Glue-Tech Auto-1420

AUTOMATIC SHEET TO SHEET GLUING SYSTEM

Features and Capabilities include:

- Eliminates the need for expensive cohesive papers and labor intensive manual gluing
- Automatic top and bottom sheet feeding
- Paper type and size flexibility
- Up to 1,500 glued sets per hour
- Full color touch screen interface
- Automatic glue level sensor and pump
- Uses eco-friendly water soluble glue
- Cost effective

video

Introduction

THERM-O-TYPE
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Glue-Tech Auto-1420

The Glue-Tech model Auto-1420 is a unique sheet-to-sheet gluing machine which provides customers with an efficient and cost effective method of producing thick printed products.

Auto-1420 features include: automatic top sheet feeding, 13.5" capacity offset press style air feeder and full length registration table for the bottom sheets, a touch screen computer control, 14" x 20" maximum sheet size, precise glue application, accurate registration between the top and bottom sheets, top and bottom sheet position sensors, glue level sensor and pump, vacuum clean up system and a throughput speed of up to 1,500 glued sets per hour.

When producing 36 pt. business cards, for example, customers print two 18 pt. sheets, then glue the sheets back-to-back.

Gluing sheets together, using Glue-Tech equipment and eco-friendly water soluble glue, is dramatically less expensive compare with cohesive papers.

In addition, while cohesive sheets are only available in a very small range of papers and paper sizes, gluing sheets, using Glue-Tech equipment, an almost unlimited range of papers can be used.

Cohesive papers require special processing to activate the adhesive coatings between sheets, typically before or during the guillotine cutting process. Sheets that are glued together, using Glue-Tech equipment, do not require any special handling and can be guillotine cut or die cut after gluing.

When operating the Glue-Tech, the bottom sheets are automatically fed from a suction feeder into a full length alignment table. Aligned sheets are gripped by a pair of pinch rollers that advance sheets into the gluing section of the machine. A controlled amount of glue is applied to the top surface of the bottom sheet. As the bottom sheet exits the gluing section, a vacuum conveyor controls and advances the sheet to a head stop.

A top load/bottom feed, friction feeder advances the top sheet to a registration head stop. The top sheet feeder can be loaded while the Glue-Tech is running.

Once sensors confirm the position of the top and bottom sheets, the sheets will cycle past the head stop and advance into a pair of rollers which squeeze the top and bottom sheets together.

Glued sheets are then collected on a delivery tray.

Thick Printed Products:

There is a growing market for thick printed products and these products command premium pricing.

Most current digital printing equipment can not print on papers thicker than 18 pt. (0.018"). To create thicker products, it is necessary to print two sheets of paper and then bond the sheets together to achieve the desired product thickness.

Business cards, tags, packaging, and many other products are currently being produced up to 36 pt. (0.036") thick, and in some cases, even thicker.

Due to the premium value of these products, such as thick business cards, they are often sold in relatively small quantities. For example, while 15 to 18 pt. thick business cards are usually sold in 250 to 1,000 quantities, 34 to 36 pt. thick business cards are commonly sold in quantities as low as 100 cards.

In the case of business cards and tags, paper thickness is equated with quality and luxury, and creates a unique product "feel".

Used in packaging, in addition to creating a high value "feel", products produced with thicker stocks provide additional rigidity and durability.

In all thick products, using multiple sheets glued together, designers have the opportunity to combine various paper types, colors and finishes, in unique combinations to further enhancing product value.

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