

## Krause BlueFin

## Krause FlowControl



- High performance polymer plate processor
- Available in 650 mm, 850 mm und 1,250 mm working width
- Suitable for high quality applications and screenings
- Up to 400 plates/h in constant quality
- Reduction of energy costs of up to 50%
- High production security by monitoring of all flow rate parameters with the FlowControl System
- Robust stainless steel bath reduces maintenance works and time

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## BlueFin and FlowControl Production security in processing on highest level

The BlueFin is a high class plate processor for polymer printing plates. Constant processing results qualify the BlueFin for the use of modern standards in newspaper production, for example high resolution and FM screening. Low energy and chemistry consumption, less faulty plates and

high production availability reduce the costs per plate considerably. The control system FlowControl immediately recognizes irregularities and therewith contributes to the stability of the total production process. This represents another step towards fully automatic, industrial newspaper and

commercial production and guarantees an efficient utilisation of resources. BlueFin processors can easily be upgraded for LowChem application and optimised by the Krause Clean Process Kit.

TECHNICAL DATA	BLUEFIN SOLUTION	CUSTOMER ADVANTAGE
<b>Supported plate types</b>	All common polymer and LowChem plates	Independence from plate type/supplier
<b>Plate width</b>	Min. 270 mm (10.63")	Reliable processing of plates with web width reduction
<b>Working width</b>	650 mm (25.59") / 850 mm (33.46") / 1,250 mm (49.21")	All common newspaper formats can be processed
<b>Plate thickness</b>	0.25 – 0.4 mm (0.01" - 0.015")	All common newspaper thicknesses can be processed
<b>Speed</b>	80 – 240 cm/min (31.5" - 94.49"/min.)	High speed processing with up to 400 plates per hour
<b>Construction</b>	Stainless steel bath	Easy cleaning, longevity
<b>Roller/brush set up</b>	Memory Locks for rollers and brushes	Reliable and fast adjustment after cleaning
<b>Roller/brush diameter</b>	80 mm rollers (3.15")/56 mm brushes (2.20")	High production security by robust construction
<b>PreHeat</b>	Hot Air Circulation PreHeat with energy saving and isolated Jet-Convactor principle	Short warm up <9 min, stable preheating on plate surface, low heat emission for highest throughput
<b>PreWash</b>	Exact adjustment of roller pressure and speed	Optimal processing result, min. overcoat transport
<b>Development</b>	Anti-oxidation sealing	Approx. 10% longer durability of developer
	Brushes work against rollers	Better processing results, very precise adjustment
<b>Dipping length</b>	83 cm (32.7")	High speed processing
<b>Tank content</b>	80 l / 100 l / 135 l	High speed, longer lifetime of chemistry
<b>Dwell time</b>	21 s at 240 cm/min. (21 s at 94,49"/min.)	Complete processing at highest speed
<b>Gum</b>	By spiral roller	Defined gum on plate
<b>Drying</b>	Without heat by powerful cold air drying	Plates stay cold, better register, reduced energy consumption
<b>Energy consumption</b>	1.9 kW (heat emission ø 1.5 kW)	Energy cost reduction of up to 50%
<b>Weight</b>	970 kg / 1,045 kg / 1,325 kg empty	High class construction for longer product lifetime
<b>Footprint</b>	1,172 mm (W) x 2,746 mm (L) x 1,220 mm (H) 1,372 mm (W) x 2,746 mm (L) x 1,220 mm (H) 1,772 mm (W) x 2,746 mm (L) x 1,220 mm (H)	Higher speeds at compact design Flexible floor planing will be supported
<b>Flow Measurement</b>	Flow Control Sensors in all circulation sections	Constant process for stable quality and less failed plates
<b>Industry 4.0</b>	Sensors for chemistry condition monitoring	Chemistry change if needed and not as per m <sup>2</sup> interval
<b>Monitoring</b>	Optional NetTrack module	Machine status monitoring via intranet
<b>Remote service</b>	NetCare/Service-Gateway Service Interface	Worldwide remote service from Bielefeld via internet

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