

Seam – K3 PLUS



KARLVILLE

The new PLUS series is the most advanced seamer in the industry. Karlville has once again innovated by launching the third generation of seamers which eliminates the forming tool. This new patented design makes the K3 PLUS the most operator friendly machine available, facilitating operator training with the most automated machine on the market. The K3 PLUS has 3 tension zones, which allows for a dedicated tension zone in the forming section for better layflat control. The unwind tension zone is now free to add innovations like laser integration or pin hole perforation while the film is flat.

The K3 PLUS offers a long list of advantages that solve the issues that come with the previous generation of machines that use forming tools. This new machine promises to revolutionize the way shrink sleeves are converted.

Make sure you see it before making any decisions.

Machine Specifications

Description	Spec
Machine Speed	5-500 m/min
Rewind Width	40-350 mm
Rewind Diameter	700 mm (MAX)
Unwind Width	720 mm (MAX)
Unwind Diameter	800 mm (MAX)
Minimum Lay flat Width	40 mm (Option 18mm - 39mm)
Core diameter	3"(76mm) - Air Chucks 5",6" & 10" Option
Lay Flat Tolerance	0.25 mm

Main Advantages

- No forming fingers = no friction = less ink and film wear
- Fastest set-up in the industry
- Auto-correct feedback loop, recipes
- Additional nip = better tension control
- Unwind independent tension zone
- Seam as close as 5mm from the edge of the film
- Narrow web labels without tooling
- No wear parts on forming system

Unwind Section

- Nip roller before the forming section
- Isolated tensions in the unwind section:
 - pin holes,
 - mechanical perforation,
 - laser perforation

Options for Upgrade

- Quality Control System integrated with labeler
- Non Stop Laser Integration

Needle Positioning – Secondary Edge Guide

- Available for more than 5 years.
- Needle needs to adjust to the edge of the film.
- Avoid blocking issues and raised lips.

Automatic Friction-Free Lay Flat System

- The ink layer is isolated from the process
- Easy to place the seam 5mm from the side
- No adjustments of the forming section over time: the side plates are flat on a table
- High Quality Lay Flat and Patent Pending

The Third Generation Seamer sets-up

- Lay flat entered by operator
- Plates move automatically
- Film set-up/folding
- Auto Lay Flat Correction
- 5-10 min set-up - 10m of waste or less per set-up

Layout

