

Innovative die technologies for hot stamping

Hinderer + Mühlich presenting novel die designs and setup aids at Drupa

Fürth/Germany, 26 April 2016: The manufacturer of hot stamping dies Hinderer + Mühlich will be taking part at this year's Drupa as a co-exhibitor with the stamping foil manufacturer Kurz. The company, a member of the Kurz Group, will be presenting its latest die technology developments at the Kurz booth. On display will be novel hot stamping dies for producing a broad range of contemporary stamping designs. The company will also be presenting innovative aids for efficient die mounting.

Designs with ultrafine structures

Hinderer + Mühlich has developed a process for producing novel hot stamping designs. The company's product range already included hot stamping dies for microembossing, which creates very fine structures. The new process enables the company to manufacture dies for nanoembossing. These can be used to implement even finer structures, and to incorporate gradients and matt finishes, photographic effects or flip-flop effects. The creative possibilities are virtually endless. When applied to a hot stamping foil, these effects can produce visually and tactilely attractive contrasts. Several types of structures can be incorporated into one and the same stamping die, thereby creating refined stamping designs with novel combinations of effects.

In addition to nanoembossing, the company will also be presenting new designs incorporating macrostructures, microembossing and artistic reliefs.

Die technologies for shorter setup times

Hinderer + Mühlich will show a range of aids for efficiently setting up dies at Drupa. These include quick setup systems for a variety of stamping machine types where all the stamping dies for a sheet are pre-mounted on a carrier plate. The carrier plate is then simply positioned on top of the base plate of the relevant machine. Fine adjustments can easily be performed if registration or sheet distortion problems arise. These quick setup systems provide considerable time savings for repeat stamping jobs.

Further cost and time saving aids to be presented at Drupa include exchangeable inserts for stamping dies. If only small areas of the stamping design change with each repeat stamping job, for example the year number on a wine label, then a replaceable insert can

be produced for this area of the die. A single base die can then be used for the entire series of orders. This markedly reduces material usage, and the changeover of the insert can be performed considerably quicker than for a complete die.

Also on display will be transfer systems for counter dies that allow fast and precise positioning of the counter die relative to the die.

For detailed information on all the available means of simplifying die mounting, visit the Kurz booth D60 in Hall 3.

Kurz will also be represented in hall 3, booth E74, at the Drupa Innovation Park in hall 7.0, booth E10, at the Touchpoint Packaging in hall 12, booth B53 and at PrintCity in hall 12, booth C51.

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Hot stamping tool for extremely fine structured nanoembossing in the motif background



Hot stamping with nanoembossing

Photos: Kurz

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About the companies:

The KURZ Group is a global leader in hot stamping and coating technology. KURZ develops and manufactures decorative and functional layers applied to carrier foils for a large variety of applications. The range includes metallized, pigmented and holographic stamping foils for packaging or print products, surface finishes for electronic devices or automotive parts, protective and decorative lacquers for furniture or household appliances, authenticity features for brand name items, metallic applications for textiles, and different types of coatings for many other applications. With 4,500 employees in eleven production plants in Europe, Asia and the USA, 24 international subsidiaries and a global network of agencies and sales offices, the KURZ Group manufactures and sells a comprehensive range of products for surface finishing, decoration, marking and counterfeit protection, rounded off by an extensive range of stamping machines and stamping tools. KURZ also continuously invests in new technologies, and is developing innovative solutions for integrating functionality into surfaces.

hinderer + mühlich is a renowned manufacturer of stamping dies for the graphics industry and plastics industry. The name hinderer + mühlich is synonymous with quality and precision. The stamping dies made from brass, silicone or steel are used to apply the hot stamping foil – with brilliant brushed designs, chrome imitations, metallized surfaces, patterns, structures and more. Our deep understanding of the processes used in the printing and finishing industry, and the state-of-the-art design of our products makes us a much sought-after contact for designers and manufacturers alike. hinderer + mühlich was founded in 1966 and today employs more than 160 people in 5 subsidiaries around the world.

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