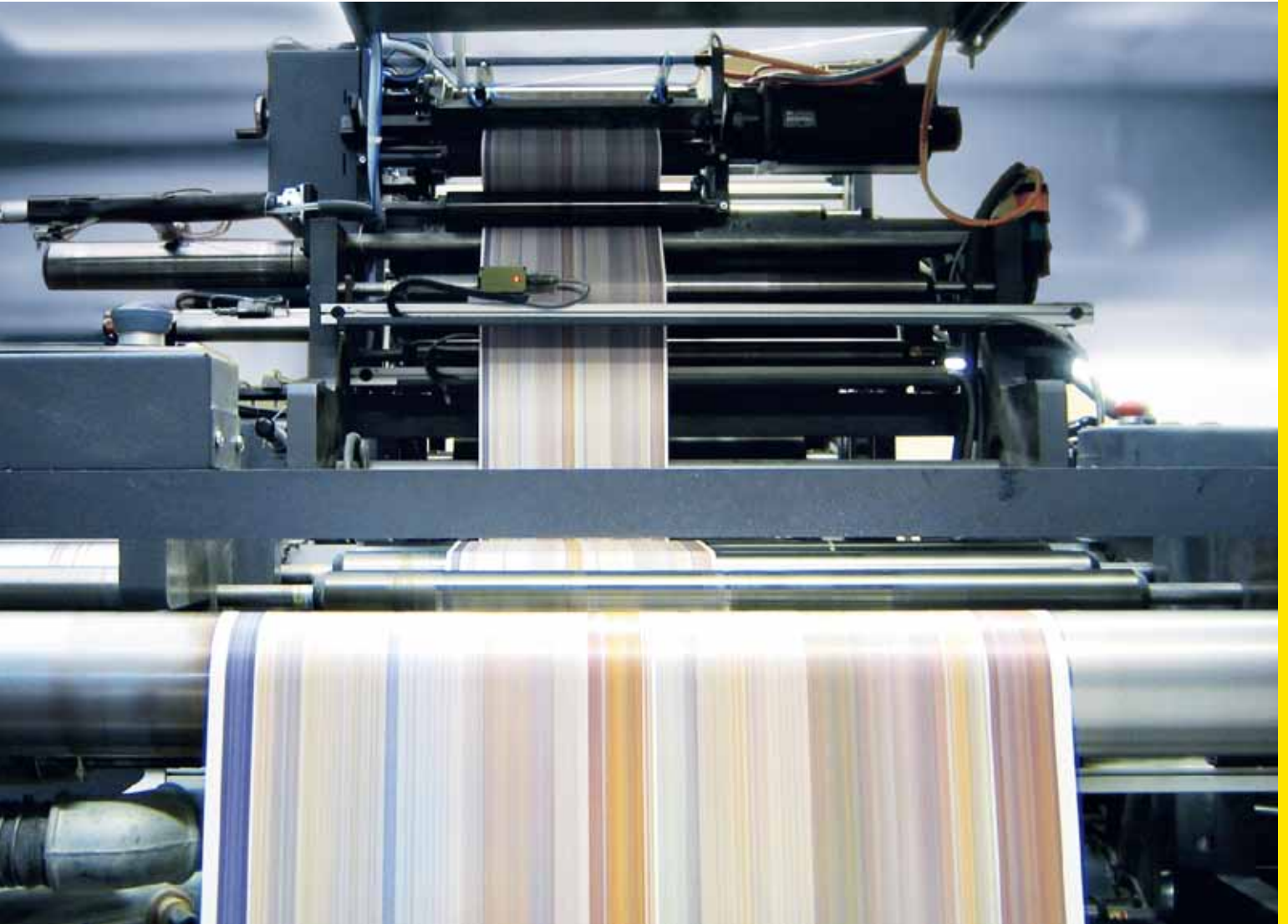


Fold-Gluing



The high-performance system for cross-web gluing

Precise, reliable, unique

QLW – The high-performance system for cross-web gluing

Cross-gluing cylinder

Independent drive with servo-motor

Automatic synchronisation of the speed with the press via a speed signal from master axis or central encoder

