



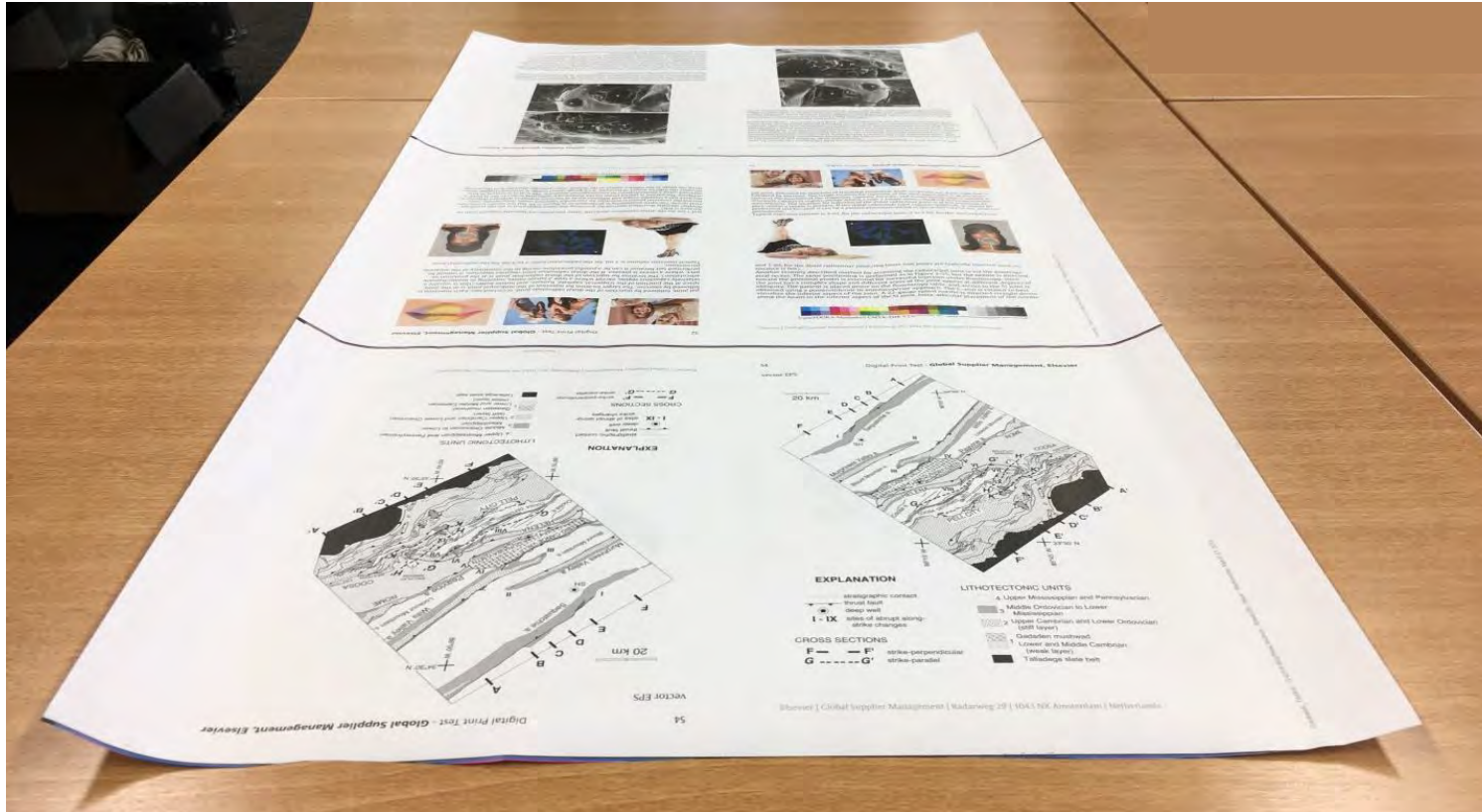

CONTIWEB
solutions to impress


w o r l d w i d e

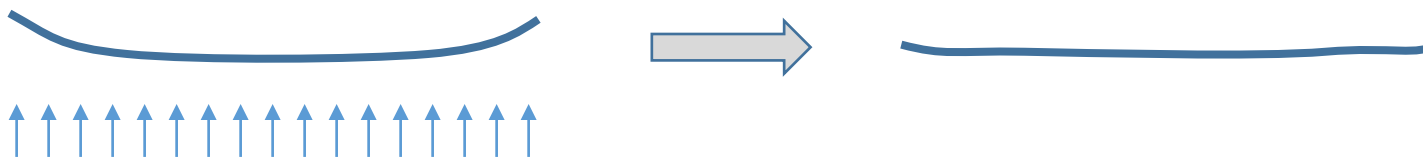
CONTIWEB DIGITAL FLUID APPLICATOR (DFA)

Remoistening

Problem and Solution



- **Curling control.**
- Flatness of the signatures.
- Mixing of long- and short grain signatures.
- Growth of the cut books.
- Page turn over of short grain books.
- Broken folds.
- Break out of staples.



