

# *Solutions for flexo applications*



# The best solutions for flexo applications

TRESU is the world's leading supplier of chamber doctor blade systems, along with a wide range of ancillary products including ink and coating systems, drying systems, and printing plate cleaning systems.

With constant focus on innovation, cutting-edge technology, design, performance, and optimization of the printing process, TRESU Ancillary products set the benchmark by meeting the demands of all market segments within the flexo printing industry. We offer know-how and experience to meet the specific requirements of flexo and coating machine manufacturers, print companies and individual customers worldwide.



## TRESU UniPrint Combi · Chamber doctor blade system

- New pressure control technology for foam elimination of sensitive coatings
- Streamlined and compact design for perfect handling
- For water-, UV- and solvent based inks and coatings
- Patented TRESU seals guaranteeing authentic quality
- Patented TRESU E-Line clamping system for fast doctor blade change and high quality doctoring
- Anilox width: up to 1200mm. - Anilox Ø: 80 - 250mm.

## TRESU FlexiPrint · Chamber doctor blade system

- Mechanical loading system
- Patented TRESU E-Line clamping system for fast doctor blade change and high quality doctoring
- Standardized, compact construction with excellent price/performance ratio
- For water-, UV- and solvent based ink and coatings
- Patented TRESU seals guaranteeing authentic quality



## TRESU FlexiPrint IMW · Chamber doctor blade system

- Streamlined and compact design for very easy handling
- TRESU FlexLoc mechanical loading system
- Specially for In-line mid-web Flexo machines
- Patented TRESU E-Line clamping system for fast doctor blade changes
- Patented TRESU seals guaranteeing authentic quality
- For water-, UV- and solvent based inks and coatings
- Open or closed ink circulation system
- Optional pressure control technology for foam sensitive inks and coatings

## TRESU UniPrint · Chamber doctor blade system

- Universal chamber construction, customized for any application and printing press
- Patented TRESU seals guaranteeing authentic quality
- Open or closed ink circulation system
- For water-, UV- and solvent based inks and coatings, acids, glue and other materials
- Up to 1000 m/min mechanical and pneumatic loading systems

- Doctor blade quick change systems: S-Line; E-Line and P-Line
- For special applications: S-Line chamber in stainless steel
- Anodized, Teflon and CPG corrosion surface protection
- From 100 mm up to 6000 mm



## TRESU FlexiPrint Reservoir · Chamber doctor blade system

- Mechanical loading system
- No circulation pump necessary ink is kept in the chamber reservoir
- For UV-ink and -coating applications
- Less ink consumption and fast job change
- Patented TRESU E-Line clamping system for fast doctor blade change and high quality doctoring
- Patented TRESU seals guaranteeing authentic quality

## TRESU CPG · Anti corrosion surface protection of chamber profile

- For TRESU UniPrint, and MaxiPrint P-Line chamber doctor blade systems
- Developed to resist inks and cleaning liquids in water based ink and coating applications
- Retrofittable to all TRESU chamber doctor blade systems with D4 and D5 profiles
- Combines construction advantages of aluminium with corrosion resistance of carbon fibres



## Quick clamping system

### P-Line

- Pneumatic clamping system
- For widths up to 6000 mm
- Patented by TRESU
- Blade change in less than one minute
- No screws

### Next generation seal

- ATEX certification is optional
- Customized OEM solutions for projects and mass production equipment
- Perfect sealing
- Long lifetime
- Tool-free system, easy to change, and easy to clean
- Pressure control technology. Foam-free ink/coating laydowns at high speed
- Multiple perfect fit. Compatible with several anilox diameters/blade sizes

### E-Line

- Excentric clamping system
- For widths up to 2000 mm
- Patented by TRESU
- No screws



## Ink supply systems

**TRESU Ink supply systems can be used for all CI, stack and line or stand alone machines.**

The F1 Basic is an ink pump for customized solutions - integrated or as a stand-alone unit.

