

Solutions for print finishing

Cold glue

Electrical and electro-pneumatic cold gluing guns ensure rapid, precise gluing in the shape of dot, line, coating and spray application. Pressure tanks with volume between 1 and 15 l are used for simple and inexpensive glue delivery systems for low viscosity adhesives designed for pressures of up to 6 bar. For higher viscosities adhesives, or for increased glue consumption, 2:1 or 6:1 piston pumps are available with attachments to 30 kg glue tubs.

Controller technology

Baumer hhs glue pattern controllers can be retrofitted to existing machines from any manufacturer. The sensors and encoders supplied acquire all controller input variables. The controller then opens the glue application guns in a very short time sequence on the basis of the input signals. This results in a constant glue pattern in series production. The controller and the machine can exchange further information electronically in both directions.



Hotmelt glue

In addition to the new melters, the Xmelt® family of carefully matched systems consists of temperature-controlled hoses and a wide range of application guns with mounting brackets and nozzles to suit all possible requirements. The inbuilt intelligence makes it possible to optimise the necessary system settings automatically. The gun selection parameters include fine dot application, line application, coating, multi-head applicators and Spiramelt fine swirl application. Thanks to its modular structure the system continually adapts itself to your needs.

Quality assurance

Baumer hhs quality assurance components are optimally matched to the needs of the market. Regardless of whether it be glue control, code reading or the ejection of defective products, the components fulfil all requirements for practical operation. The QA systems combine gluing, glue monitoring and code reading in one system with central interface touch screen. These systems are equipped with a two-stage error warning system: The first stage is a visual alarm for defective products, with additional ejection or marking at the end of the station, depending on requirements. The second stage is a feeder stop activated if a preset amount of consecutive errors occur.

Everyone talks about development and innovation - Baumer hhs puts them into practice

The requirements of economic efficiency and precision in folding machines and sheet fed processing require a well designed and engineered system. Whatever your application, be it spine gluing, mailings, envelopes, presentation covers, cards and product samples, card lamination, auxiliary, composite or side gluing – Baumer hhs designs and produces the technology that ensures permanent competitive advantages for you. It is our desire to realise present and future production solutions that are beyond existing requirements. Technological advantages coupled with reliability secure the success that you need.

Modular structure and individual solutions guarantee the meaningful extension of your value creation chain for now and in the future. Baumer hhs places its motivated team of experienced specialists at your disposal, which will provide you with reliable, expert advice on all questions regarding glue application and quality assurance. We

at Baumer hhs consider precision, as a manufacturing principle, and superior service to be the bases of your success. With this in mind, our worldwide sales and service network of expert contact partners are at your disposal. We can develop complete glue application systems or extend existing systems to suit your individual requirements.

Future orientated and economic

If you need us, we will be there as quickly as possible. Additionally you can reach our service team via a telephone-hotline.

Everything from one source

We offer you complete solutions for your production.

We train your team

We offer certified training courses for your technicians and users.



Baumer hhs offers an extensive range of glue application and quality assurance systems. For more information, visit www.baumerhhs.com

Fold-gluing and quality assurance in print finishing.
Precision in practice.

A complete system designed for your applications

Cold Glue



The unfolded sheet is glued along half of its length upstream of the first folding unit, then folded into the first seam pocket and grooved or perforated by the cutting shafts of the first folding unit. The formed sheet is then folded at right angles to the first break in the second pocket or knife folding machine and then given a head or foot cut.

Two application guns are necessary in order to make photo or insert envelopes, simple edge-glued mails etc. The folding machine is normally fitted for this purpose with segmented adjustable rollers, with which the required grooves can be produced by adjustable rings in the fold rollers. These segments can be axially adjusted in relation to the position of the application guns.

For example, a very fine row of dots, which is no longer visible in the cut product, can be applied along the edge (in trim) in order to avoid the opening of the folded sheet during the stitching process.

Controller

The C-220 is a two-channel controller. One glue pattern in the form of dots and line application can be programmed for each gun. The C-420 is a four-channel controller. One glue pattern with maximum of two gluing sections in the form of dots and line application can be programmed for each gun.

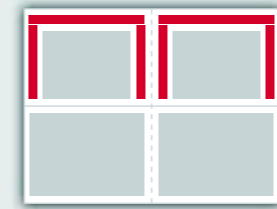


The XT series controllers are available as 4, 8 or 16-channel controllers or as an 8-channel device with glue monitoring. All XT controllers are fitted with a 5.7" colour touchscreen with each channel programmable independently and with up to 15 gluing sections. The XT-CR 2-channel code reader is a comprehensive control system for contrast and EAN codes.

The XTS series is a modular quality assurance system that can consist of gluing, glue monitoring, code reading and ejection control systems. The system components can be combined as desired.

Hotmelt Glue

Single row, U and double U-gummings can be produced with the HP-500-F coating gun. A mailing product usually consists of an information part and a reply part, to which the remoistenable gumming is applied. The information part of the mailings can be separated along the perforation and retained. The reply part can be filled in, moistened, sealed and dispatched.



Pick & place units are used for application on three-dimensional objects. Peelable hotmelt adhesive is used for these applications in order to be able to release the finished product from the carrier paper without fibre tears.

If an inplate is used, then segmented rollers or the repanning of the rollers is not necessary, since the product is closed before it runs into the roller mill of the machine. Only the pocket run-out or pocket lip needs to be processed. Dot application is very accurate with no stringing or other contamination of the machine.

Quality Assurance



Cold glue application can be monitored in dot or line mode using the Baumer hhs glue monitoring system. The system monitors the position and the product length. This prevents products with gluing errors or incorrect product from reaching the end customer. For this purpose the machine can be stopped to allow the removal of defective products.

Code readers can read EAN, Pharma or barcodes, only to name a few as an example. The controller compares various parameters, such as bar width, bar spacing and the position of the code with a pre-programmed reference code. If differences are detected here, then the machine can either be stopped or the defective product can be ejected without stopping production.

The implementation of a camera system with up to 2 cameras for verifying codes against a reference code such as 2D Datamatrix code, Pharmacode or also EAN code. In addition to checking the code, the camera system is used for image comparisons as well as the checking of blank sheets.

Unlike single solutions, the camera system can be integrated in an existing Xtend³ system, so that components such as gluing, glue monitoring and code reading can be operated uniformly and conveniently from a touch screen. Thus only one controller is required to track and eject the defective products as well as to compile overall statistics, significantly reducing set up time and product waste.

At a glance

- Precise, uniform gluing at all speeds
- No contamination of rollers and pockets
- Modular structure of application heads, controllers and glue delivery system
- Wide range of possible applications with high product quality
- No impairment of speed and sheet running
- Minimum setup, maintenance and cleaning required

The system components

Cold Glue



V-500 cold glue application gun



D-500-W waterscoring gun



KDB-1 small pressure pot



DB-15 pressure tank

Hotmelt Glue



Xmelt hotmelt melter



HP-500 hotmelt application gun



HP-500-Remoist hotmelt application gun



HME-500 hotmelt dot gun

Quality Assurance



HLT-300 hotmelt sensor
ULT-300 cold glue sensor



KT-10 code reader
SB-10 blank sheet sensor



Scan-300 code scanner



Camera
Code, blank sheets, image

Control Engineering



C-220, C-420, XT-E controllers for up to 16 guns



C-BS one-sided print detector



XT-CR Code reader



XTS Integrated QA system

