gum, optional extra gum, drying	Prepared for future plate technology changes
Plate format	Max. 650 mm in working width, Min. 270 mm in process direction	Plate orientation crossways or long direction even with small plates
Plate thickness	0.25 – 0.4 mm (0.01" - 0.015")	All common newspaper thicknesses can be processed
Production speed	80 – 240 cm/min (31.5" - 94.49"/min.)	Reliable and fast processing with up to 350 plates/h
Construction	Stainless steel bath, robust chain drive for rollers and brushes	Easy cleaning, longevity of processor, low wear and tear
Rollers	80 mm diameter, all rollers can be used in all positions	High production safety, reduced wear and tear costs
Brushes	56 mm spiral brushes with up to 150 rpm	Easy adjustment and good brushing
PreHeat	Hot Air Circulation PreHeat with energy saving and isolated Jet-Convecton principle	Short warm up <9 min, stable preheating on plate surface, low heat emission
Tank content of wash gum unit	100 liter bath tank with optional extension, 2 brushes	Large tank volume for higher plate volume per wash gum filling
Top-up	With water by exact dispensing pump	Precise top-up with flow sensor
Dipping length	83 cm for 21 s dwell time at 240cm/min	High speed processing with secure plate distance
Optional extra gum unit	Optional gumming by spiral roller	Prepared for future plate technologies
Drying	Powerful cold air drying	No heat expansion from drying for better plate register
Energy consumption	1.9 kW (heat emission ø 1.5 kW)	Energy savings of up to 50%
Heat Emission	1 kW	Easy air conditioning in CTP room
Weight	710 kg empty, 810 kg filled	Robust construction for industrial usage
Measurements	1,172 mm (W) x 2,050 mm (L) x 1,220 mm (H)	Short machine design with a compact process
Flow Measurement	Flow Control Sensors in all circulation sections	Constant process for stable quality and less failed plates
Monitoring	Optional NetTrack module	Machine status monitoring via intranet
Remote service	NetCare/Service-Gateway	Worldwide remote service from Bielefeld via internet

Subject to change, Issue 10/2009

KRAUSE

Quality builds trust.

Krause-Biagosch GmbH • Paul-Schwarze-Straße 5 • 33649 Bielefeld • Germany
 Phone: +49(0)521 - 45 99 - 01 • Fax: +49(0)521 - 45 99 - 122 • E-Mail: info@krause.de • www.krause.de