



Up to
30%
Increase in
production time

TRESU F10 iCon

Intelligent ink control system



inkLink®

Lean production by inkLink automation

With the strong focus on efficiency, cost and impact on the environment along with the increasing complexity of the flexo print process we are experiencing a growing frustration from users who are wasting too much time on non-value added tasks.

At TRESU we take these challenges very seriously and have therefore developed the inkLink concept which by means of a complex set of problems has created an efficient, automated and user-friendly solution. The solution takes parameters such as flow, pressure, pH, temperature control

and viscosity (patented TRESU ViscoFlow) into consideration.

With inkLink the users will experience a production increase of up to 30%, uniform quality and reduced consumption of resources. In addition a closed inkLink system reduces the impact on the environment considerably.

Below you can see how TRESU can help your company to “work smarter – not harder”.

Christian Fogh

R&D Manager, TRESU Group

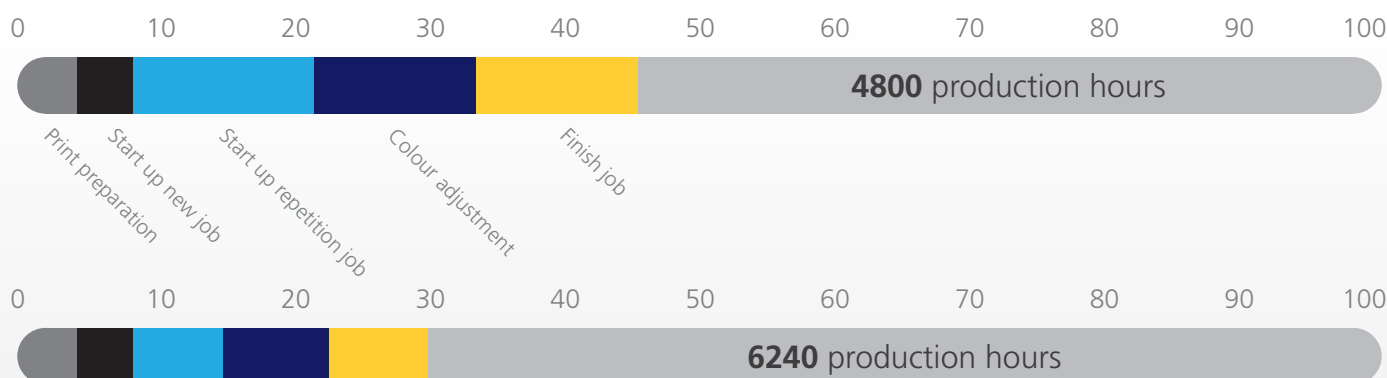
From pains to gains with F10 iCon

F10 iCon is part of the TRESU inkLink system that delivers uniform quality, less waste and reduced cost by effective process control from ink container to substrate.

- Automatic adjusting of parameters
- Automatic cleaning during job change
- No hoses to move
- Closed system
- Touch Screen
- No extra bucket
- Recipes
- Easy handling



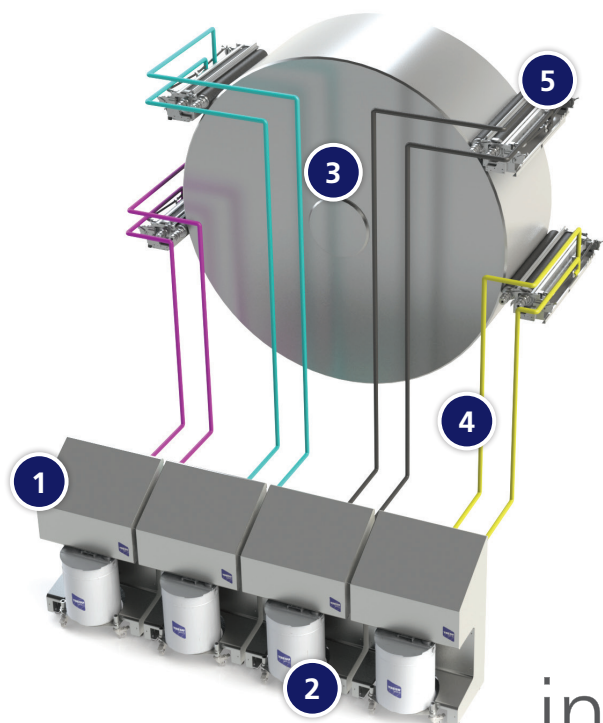
Improvement of production time ROI in less than five months



