AKE BOOSE
Graphic Products

The patented "NOVA Compact" chamber system - benchmark design and pricing in high quality chamber systems. The system offers excellent ink transfer and doctoring, cost efficient operation and highly refined design.

News include

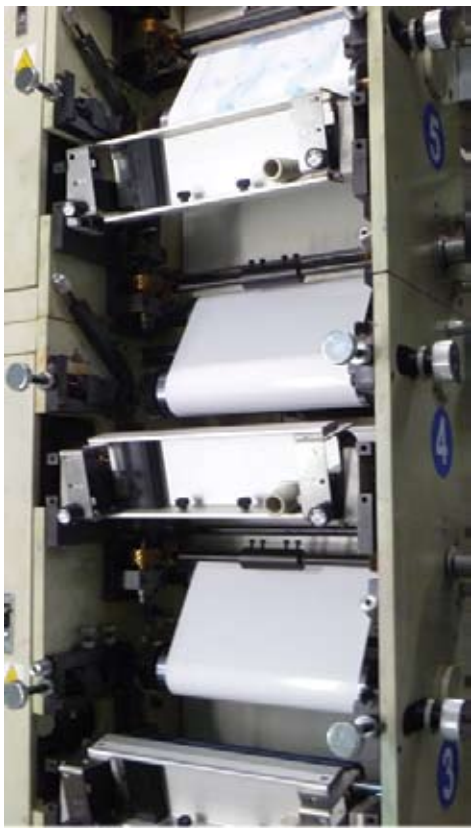
- Available both as stand alone chamber for suspension system free mounting (side-plates only) or optional new **self-supporting suspension system** allowing on press service and maintenance.

- The super strong and light-weight self-supporting suspension system allows use of **chamber lengths** matching both narrow and medium web width flexo applications.

- Launch of new **chamber profile Medium** expanding range of applications to screen roller diameters 70-150 mm.

- Redesigned and improved new **end-seal holder** for faster and easier service and tool-free change of end-seals.

Image right: NOVA Compact stand alone chambers (side-plates only) installed in a 6-station narrow-web press, printing high quality medicine packaging labels using high viscosity UV-inks.

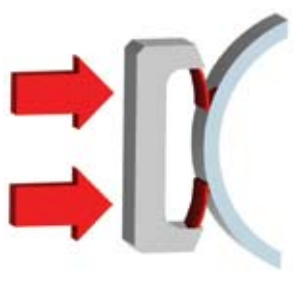


info@akeboose.com | www.akeboose.com

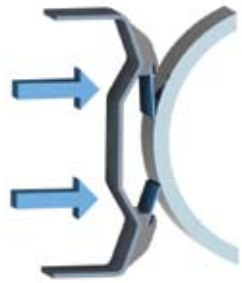
AKEBOOSE
Graphic Products

NOVA Compact is a full quality chamber system offering excellent ink transfer and doctoring performance. Based on a self-supporting anodized aluminum profile, the chamber can be installed either as a stand-alone unit or be equipped with a slim super-strong suspension system, enabling quick and easy on press service and maintenance.

As with all AkeBoose chamber systems, the new extended NOVA Compact utilises the unique concept of "low pressure doctoring", minimising wear of screen rollers, doctor blades and end-seals. The unique and patented blade clamping slits are fully integrated into the chamber. Combined with a rubber blade clamping profile, the system offers very quick blade change and fast service and maintenance. A high quality screen roller operating with low wear inks may offer a blade service life of up to 2 million printed meters.



Conventional, constant high pressure doctoring



AkeBoose low pressure adjusted doctoring

Image left: The optional NOVA Compact suspension system offers possibility of on press service and maintenance. The chamber is simply pulled back to service position, the rotation brake is released and the chamber is rotated to an upward facing position. End-seals and doctor blades can then be easily changed.

The super-strong suspension system also enables use of the NOVA Compact chamber in both narrow and medium web width flexo applications.

Technical data

Screen roller length	
- without suspension system	100-1 600 mm
- with suspension system	200-2 000 mm
Screen roller diameter	70-150 mm
Detergent/ink pH	pH 4-9
Chamber profiles	2 (small, medium)
Ink types	Water, solvent, UV
Ink flow rate	~1-5 l/min
Ink volume	~1.6-1.8 l/m (profiles)
Printing speed	<500 m/min
Material	Anodized aluminum, EPDM, POM, PP, steel
Weight (chamber)	~5.5 kg/m (profiles)
Consumables	End-seals, doctor blades, blade fix rubber
Application	Flexo, narrow and medium web width

All-in-one chamber

- Optimal blade angles in an asymmetric design to eliminate back doctoring from the sealing blade and ink spitting from the working blade.

- Low pressure doctoring principle to minimize wear of screen roller, doctor blades and end-seals.

- Patented blade clamping system using rubber profiles for ink tight, quick and easy blade changes without any special tool.

- Optional super-strong suspension system enables use of the NOVA Compact chamber in medium web applications, including on press services.

- Tool-free service and maintenance.

info@akeboose.com | www.akeboose.com