

COMBIJET[®] 9NET

Fold-Gluing



The high-performance system for longitudinal gluing
and fold-softening

Precise, reliable, fast and effective

PLANATOL SYSTEM

Combijet 9NET – The high-performance system for longitudinal gluing and fold-softening

The fold-gluing system Combijet 9NET is the modern solution for longitudinal gluing in web printing.

Features

- Application of adhesive and fold-softening agent in contact to the paper web
- Exact intermittent longitudinal gluing and continuous fold-softening at all speeds
- 80 applicator heads maximum
- Snap-fastener for quick replacement of the applicator head without tools
- Thin glue line applied through nozzles made of wear-resistant ceramic
- Separate quantity dosage for each applicator head
- Gluing or fold-softening with one applicator head
- Motorized axial adjustment of the applicator heads with path-measuring system and feed-back to the control for accurate repeat positioning
- Web edge scanning optional
- Glue line monitoring optional
- Medium supply for adhesive from 2 x 30 kg canisters by means of double diaphragm pump with tank switch-over, alternatively connection to container
- Medium supply for fold-softening agent from 1 x 30 kg canister by means of piston pump
- Flexible supply hoses from the system cabinet to the head control
- Fixed piping optional
- Automatic flushing and cleaning system
- Non-stop production with filling level control and automatic tank switch-over
- User-friendly operation via touch screen
- Remote diagnosis system
- Operator's manual included in the menu of the operating panel
- Link to press control desk



Configuration example

Schematic lay-out of longitudinal gluing in a web press with one folder and 6 applicator heads

Innovative techniques make the glue application in the folder precise, reliable, fast and effective; this helps you save time and costs. Precision and reproducibility at maximum speed, short set-up times and a high degree of automation are the outstanding features of the system.

System cabinet Combijet 9NET with touch screen

Compact structure with integrated control and medium supply



Medium supply

Maintenance-free double diaphragm pump, with adhesive feeding proportionate to the consumption

Piston pump for feeding of fold-softening agent, for fold-softening and cleaning of the system

Filter for adhesive, fold-softening agent and water

Self-supporting and pull-out bottom, the plastic canisters can easily be placed onto it, with integrated weighing technology for filling level control

Automatic switch-over from one canister to the other, when one is empty

Connection to all commonly used containers optional



Operating panel

Logically designed touch screen

Central operation from the Combijet system cabinet, from the additional operating panel or from the press control desks

Clear menu guidance for programming of system parameters, setting of glue line patterns and positioning of the applicator heads

Further operating panels optional





Applicator head

Compact structure

Exact intermittent application due to minimum distance between opening and closing point

Ceramic nozzles extremely wear and corrosion-resistant for contact application

Nozzles for double glue line optional

Web edge scanning optional



Cross-bars

Cross-bars, protected all around against soiling in the positioning mechanism

Individual installation planning adapted to the folder

Applicator heads can be positioned by motor

Repeating accuracy in positioning of the applicator heads with path-measuring and feed-back to the control

Button for flushing of applicator heads and for functional test

Separate dosage valves for adhesive and fold-softening agent



Hand-held control unit

The hand-held control unit can be connected to different places, for positioning and flushing of all applicator heads



Technical data Combijet 9NET

Adhesive application	contact application, intermittent, up to eight glue lines per cylinder circumference
Fold-softening application	continuous contact or non-contact application
Quantity of applicator heads	80 max., several folders possible
Nozzle diameter	gluing and fold-softening with contact application and nozzle diameter 0.5 mm further nozzle diameters available
Maximum web speed	20 m/s
Shortest glue line	15 mm
Shortest possible interruption	15 mm
Average adhesive consumption	0.6 kg / 100,000 glue lines A4 (depending on adjustment and paper quality) adhesive type DKA 1020; nozzle diameter 0.5 mm
Axial adjustment	motor-driven, programming of asymmetric paths possible
Vertical adjustment	motor-driven in the folder and former; in the superstructure optional
Operation	touch screen 15", integrated operator's manual
Quantity of programmable glue line patterns	150
Languages	many languages available in the system, among others Chinese and Japanese; up to eight languages can directly be selected
Quantity dosage	adjustable dosage valve with separate setting for adhesive and fold-softening agent
Communication between operating panels and peripheral component groups	Ethernet
Cleaning functions	head flushing, automatic final rinsing, system flushing, filling
Communication with the press control desk	Ethernet
Speed signal	via central encoder or master axis encoder
Adaptation of adhesive pressure to the press speed	characteristic curve control
Maintenance functions	extensive maintenance functions, remote diagnosis
Adhesive container	2 x plastic canisters 30 kg each (automatic switch-over), other containers optional
Container for fold-softening concentrate	1 x plastic canister 30 kg
Protection class control cabinet, peripheral component groups	IP65
Voltage supply	100 – 240 VAC, 380 – 480 VAC +/- 15 %
Frequency	50 / 60 Hz
Water supply	G 1/2", G 1/8"; min. 1 bar, max. 6 bar
Compressed-air supply	G 1/2", G 1/8"; 6 bar

Subject to technical modifications.

System and adhesive from one single source

As manufacturer of machines and adhesives we create the prerequisites for trouble-free running systems with exactly coordinated developments and high production quality. The formulas of our adhesives (viscosity, solid content, special sieving) are adjusted to processing from smallest nozzles at highest speeds.

Learn more about adhesives and fold-softening concentrates from our brochure „Planatol Fold-Glues“.



Fold-glues and fold-softening concentrate