The TRESU F10 ink supply system has integrated PLC operation and a high pressure cleaning module and is the ideal solution for optimized production flow and fast job changes.



### TRESU F1 Basic ink supply system

- For TRESU Flexi-, Uni-, and MaxiPrint chamber doctor blade systems
- Basic Ink supply system
- Flow wash cleaning procedure
- Stand-alone/integrated or OEM/customised or retrofitted
- Easy to install and maintain
- For flexo printing applications, water-, and UV-based inks and coatings

### TRESU F10 ink supply system

- Stand alone ink supply system with integrated PLC and high pressure cleaning module
- For TRESU Flexi-, Uni-, and MaxiPrint chamber doctor blade systems
- Fully automatic cleaning procedure and quick job change
- Intensive wash program. Detergent is optional
- Peristaltic- or diaphragm pump solution

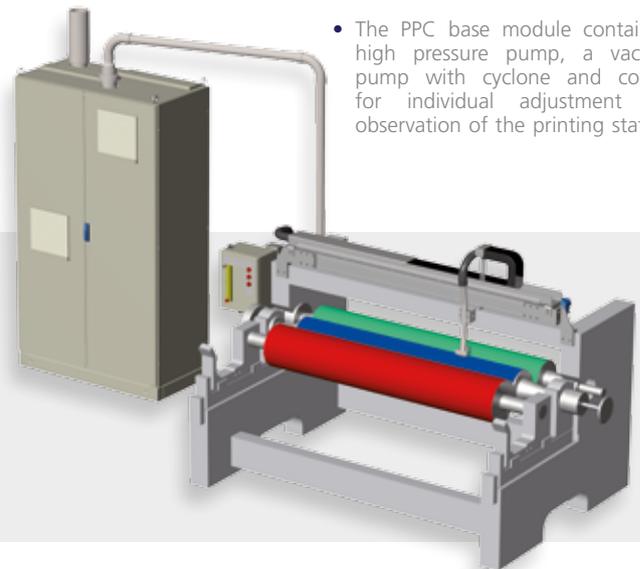


## Printing Plate Cleaner

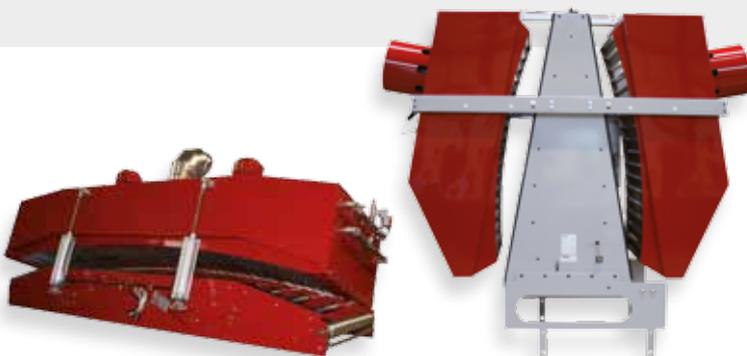
**The fully automatic, contact free, in-line cleaning system for flexo printing plates.** It is the only system in the world that cleans the printing plate during production, or performs an intensive post-production cleaning process. The PPC module is developed to dramatically improve the print quality in the 'dirty' environments of tissue- and napkin printing productions.

### TRESU Printing Plate Cleaner:

- Standard- and turbo cleaning
- No damages to the printing plates
- High and consistent print quality
- No production downtime due to printing plate cleaning
- No manual cleaning. Safe operation by remote control
- Less production waste



- The PPC base module contains a high pressure pump, a vacuum pump with cyclone and control for individual adjustment and observation of the printing stations



## Flexo and Offset Drying Technology

**TRESU provides standard and customized convention dryers for flexo-, offset-, coating-, and gravure printing presses.**

The drying systems are suitable for water-, and solvent-based inks and coatings, and suitable for shrink films, papers and packaging materials.

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