Metered Remoistening & Silicone Application

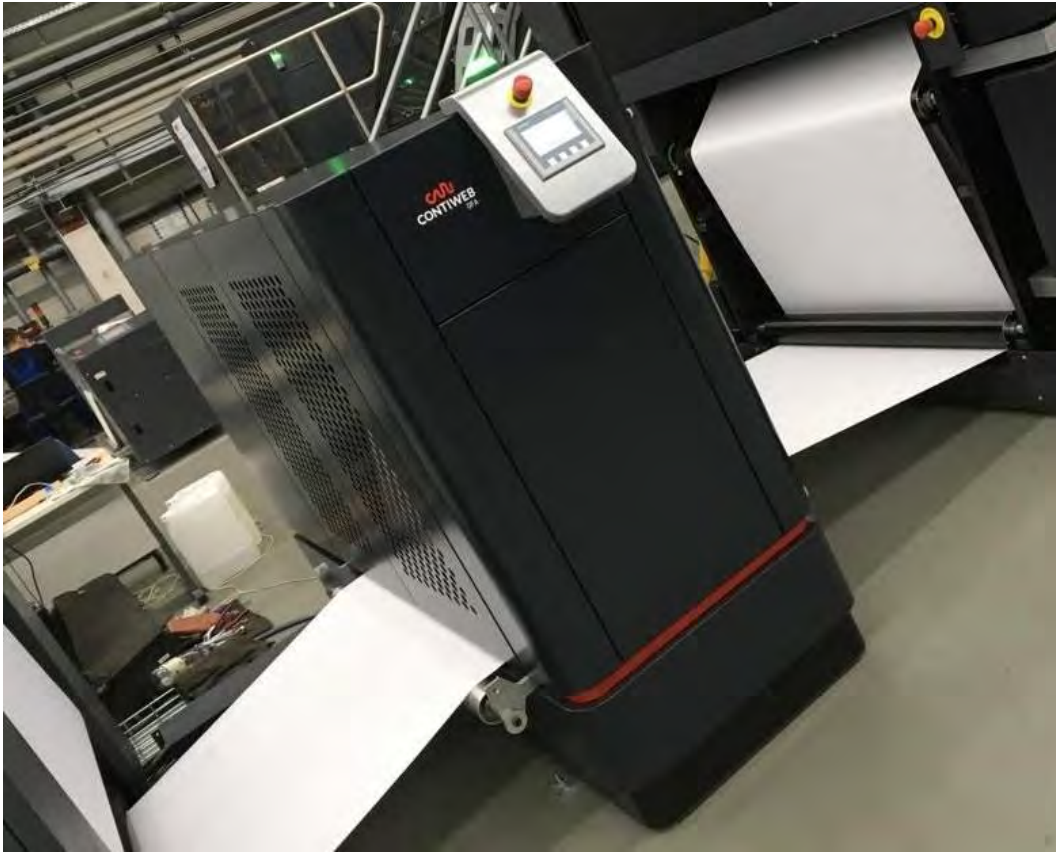
Problem and Solution

3



Introducing the Contiweb DFA

Applying water and silicone oil



Why apply water?

Eliminating hygroscopic influences on printed products by adding water on the web after printing and drying.

Why apply silicone oil?

Protecting the printed material against mechanical stress especially with inline finishing, folding or cutting.

Our reference is:

Market leader in HSWO: remoistening unit is integrated in the chill stand of Ecocool/Ecoset dryers: 530 installations worldwide since 2004.

Innovation: using 100% silicone oil instead of silicone emulsion.

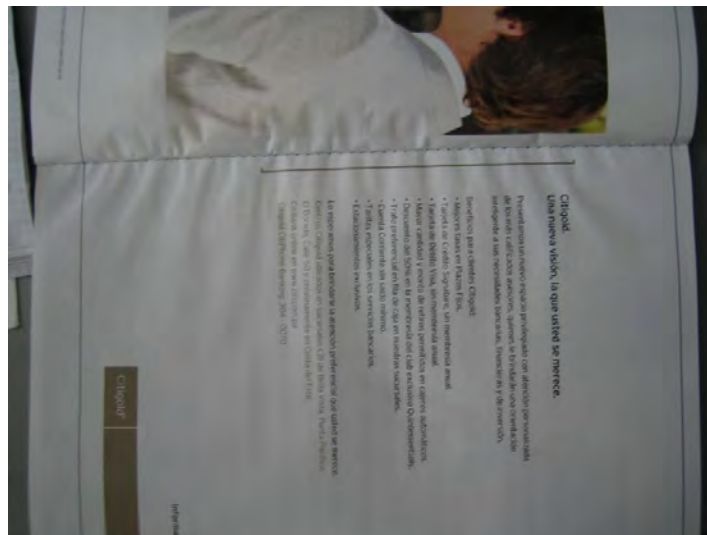
Remoistening

Problem and Solution

5



- Curling control.
- **Flatness of the signatures.**
- Mixing of long- and short grain signatures.
- Growth of the cut books.
- Page turn over of short grain books.
- Broken folds.
- Break out of staples.