Rotor connection at the cylinder for adhesive feeding

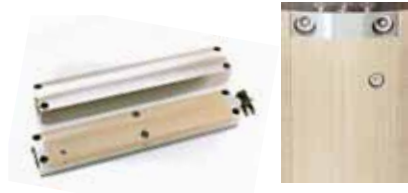
Cylinder with anti-adhesion coating



Gluing inserts

Quickly replaceable

For all common formats



Medium supply

Pressure tank with a capacity of 50 kg for adhesive with integrated filter



Operating panel

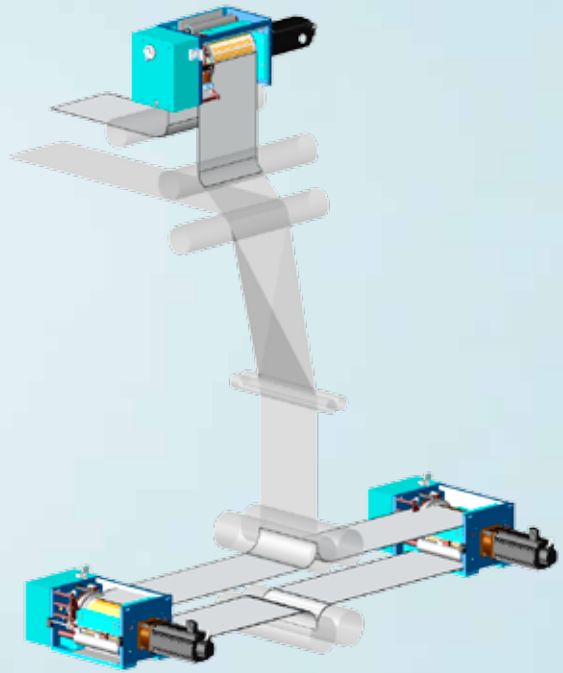
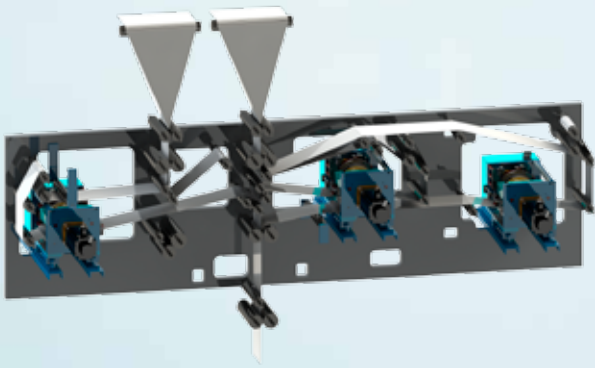
Multi-line LCD display

Central operation from the system cabinet and/or from the press control desks

Clear menu guidance for programming of system parameters

Further operating panels optional





Configuration examples

Schematic lay-out of cross-web gluing with three gluing systems for realization of A3, A4 landscape or A5 products

Cross-web gluing systems are used for inline gluing of printed products in short-grain size. Fine glue lines which consist of rows of tiny glue dots are applied cross-wise to the paper web.

With a combination of several cross-web gluing systems, printed products of e.g. 8, 12, 16 and 32 pages can be glued register-true in the fold.

Our cross-web gluing systems help open up new markets for special printed products. Planatol is the only manufacturer world-wide offering this sophisticated technology.

Features

- Gluing performance of up to 70,000 cylinder revolutions per hour
- Synchronous drive with servo-motor
- Synchronization via virtual or real master axis of the press
- Closure control with an inner cam guarantees highest functional safety
- Medium supply from 50 kg pressure tank
- Matching Planatol adhesives
- Remote diagnosis and maintenance

Individual configurations

Every project will be adapted individually to the web travel in the folder. Where suitable requirements are not given, they can be realised by modifications and retrofits.

Technical data QLW

Adhesive application	contact application
Maximum web speed	15 m/sec. or 70,000 cylinder revolutions/h
Available cylinder circumferences	8-page press: 444, 451, 452 mm 16-page press: 578, 598, 620, 625, 630 mm 24/32-page press: 876, 890, 900, 940 mm with double circumference up to 1,260 mm
Average adhesive consumption	6 grs per 1,000 copies 8 pages A4
Paper weights	40 – 100 grs/sm
Quantity of cross-glued lines	two cross-glued lines maximum per cylinder circumference
Operation	multi-line LCD display, membrane keyboard
Languages	four languages can be selected via menu
Quantity dosage	adjustable adhesive dosage valve
Communication between operating panels and peripheral component groups	CAN-Bus
Speed signal	via central encoder or master axis encoder
Adaptation of adhesive pressure to the press speed	characteristic curve control
Maintenance functions	remote diagnosis and maintenance
Adhesive container	pressure tank 50 kg
Protection class control cabinet, peripheral component groups	IP65
Voltage	400 VAC
Frequency	50 Hz
Water supply	1/2", min. 2 bar, max. 8 bar
Compressed-air supply	1/2", 6 bar

Subject to technical modifications.

System and adhesive from one source

The adhesives Planatol QLW which we especially developed for cross-web gluing distinguish themselves by high adhesive tack and environmental friendliness. They ideally meet the requirements of cross-web gluing: they entirely clear the glue openings and do not sprinkle. All commonly used paper grades can be glued.

Learn more about adhesives from our brochure "Planatol Fold-Glues".