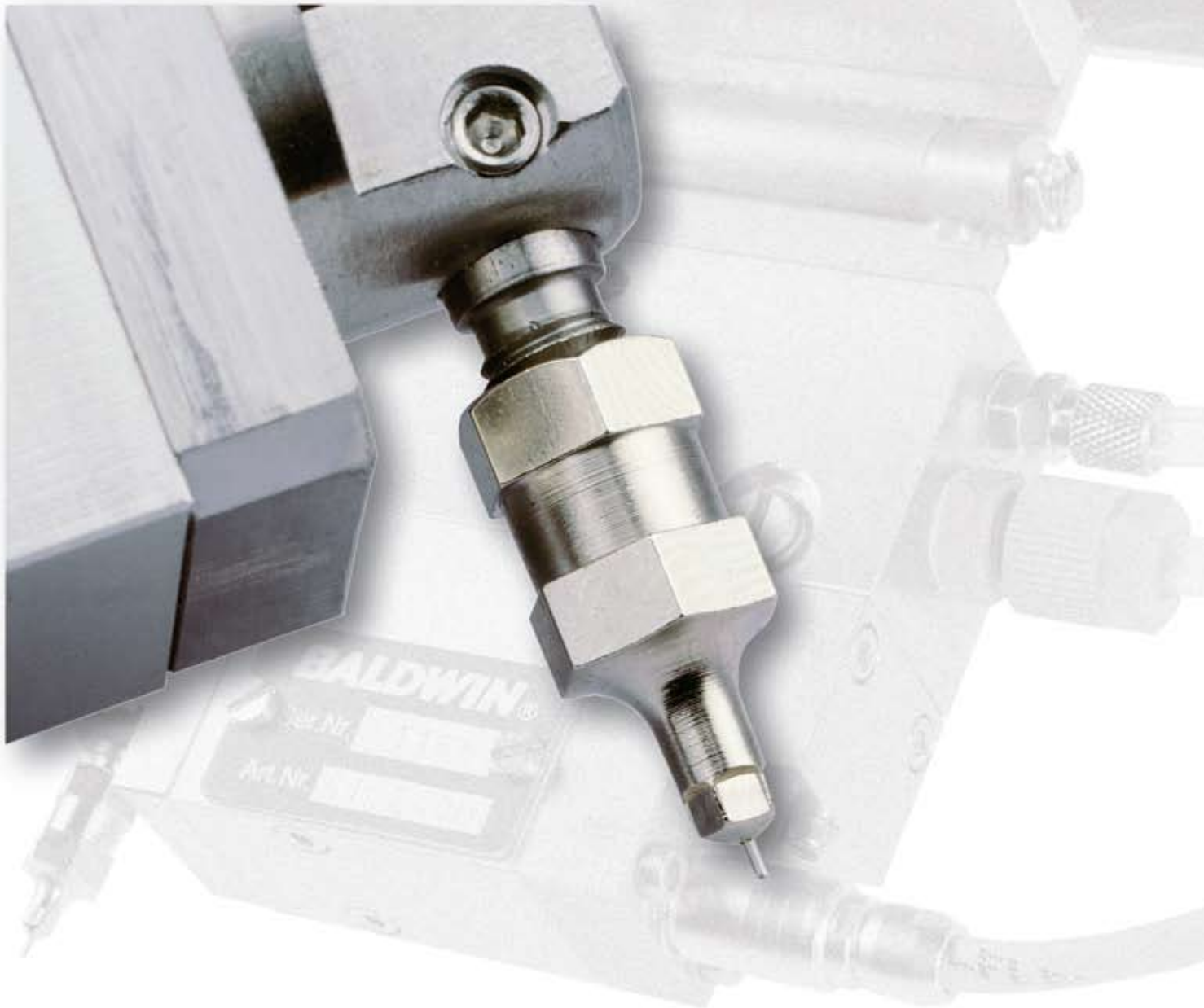


MicroSet 497

Intermittent Inline Fold Gluing
with Integrated Folding Aid

Web Accessories



BALDWIN®

MicroSet 497

Versatile and precise inline longitudinal gluing

With the contactless MicroSet systems, BALDWIN offers solutions which are both progressive and well-accepted for longitudinal gluing on web presses at high production speed. The inline gluing unit MicroSet 497 applies a continuous or intermittent glue line on the web in the running direction. Moreover, a folding aid for

*Touchpanel of the
MicroSet 497:
Input of individual
glue patterns*



without folding aid

with folding aid

Applicator head of the MicroSet 497



Versatile and precise inline longitudinal gluing

Intermittent glue application is standard with the MicroSet systems. The printer can select and program several glue patterns. Several application advantages result from intermittent glue application:

- Perfect and clean production in the folder and the in-line processing units
- Continuous glue application thanks to the Non-Stop System
- Increased production speed and prolonged useful life of the knives used for three-sided trimming
- Reduced build-up of glue at the perforation and the cutting knives thanks to matched gaps in the glue line

Integrated folding aid, to be switched in parallel to gluing

With the MicroSet 497 the fold softening functions can be selected. Thus the fold softening solution and the glue can be applied simultaneously. So when, for example, two application heads apply the fold softening solution at determined points, glue can be applied at the same time at a different position.

Due to the use of dispersion glue the fold softening effect also takes place when gluing is in progress. The fold softening solution is prepared by the MicroSet systems during operation by adding a fold softening concentrate to fresh water.

Application heads: Precise in function, easy to operate

The application heads of the MicroSet systems are mounted to clamping crossbars in the folder.

The MicroSet 497 offers remote control adjustment of the application heads over a maximum distance as a standard feature. This reduces make ready time and increases production.

Each applicator head is provided with one valve only. This high-speed valve guarantees uniform gaps in the glue line at all feasible production speeds. Application of glue and fold softening solution to the web is done by precise MicroJet nozzles, available for different glue line application widths.

A number of automatic functions ensure reliable operation of

MicroSet 497

Precise in function and
easy to operate

moistening the fold, also called fold softening, can be cut in optionally. The folding aid improves the folding accuracy and provides smoother delivery of the products in the pile. Thanks to ease of operation by a menu-driven touchscreen and fully automatic cleaning programs, the press operators are offered maximum convenience.

the applicator heads for continuous service.

Automatic cleaning of the applicator heads is provided before start of production, at press stop, during blanket washing and at the end of production. During production manual cleaning is possible.

Inline fold gluing with system – all in one cabinet

With the inline fold gluing system MicroSet 497, the electronic control, all metering and filtering devices as well as the MicroPac glue box and the fold softening storage tank are combined in one cabinet. A touch panel displays all functions and operating modes, for example, the filling level of the tanks or the graphic and numeric indication of the application heads' position, which can be adjusted by steps of 0,1mm. BALDWIN supplies MicroLine glues and fold softening additives adapted to the MicroSet systems in containers of different capacities.

MicroSet 497

- programmable glue patterns
- 16 pre-set glue patterns
- 16 glue patterns per job (maximum 100 jobs storable)
- Storage of production modes possible
- Control of the amount of glue
- Glue tank MicroPac recycable
- Press speed up to 18 m/s
- Glue pressure up to 6 bar possible
- Application head position can be altered or position stored from the central control console
- Operation also possible in backup mode: manual operation of the MicroSet is also possible when the connection to the central control console is interrupted
- Position of application heads are shown on the control display
- Glue container optional

*View onto the
open cabinet:
Userfriendly
touchscreen
and recycable
glue-box
MicroPac*



*Motorized adjustable
applicator head on a
clamping crossbar*



*Diaphragm
pumps in the
MicroSet 497
cabinet*

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