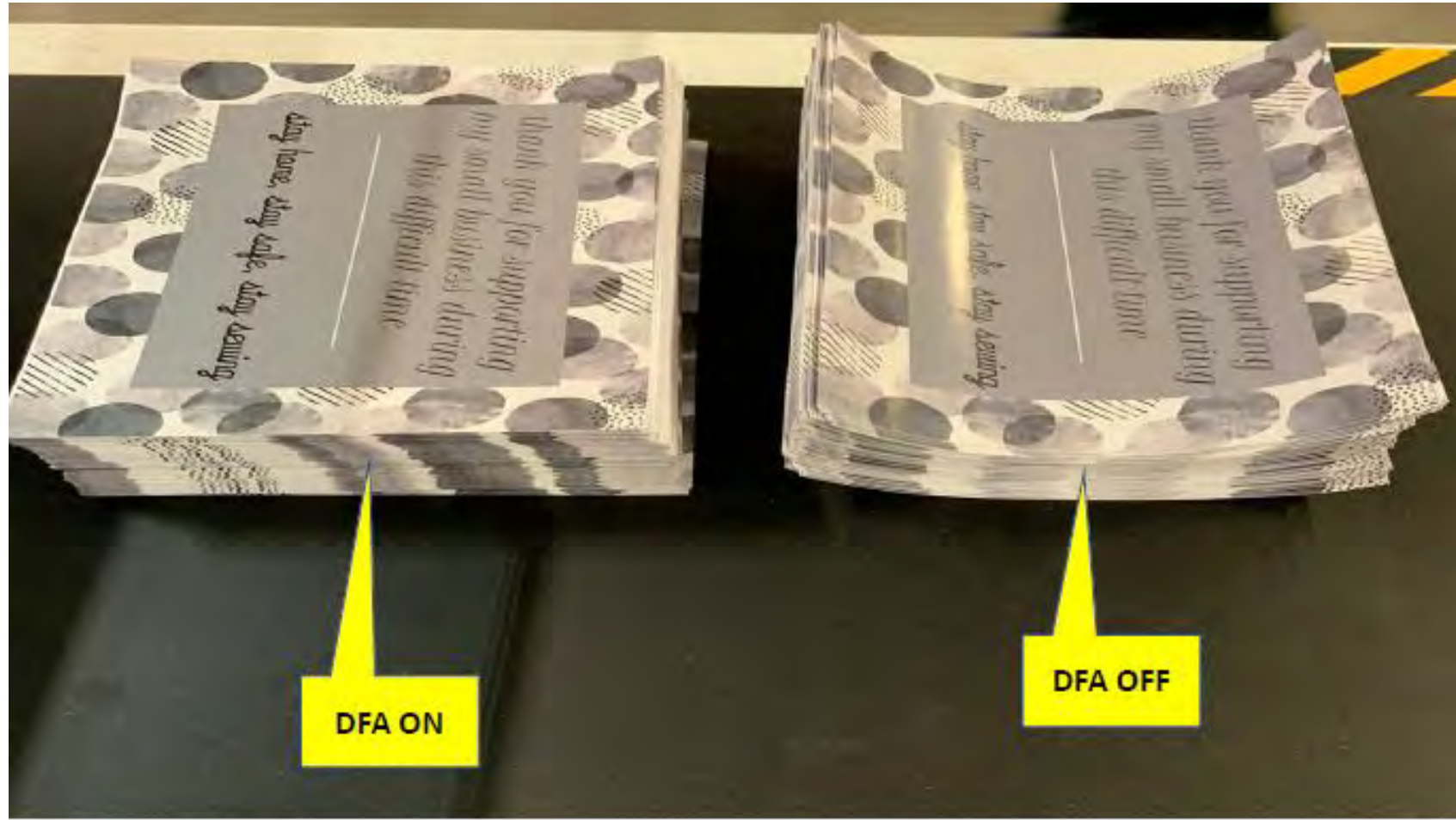
Contiweb DFA

Print Samples DFA On & DFA Off



Contiweb DFA

Print Samples DFA On & DFA Off



Signature Growth

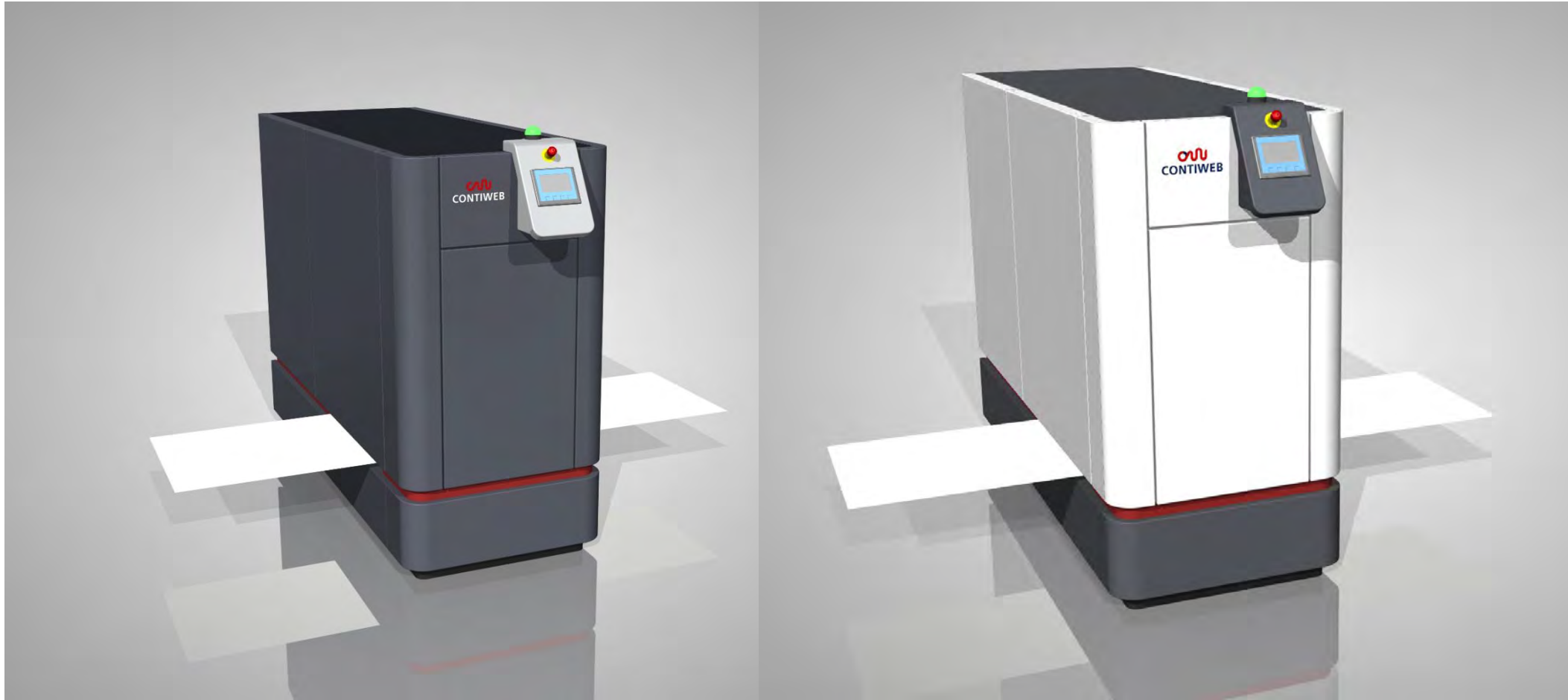
Problem and Solution



- Curling control.
- Flatness of the signatures.
- **Mixing of long- and short grain signatures.**
- Growth of the cut books.
- Page turn over of short grain books.
- Broken folds.
- Break out of staples.

