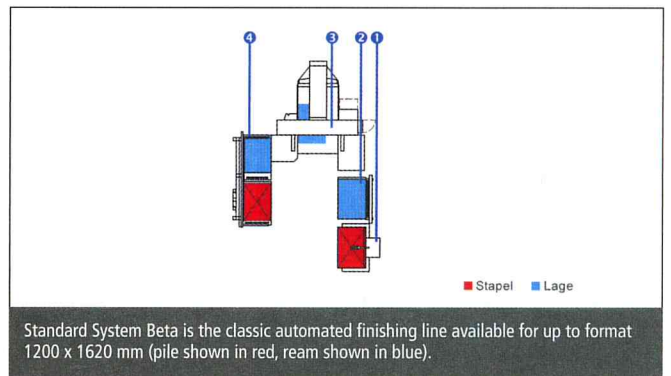
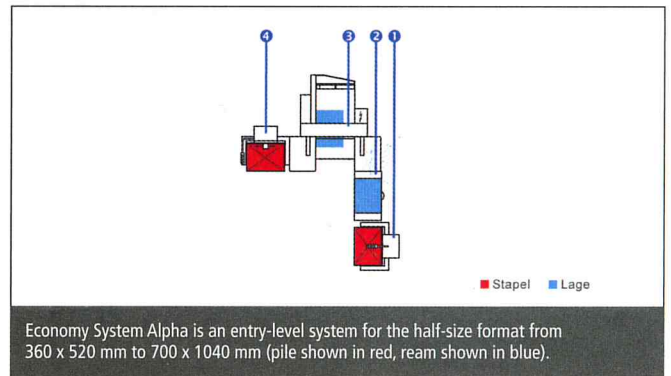


Well-known components – New names

BaumannWohlenberg offers a wide range of finishing equipment for the graphic industry. In connection with drupa 2016, all BaumannWohlenberg finishing systems were given new names, among them the cutting systems ALPHA and BETA which consist of well-known BaumannWohlenberg components that have been combined in order to meet specific customer requirements. Economy system Alpha is an entry-level system for customers who process sheets in the half-size format (from 360 x 520 mm to 700 x 1040 mm) and attach great importance to an ergonomic and spine-friendly production process. It consists of the easy to operate Baumann pile hoist BSH 2 with platform, the reliable Baumann automatic jogger BSB 2 E with manual positioning, the Wohlenberg high-speed cutter WB 92 with a cutting width of 92 cm as well as the easy to use Baumann pile hoist BSH 2-W with adjustable angle stop and platform. System Alpha is a complete cutting system with a very small footprint. Its outstanding features are ergonomic operation, less lifting of heavy loads and semi-automatic handling equipment. Standard system Beta is a classic system for the efficient cutting process. All operations – lifting, jogging, cutting and restacking – are automated. It comprises the easy to operate pile hoist Baumann BSH 3-650 with platform, the Baumann automatic jogger BSB 3 L professional featuring an air expulsion roller that is also suited for difficult materials, in addition the Wohlenberg high-speed cutter WB 115 (cutting width: 115 cm) as well as the Baumann unloader BA 3 N e, a semi-automatic restacker for single and multiple cuts. System Beta is an efficient, classic finishing line. It is available up to format 1200 x 1620 mm.

Baumann Maschinenbau Solms GmbH & Co. KG



Eye – popping effects with gravure technology



H.C. Moog has offered special solutions for printing companies working for the tobacco industry for many, many years and is continuously inventing new printing and print finishing features that can be integrated into the existing machines of its customers. Since the Moog machines are gravure printing machines and sheet-fed, they are especially efficient for short runs. The sheets can simply be turned over and reprinted on the other side, and it is easy to adapt them to printing on the inside of packs, e.g. with the pictorial health warnings that are now required in the EU. One of the most popular solutions to overcome concerns about limited branding space is to replace the use of metallized board with high gloss silver ink, a solution which offers many advantages in terms of costs, efficiency and recyclability. Instead of using metallized board for the whole pack that has to be overprinted with opaque white over large areas in order to hide the shine just to print warnings on top, high gloss silver ink is applied only onto those areas of the pack that require it. High-gloss silver can be used on a variety of substrates, it can be combined with different types of primers and varnishes to create either a high shine or matte look. H.C. Moog has even gone one step further. In order to keep the costs of high-gloss silver low, Moog has invented an ultra-low volume ink pan. Normal ink pans in gravure printing machines hold approximately 10 to 12 kg of ink. The Moog pan made for these expensive inks holds just 2kg. Pan change from a big volume to a small volume only takes 10 seconds. No wasted board, no

wasted ink. When it comes to special inks, it is not just high-gloss silver that is growing in popularity. Special pigments, e.g., for holograms are also garnering much attention. When mixed with ink, they produce metallic rainbow effects all over the printed surface. There is also an increasing demand for multisensory packaging. Varnishes or lacquers can be mixed with additives to create tactile effects like "soft touch" or a rubbery texture with the rather new "rubber varnish". Tactile varnish has already been used by tobacco companies for many years. Now they also use tinted raised effect varnishes which are a mix of clear varnish with metallic pigments to achieve a high gloss, raised metallic effect. Scented microcapsules can also be integrated to make packages emit a particular scent. In order to achieve these special effects, Moog cooperates closely with pigment suppliers and cylinder makers as well as with a number of other companies facilitating the technology for RGB printing. RGB printing creates a striking impression and it can also be used for brand protection.

For increased security, Moog technology now offers the opportunity to print in 10,000 dpi. This allows for microcodes and hidden features to be hidden in the print. The presently used digital solutions require the use of special certificated papers and certificated inks, which makes this process costly. Therefore, Moog is working on a digital solution to print conventional ink and varnish on all kinds of substrates.

Added to that, Moog helps its customers adapt machinery for debossing and embossing. In any case, "if there is a demand to do something special, we are ready for it," says Achim Kurreck, CEO of H.C. Moog.

H.C. Moog GmbH