



Error Impossible...

our GC 1-1 V2.0 solution

Glue control system

The innovative thermo - graphic glue control system from WST for adhesive bound products
New feature - Now available with glue thickness detection! Over 100 sold already!

The idea

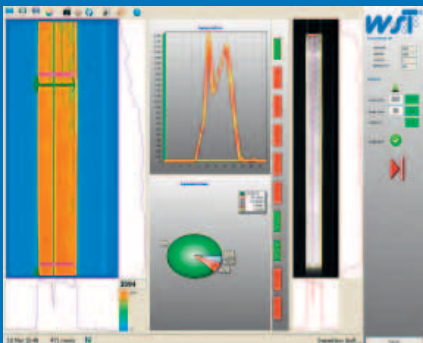
This system is designed to ensure and control the high quality of adhesive bound products. After having passed the different milling cycles, the spine of the signatures will be applied with different kind of adhesives (PUR or Hotmelt). The application is performed by using either an extrusion- or a roller application technology. Due to e.g. clogged nozzles, filters or blocked doctor blades it cannot be excluded that the glue application breaks off, i.e. that a part of the spine is not glued. This leads in the end to detached pages or even complete products falling apart. Furthermore the **GC1-1 system** helps reducing paper waste and eliminates your customer complaints. To absolutely ensure a perfect glue application, we support your processing by the especially developed glue control camera system **GC1-1**.



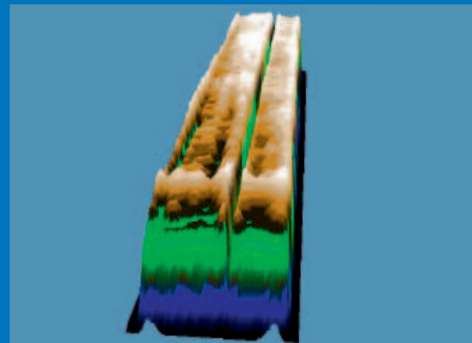
Thermo - graphic camera

The concept

After the learning procedure, each glued product spine is inspected by our **GC1-1 camera head**. The camera monitors the amount of energy on each product spine through dynamic reading from the distance. The **GC1-1 controller** signals every glue coverage (area, length and size) error on the spine to the control system. The operator will receive a warning on the control system and other optional solutions for the machines are available as well. Furthermore the faulty products are recorded and filed as picture files on a mass storage device. An external access to the **GC1-1 system** is possible using the existing USB or LAN network hardware interface .



Glue Control view at the IPC display



3 D view of the faulty spine with PUR

830 Richard Brown Blvd. Volo, IL 60073
T 941.350.4766, F 941.927.5934
sales@printfp.com

WST - North America
www.printfp.com

The **WST** family of post press sensing and control systems are designed to eliminate human errors and drastically reducing costs.

The modules

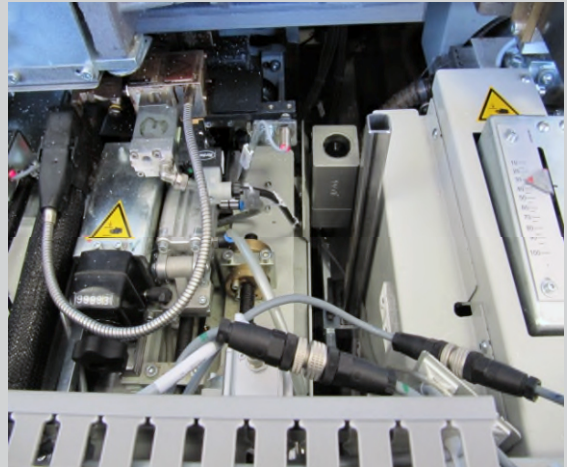
Upgrading a perfect binder to the **GC1-1 system** can be realized very easy and quickly. Our camera monitoring system is mounted on to an individual holding device, below the straight running binder clamp. A high power central computer with special **WST** software is connected to the camera and is responsible for the evaluation of the incoming data and the control of the complete system. The setting of the system is made very easy by using a modern touchscreen for the well arranged and user friendly menu navigation.



Our centrally controlled **Glue control** system has been implemented into a perfect binder

The application

Due to its compact structure and high performance the **GC1-1 glue control system** can be quickly integrated in most perfect binders.



WST camera installed underneath binder clamps

The result

WST's GC1-1 control system for perfect binders provides an optimum product monitoring of your products as well as an increasing productivity and profit maximization. Upgrading this application with the image- and/or bar code-based **WST** control systems in the gathering machine, increases the quality of your production process. Thus you can also completely exclude the risk of mixing up any sheets. A reduced number of waste and fewer customer complaints as well as a higher grade of satisfaction on both sides will be the logical result.

WST, a German based company was founded in 1975 and is operating worldwide, manufacturing signature recognition systems. **WST** was the first German company that developed a zonal sensor: (formally known as "Opticontrol") today available as "**OSC OPTO-SENSOR-CONTROL**"
Print Finishing Partners is the exclusive agent for **WST** in North America.