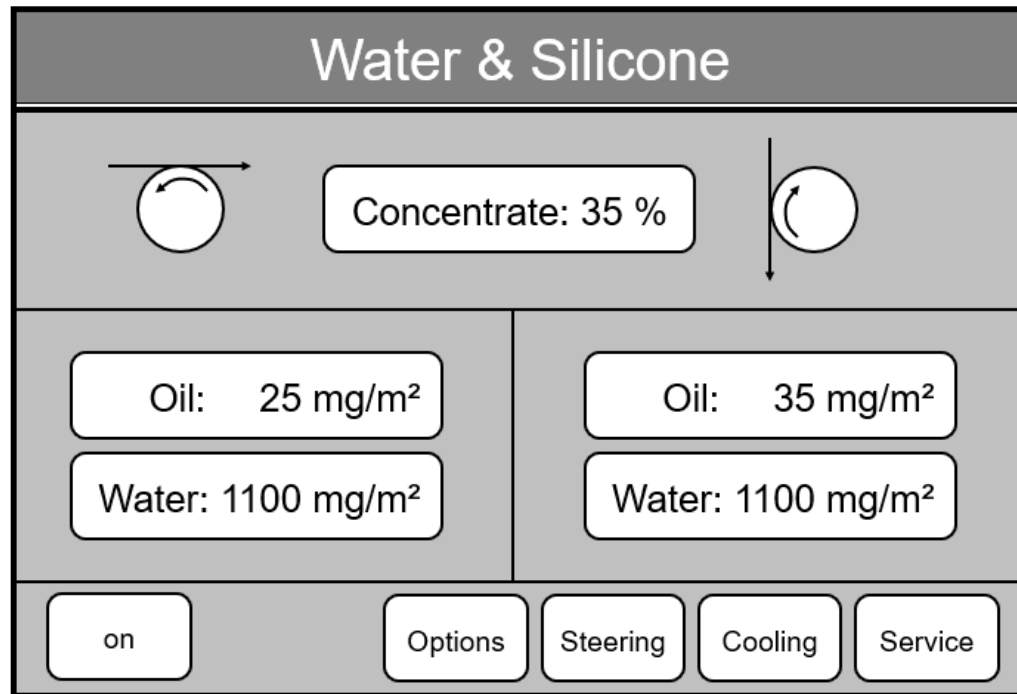
Contiweb DFA

Design



Remoistening system - Control

Problem and Solution



- Control per side
- Control Per fluid
- Allows optimization (folder nose side)
- Allows reproducing setup for same product
- Allows to track the consumption

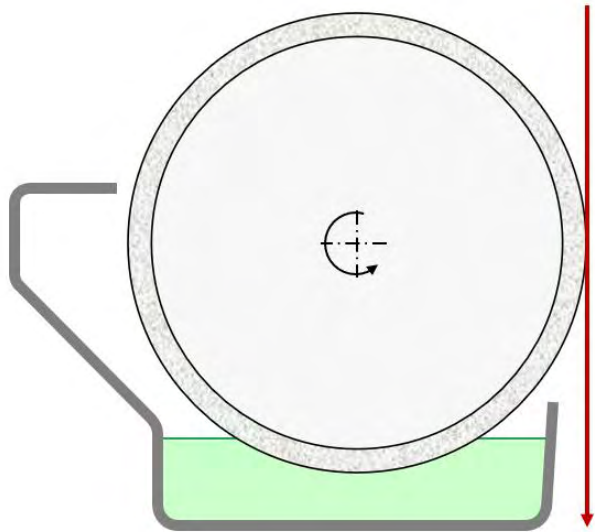
Table 6: Water coverage per side

Grammage	Basis weight	Remoistening percentage						
		1.0 %	1.5 %	2.0 %	2.5 %	3.0 %	3.5 %	4.0 %
g/m ²	lb	Water coverage per side in mg/m ²						
30	20	150	200	300	350	450	500	600
37	25	200	300	350	450	550	650	750
45	30	200	350	450	550	650	800	900
52	35	250	400	500	650	800	900	1050
60	40	300	450	600	750	900	1050	1200
67	45	350	500	650	850	1000	1150	1350
75	50	350	550	750	950	1100	1300	1500
82	55	400	600	800	1000	1250	1450	1650
89	60	450	650	900	1100	1350	1550	1800
97	65	500	750	950	1200	1450	1700	1950
104	70	500	800	1050	1300	1550	1850	2100
112	75	550	850	1100	1400	1700	1950	2250
119	80	600	900	1200	1500	1800	2100	2400
127	85	650	950	1250	1600	1900	2200	2550
134	90	650	1000	1350	1700	2000	2350	2700
142	95	700	1050	1400	1750	2100	2500	2850
149	100	750	1100	1500	1850	2250	2600	3000

