OPTIONAL

Counting unit: UNICONT system

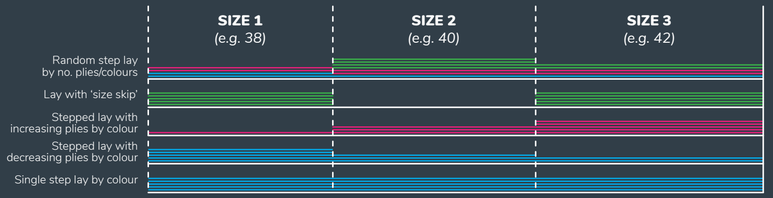
"The UNICONT system, patented by FKgroup in 1982 (patent N5479C), has revolutionised spreading in the cutting room. Before UNICONT, a lay with separate sizes was always spread in 'single steps', i.e. with the same number of plies per size, or in 'gradual steps', i.e. with a decreasing number of plies per size.

From the 1980s on, the production of 'made-to-measure' garments led to the need to spread lays with separate sizes in 'random steps', where the sequence of plies/colours spread per size coincided with the customer's order.

Thanks to UNICONT, short for 'Counting Unit', for over 40 years it has been possible ***to spread any type of lay in fully automatic mode****, as can be seen in the picture below (...even 'skipping' a size!)."*

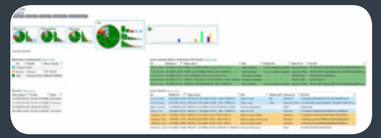
Flavio Cattini,
President FKgroup

Examples of lays spread by size/colour with the UNICONT system



NEW!

Just in time control of the entire cutting room with the **LIVE TRACKER** software.



FK GROUP SPA
Via Friuli, 21
24044 Dalmine (BG) - Italy
Tel. +39 035 565633

Sales Dept.
commercial@fkgroup.com
Tel. +39 035 565633

Customer Service
customer.service@fkgroup.com
Tel. +39 035 566647

UNI EN ISO 9001:2015 Certified Quality Management Company

www.fkgroup.com
fkgroup@fkgroup.com

12/2023

590 E-70
Spreading System

FKgroup®
Made in Italy

Spreader with Cradle 590 E-70

Automatic spreader with unique design cradle feed and manual operation through digitally controlled analogue and automatic handle, for straight and reverse rolls.
Spreading programming with steps. Equipped with a 'tension free' spreading control system to spread any type of fabric, from lycra to denim, jersey to technical fabrics using specific accessories.

- Spreading speed with digitally controlled short acceleration and deceleration.
- Automatic electronic control of fabric tension.
- Brushless main motors and variable speed asynchronous service motors.
- 4-wheel drive.
- Cradle feed for rolls with of Ø 80 cm (up to 110 cm as optional) and max. weight 70 kg.

Working width (cm)	160	180	200	220
Overall dimensions L x W x H (cm)	142 x 300 x 160	142 x 320 x 160	142 x 340 x 160	142 x 360 x 160
Weight (Kg)	425	475	525	575
Installed Power (kW)	3	3	3	3,2
Average Consumption (kW)	1,8	1,8	1,8	2
Power supply Tension (V)	400 +/- 10%			
Rolls maximum diameter (cm)	80			
Rolls maximum weight (Kg)	70			
Maximum spreading speed (mt/min)	100 (with cutting device and mobile catcher)			

Narrower or wider working widths are available subject to technical approval.
With the aim of improving its machinery FKgroup reserve the right to change the technical characteristics without prior notice.

More technical data

- Cutting device designed to operate with/without catcher and mobile catcher for faster spreading.
- Operator platform.
- Lay's maximum height 18cm (14cm with zig-zag).
- Automatic end-of-fabric stop.
- Partial and total lay counting by colour.
- Lay thickness measured with infra-red technology.

Selvage alignment with infra-red technology.

Spreading of reverse wound pieces.

Loader from spreading table to machine.

Model 590 E-70 *Touch panel*

Model UNICONT *Touch monitor*

OPTIONAL

UNICONT Spreader and Software Make

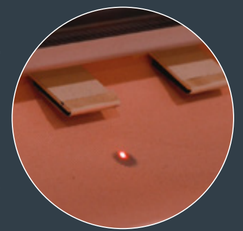
MAKE software: examples of lay spreading programming with steps by size and colour.

Thanks to the UNICONT spreader and MAKE software:

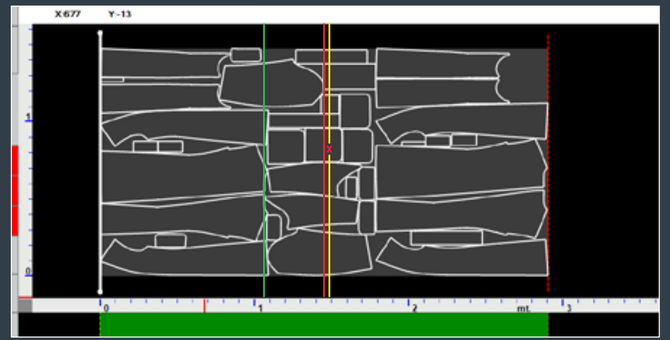
- full versatility: all types of spreading without catcher using a single spreader;
- easy programming for every lay and setting of the spreading reports;
- immediate sharing of spreading data with the company's ERP.

Cutting line simulation to eliminate defects:

- Defect
- Reference of panels on the defect line
- Fabric cutting line simulation
- Spreading re-start line



Laser pointer for defect management



Left to right spreading.