

Presseinformation / Press Release

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DRUPA 2016 - BaumannWohlenberg shows „Cutting 4.0“

In most cases, the area of cutting is heterogeneous: any job structure you can think of can be found there. All companies, which are active in the post print sector commonly face the following problems:

- A (partly) high cost pressure,
- with pretty narrow margins
- and shrinking job sizes
- in conjunction with very short delivery times.

The result is mostly that several jobs must be combined on one printed sheet. Only customers who manage these challenges by rationalizing their production process have a chance to survive in the market.

With the new solution „cutting 4.0“ BaumannWohlenberg primarily addresses all customers who handle a large cutting volume with a cutting time per ream of more than 5 minutes – most of them with a large number of jobs with medium and short print-runs.

The „cutting 4.0“ process is composed of several single processes.

Ream feeding and Job management

The basic idea is simple: One jogging system supplies two or more cutting machines with pre-jogged reams. This is nothing new, in view of the fact that this was done already in the past with the assistance of a central jogging station. What's new is that the automatic jogging unit is directly connected with the two high-speed cutters via a logistic system and a multi-ream rack, which carries out the job management. As a result, transportation and storage of the pre-jogged reams within the company are no longer necessary.

Production flow

Step 1: Jogging

The pile with the printed sheets is put down in front of the fully automatic jogging station BASA. The reams are destacked and jogged, the air is smoothed out with the air-expulsion roller and the ream is finally transferred to the multi-layer rack BMR.

Step 2: Job management

The jogged reams are buffered within the multi-ream rack BMR. Since the multi-ream rack is automatically loaded from one side and unloaded from the other, these two processes do not obstruct each other. The reams buffered in the multi-ream rack are distributed to the two cutting machines. For that, the operators of the cutting machines request the job concerned. The next ream is then available immediately after the last ream of the present job has been cut. There are thus no waiting times..

Step 3: Cutting

Once the job has been selected, the operator takes the job data from the barcode, printed on the sheet and uses it to generate his cutting programme.

A special advantage of the process: The automated ream administration works with every high-speed cutter, disregarding the manufacturer and even with top-end high-speed cutters.

Service

BaumannWohlenberg cutting systems and peripheral equipment of the latest generation are not only able to program and monitor themselves for the specific job, but can also indicate preventive maintenance intervals or activate the required remote services as soon as necessity arises.

„Cutting 4.0 is a very important step towards the networked print shop, which helps to eliminate non-productive and down-times“, says Volkmar Assmann, Managing Director of Baumann Maschinenbau Solms. During DRUPA 2016, this system will be showcased at the stand of BaumannWohlenberg, booth n° A32 in hall 14.

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