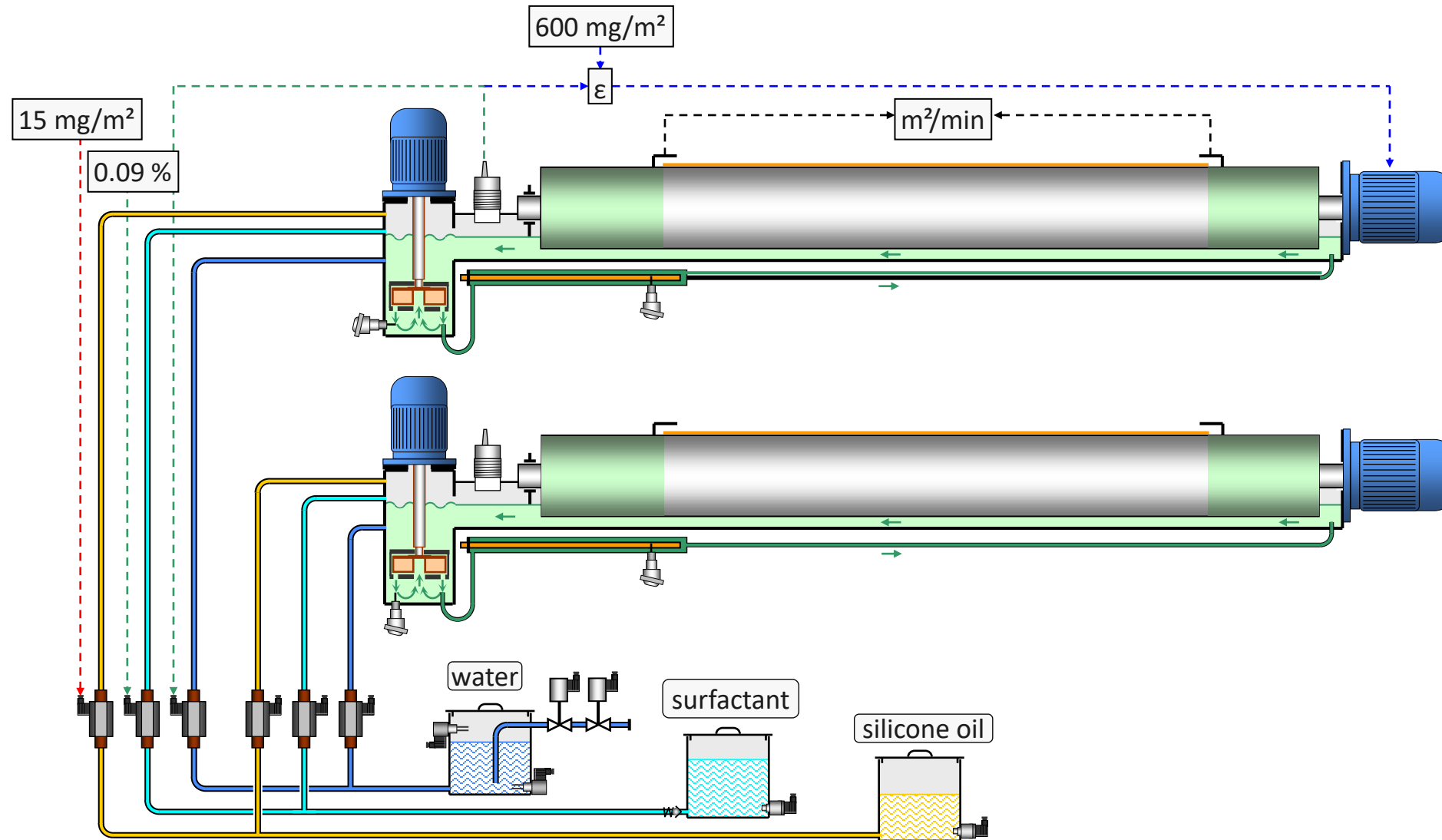
Applicator – Absorbant Sleeve Roller

Problem and Solution

12



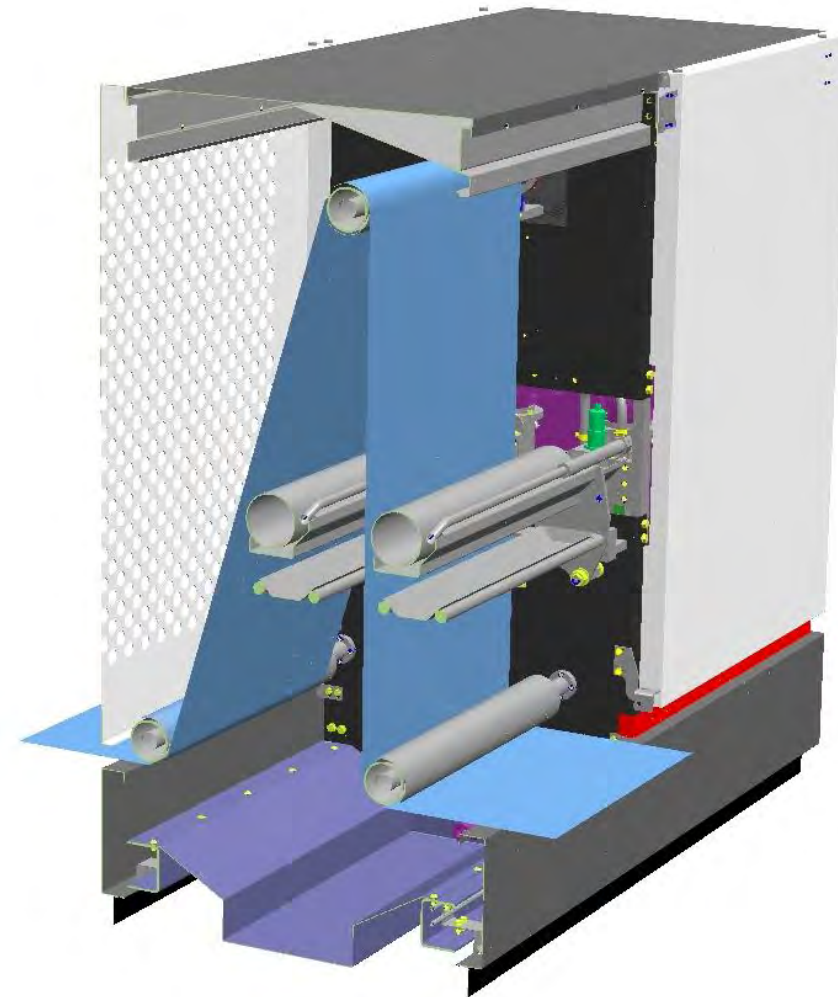
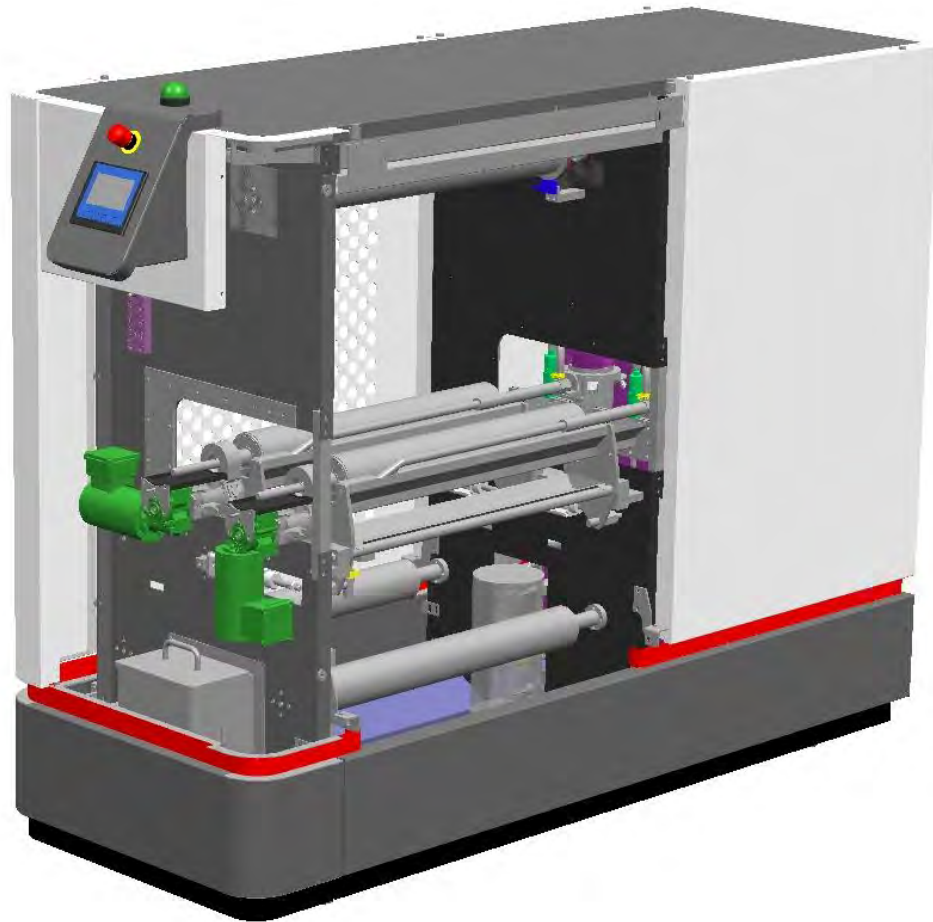
- Metered amounts of solution applied via patented process
- Apply different amounts of metered water & oil to each side of substrate
- Application of (silicone) oil is optional