Work smarter - not harder Focus on value adding tasks

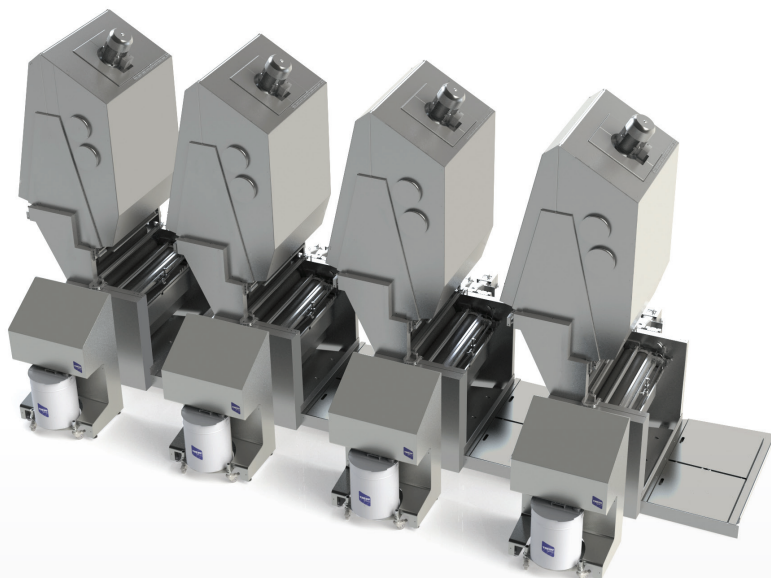
Due to the automatic cleaning and automatic adjusting of parameters, resources can now be used on value adding tasks.





inkLink®

F10 iCon works with most press configurations



User interface F10 iCon

1

F10 iCon

Each ink circulator unit contains pumps for forward and return flow.

2

Trolley

Movable and adjustable trolleys for ink buckets.

3

Press configuration

CI-press or other press configurations.

4

Ink hoses

Ink hose/pipes for forward and return flow. For water- and solvent based inks.

5

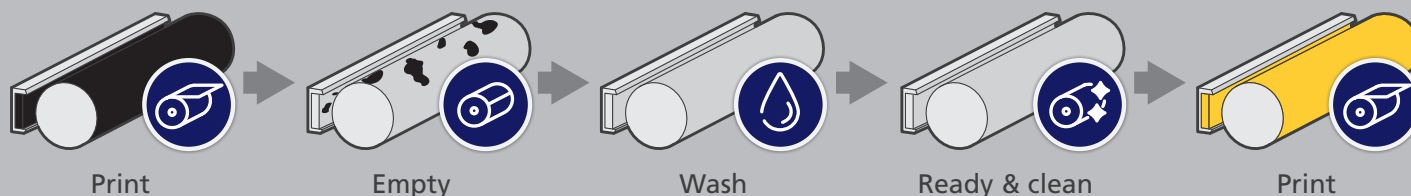
Chamber doctor blade

Accommodates most brands.

Clean the system in 5-10 minutes with complete ink change on all units

The F10 iCon enables fully automatic cleaning for water- and solvent-based inks with an easily adjustable menu.

The cleaning system removes ink, ensures the chamber is clear of residue and has low water/solvent consumption



Print

Empty

Wash

Ready & clean

Print

Reduce your enviromental impact with inkLink



- inkLink closed system reduces evaporation up to 66%
- inkLink fastClean controls the cleaning process and reduces water use considerably
- inkLink fastClean reduces the needs for detergents while cleaning the system

Technical Data F10 iCon

Machine type	CI-, Stark, In-Line or other press configurations
Coating type	Water- or Solvent based ink and coating
Approval	Atex/EX

Dimension (HxWxD)

Pump unit (Dual Unit)	965x900x536 mm
Operation unit	1872x810x800 mm

Weight

Pump unit (Dual Units)	103 kg
Operation unit	130 kg

External Connections

Voltage	100-230 VAC - 50-60 Hz
Max. current	13A
Cable connection	3g 1,5 mm ²
I/O Signal from external PLC	Yes
Air supply	Min 6 bar - max 10 bar, clean and dry (ISO)
Air consumption	100-200 l/min per unit
Pump hose connections	3/4"/1"

Cleaning with water based ink

Water supply	0,5-1 bar, 50-100 l/min
Cleaning program	Up to 15 minutes for a 8 color press
Water consumption	Approx. 20-25 liter per unit
Detergent	Approx 1 liter per unit

Cleaning with solvent based ink

Solvent supply	0,5-1 bar, 50-100 l/min
Cleaning program	Up to 10 minutes for a 8 color press
Solvent consumption	Approx. 14 liter per unit
Data logging	Optional
Filter solution	Yes
Alarm history	Yes
iCon-based HMI touch screen	Yes
Multi-option cleaning process	Yes



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The Best Part of Innovation