



Error Impossible...

our OBC solution

OBC OPTO-BARCODE-CONTROL

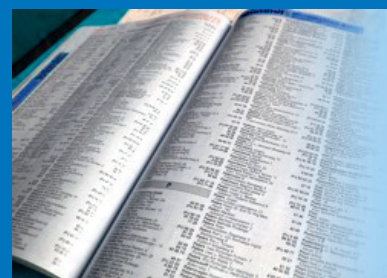
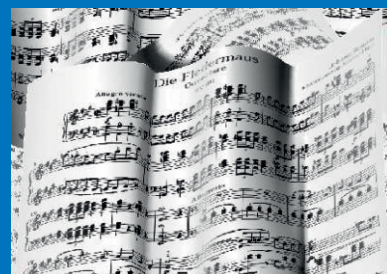


The idea

The **WST** family of post press sensing and control systems are designed to eliminate human errors and drastically reducing cost. Perfectness on gathering printed products supported by barcodes. Which line of business still works without barcode these days, particularly where quality is the most important factor? Who really checks the receipt after shopping in the supermarket or does not trust the package insert of prescriptions? The barcode has given us the only one hundred percent protection on gathering, saddle stitcher and folding machines. We apply this system to any state-of-the-art finishing departments.

The concept

Every printed signature is provided with a barcode and is checked for correctness during the gathering process. Mixing up is absolutely impossible. The concept seems to be stunningly easy, however, it requires both a particular reading procedure patented by **WST** and an especially narrow barcode, which is placed in the trim area of the printed products. We have created these pre-conditions. The just 2mm respective barcode is generated very simple in the pre-press stage whereas each printed signature is marked individually. Reading heads record each individual printed sig during the gathering process and identify it as either correct or wrong signature. There are no stages between. Special image sections for the recognition of a sig are not necessary. Settings of sensitivities, tolerances or the searching of matching sections are unnecessary.



Multilingual Telephone The solution:
instructions directories B A R C O D E

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The application

The **OBC** barcode system can be installed in all commercially available paper processing machines. There is a demand in those cases where conventional systems come up against limiting factors. Telephone directories, itineraries, catalogues, fillings, official gazettes, multilingual operating instructions or pharmaceutical package inserts just to name a few examples. Additionally it is possible to combine the **OBC** system with our **OSC** image processing system, proven and tested for many years. There fore signatures with barcode deliver a 100% protection and without the barcode imprint our image processor will check the sigs optimally. This system, combining image processing and barcode recognition is unique worldwide.



OBC 4-60



The modules

Every station of processing machine is equipped with a barcode reading head. We provide the special holding device. Each reading head is connected to a station processor that processes and evaluates the gathered data. These station processors are placed inside the machine. A **WST** central computer is responsible for the administration and communication within the network. The setting of the system is made very easy by using just one operating button (turning and pressing). We call this system **OBC 4-60**. It can be installed into machines from 4 up to 60 stations. If only a few stations need to be equiped as e.g. in case of a gatherer-stitcher or a folding machine, then we offer the **OBC 1-1** systems. This autarkic system compactly comprises all modules described above in each individual unit.



OBC 1-1

Performance	up to 45,000/h
Barcode height	0,9 or 2mm
Barcode Type	OBC4-60 2/5 interleaved barcode OBC1-1 2/5 interleaved and pharmaceutical code
Digits	4, 6, 8, 10
Lighting	Laser light or LED
Reading distance	variable between 20 and 100mm (model depending)
Reading method	Multiple track reading (MTR)

The result

Based on our forward-looking technologies - the **WST** barcode system **OBC 4-60** or **OBC 1-1** for the paper processing will achieve an optimum in product monitoring. It will be substantially easier to convince prospects of reliability and strengthen the relationship with established clientele. Set up and production items will be further optimized. Increased sales resulting from lower production times, fewer defective goods and returns as well as a higher grade of satisfaction 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.

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