Contiweb DFA

Design

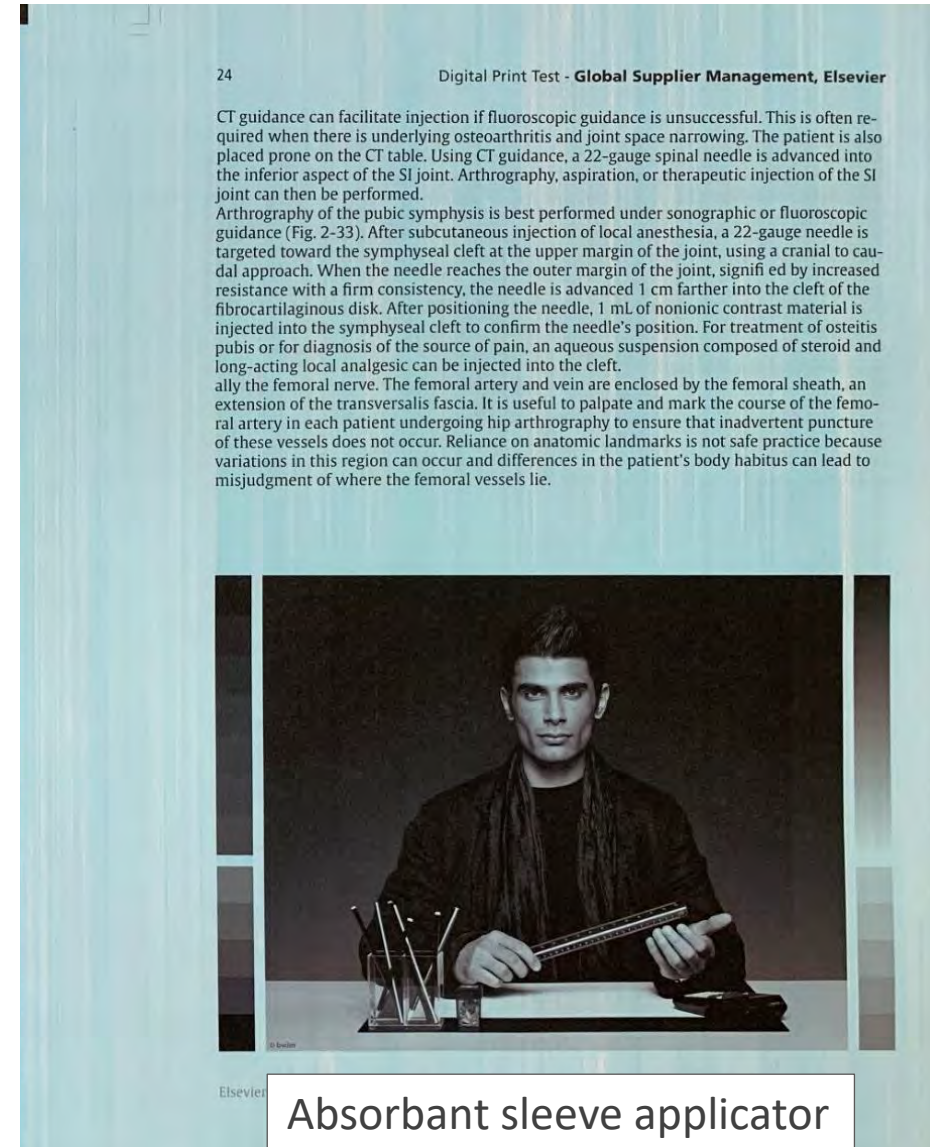
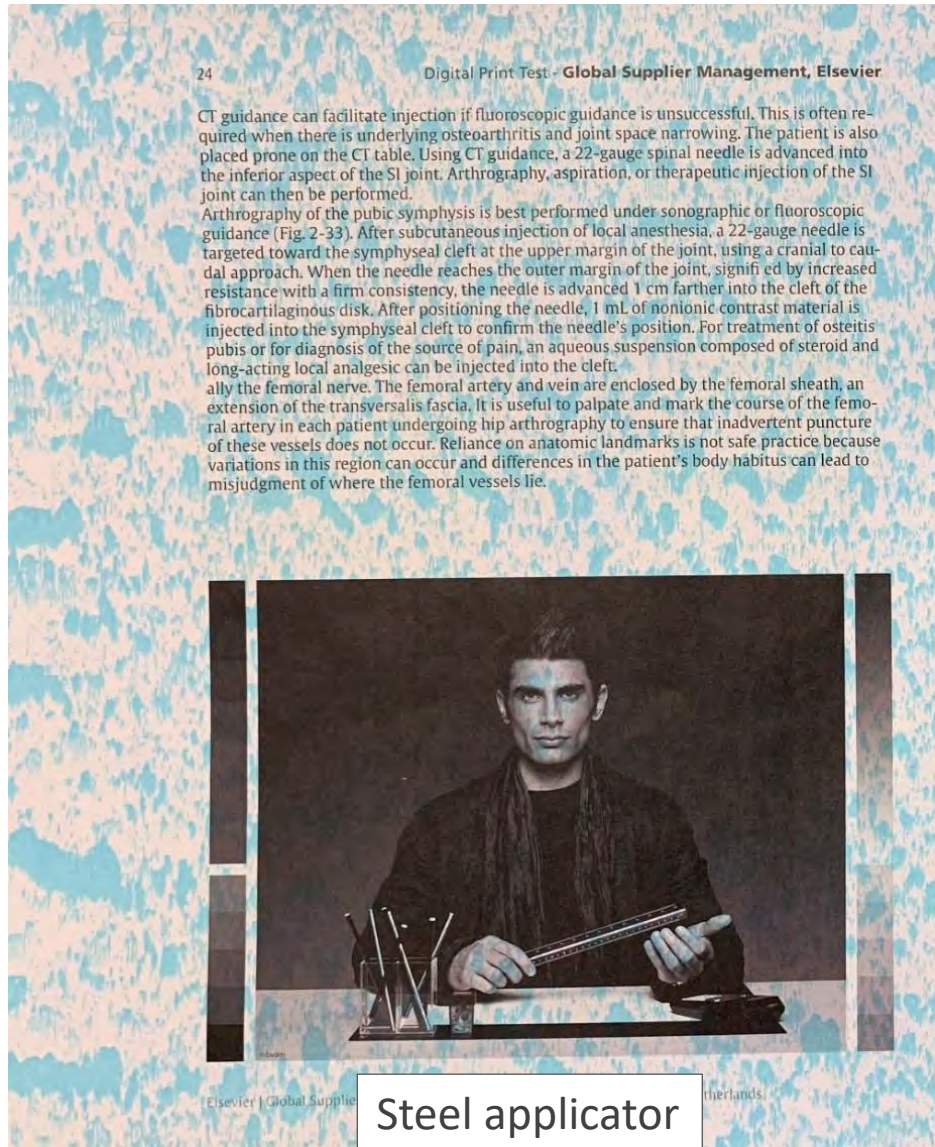
14



