

Water-based roll cleansing agent

BUBBLES & BEYOND ■ *enpurex* is a water-based, non-flammable, free from aggressive chemicals, bio-degradable cleansing agent line. The products are based on the patented technology platform »intelligent fluids« of the Leipzig/D-based company. *B&B* develops pioneering, highly efficient product solutions in the field of complex fluids. They consist of extremely dynamic structures which are consistently present through the liquid. The molecular teamwork in these flexible associates produces stunning effects.

Unlike traditional solvents and alkaline cleansing agents, the water-based »intelligent fluids« produce highly effective physical effects. They belong to internally structured liquids, whose impact is not aggressive or caustic but instead takes the form of high dynamics in the liquid. The products deeply penetrate the recessed cells and pores and diffuse into the inks in order to quickly re-move them from the surface of printing press rollers without leaving any residue. The usual dissolution or etching of inks is eliminated at a stroke.

The *enpurex* product portfolio currently covers three different cleansers:

- *Online* is designed for the cleaning of printing rolls, in particular anilox rolls during production, and removes UV curing, solvent- and water-based printing inks as well as ink vitrification.

- *95 Plus* is a manual cleanser to remove dispersion- and water-based printing inks and print lacquers from printing rolls.

- The most powerful *enpurex cleanser Pro* is a manual cleanser for removing persistent and older staining. Due to incorporated »micro erasers«, it removes all kinds of printing inks, including 2k lacquers and UV curing inks and also gets rid of calcium vitrification.

The *enpurex* product line is completed by the *surfiMAX* cleaning sponges:

- *surfiMAX* cleaning sponge C is a pop-up sponge which is especially absorbent and resistant to solvents,
- *surfiMAX M* micropore cleaning sponges can be divided into two

sub-types: *M-ON* is designed to evenly spread *enpurex* products and to enhance their intrusion into tiny cracks and craters of the surface material; and *M-OFF* which removes deeply rooted dirt gently and effectively as well as the round cleaning sponge R, which is designed to remove ink residues on-line in combination with the print roll cleaner *Online*.

enpurex products are designed to remove all sorts of inks and lacquers used in the printing industry with a unique and fast easy-wipe effect. Thereby, downtime is reduced significantly and printing rolls can be used with more versatility across different colours, reducing the need to stockpile print rolls.

→ www.bubbles-beyond.com

Digital printing solution

XENNIA ■ The *Aquamarine* inkjet printing system offers a complete production solution to print full-colour graphics, logos, barcodes and other data onto the sides of rigid box and carton packaging, providing unrivalled performance and quality with UV curing inks. The system is a flexible, digital system designed for highly economical printing of rigid secondary packaging in short customised runs. The system prints onto two opposing vertical sides of rigid packaging such as EPS boxes, chill boxes, bottle crates, transit packs, plastic trays and other

secondary packaging.

The system can use UV or solvent-based inks, with a print swathe height of up to 120 mm (4.7") and a line speed of up to 40 m/min (131 fpm), equating to more than 1800 boxes per hour using 800 mm (31.5") boxes. Automated maintenance and variable data printing capability are also available. The system includes a substrate transport conveyor, and can be used standalone or integrated into a production line.

→ www.xennia.com

gearbox with extreme ratios, e.g. 10,000:1, with all standard items from their existing range.

Further possibilities are a planetary gearbox which is linked to the output side of a spiral bevel gear, creating a free output shaft for emergency manual adjustment in case of a thermal failure or a general power failure.

Other possibilities are a servomotor which drives a spiral bevel gear unit, with two or three output shafts which run at different speeds. Or with one output shaft running clockwise and the other one running counter clockwise, with the same or at a different speed.

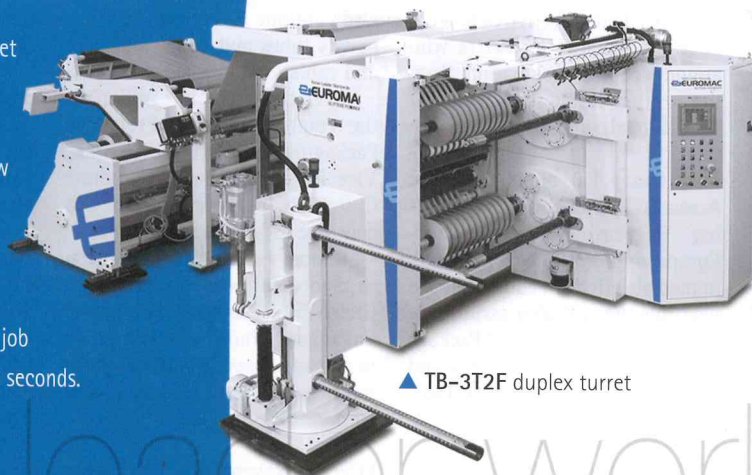
→ www.apexdyna.eu

Viscosity control system

NORCROSS ■ The *VISC6000* viscosity control system is a PLC-based process control system which operates viscosity sensors and can monitor and control up to ten stations through an intuitive touch-screen interface. Featuring trend plot software, this control system displays trend data for each station in real-time, provides data logging for one hour up to seven days, and permits set-point and other viscosity

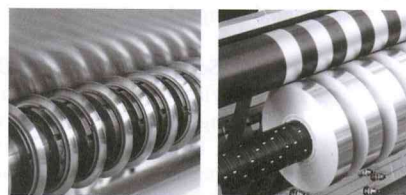
TB-3T2 series are Duplex Turret slitter rewinders specially designed for high production output, fast job changes and low downtimes.

These machines feature automatic turret cycle with automatic transversal splice for job changeover time in less than 40 seconds.



▲ TB-3T2F duplex turret

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