More even distribution by using water absorbant sleeves

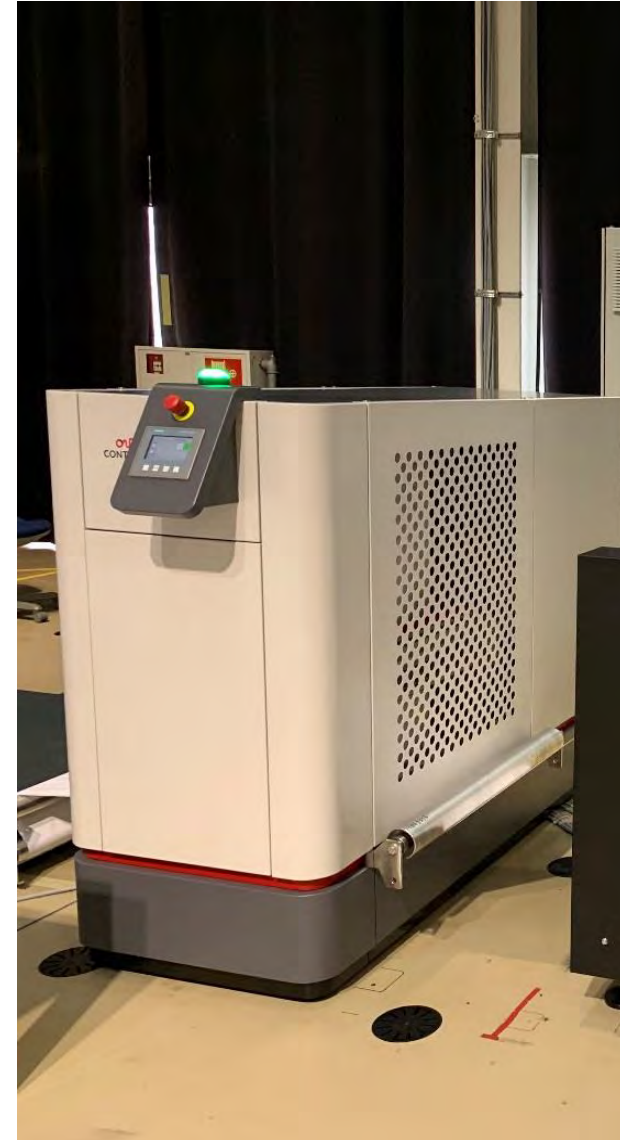
15

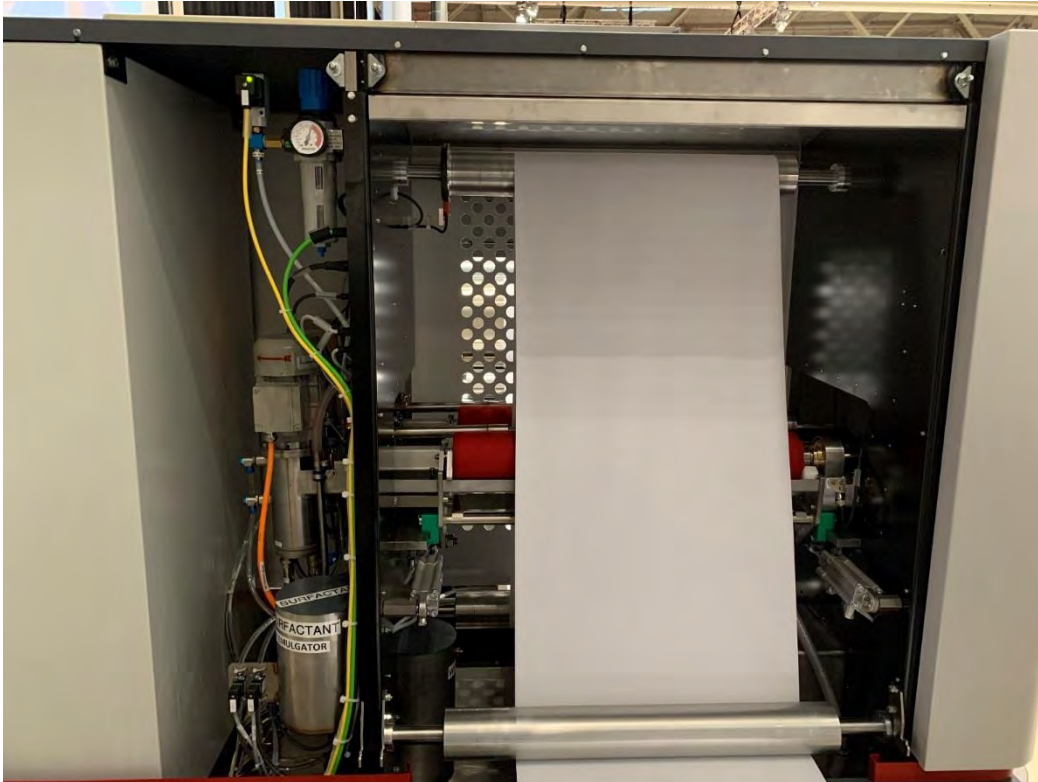
Testing by adding blue ink in the application system



Contiweb DFA

Pictures of 22" version





Exit web to finishing



Front side door open

Contiweb DFA

Design in 43" version



Advantages

Operational improvement

- Accurate remoistening setting in g/m² for each side.
- Accurate silicone oil coverage setting in mg/m² for each side.
- Possible to use as remoistening only, or as combined silicone applicator and remoistening.
- Fast reaction time with change in volume (small mix buffer per side).
- No need for biocides.

Quality improvement

- Eliminates hygroscopic influences on printed products.
- Protects the printed material against mechanical stress.
- Special application roller for even application of water and silicone oil.
- Better control over print quality using silicone oil, no additives like in silicone emulsion.

Investment and operational cost reduction

- Combined functionality for remoistening and siliconizing.
- Works with pure silicone oil and surfactant, no need for silicone emulsion.
- « Drinks from the tab », no RO water nor additives required.
- Minimum 60% cost savings on consumption of silicone.

North American authorized agent:

20



11369 Higgins Airport Way
Burlington, WA 98233 (USA)
(360) 466-5577

Contact: Dave Gilmore, VP of Sales
dgilmore@impressionsworldwide.com
(619) 548-1409

www.impressionsworldwide.com
Solely owned and operated in the USA



Now in their 25th year, imPRESSions Worldwide is the premier company offering the largest inventory of second-hand single-wide newspaper and commercial presses and auxiliary equipment. imPRESSions's team of experienced professionals has delivered more than 1,500 precise press projects to over 50 countries. Operating from two facilities in the USA, imPRESSions offers a wide range of equipment and world-class services, including reconditioning, installation and press room upgrades. Their product lineup is greatly expanded thanks to new global partners Goss Graphic Systems China, DG press Services & Contiweb. imPRESSions is the most trusted source for superior quality equipment and customer service.

Thank you

