



## mold engraver



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# history

The AKK GmbH is a young company established in 2010. The cooperation with the companies CST GmbH and Kesper Druckwalzen GmbH gives us the needed know-how for the laser and the embossing market.

We also offer the complete technology how to produce and engrave silicon rollers for printing on tiles.

Next to the laser business is the embossing field, where we produce machines for plates or rotary cylinders, special foils and for engraving equipment for molds.

Like our philosophy „YOU PREFER, WE PROVIDE“ we offer to our customer the right way of investment.

## Embossing solutions

We use different kinds of jetting heads to spray an etch resist with high resolution on plates, cylinders, foils or molds. The jetted etchresist protects the material and can easily be taken away after the etching process.

Mask engraver is a very fast and effective solution to produce embossing cylinders. We sold machines into the wallpaper market, car market and for other technical embossing applications. The etch resist is jetted onto the cylinder, plate or foil. The jetted resist acts as an etch resist so that after this process the cylinder, mold or plate can be directly etched.

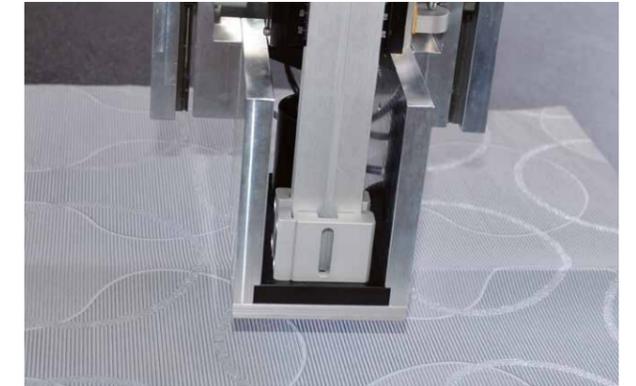


# product



## 3D Scanner

The function of the 3D scanner is to digitize surface geometry. The 8 or 16 bit data may be used to create new textures or for quantitative analysis. The machine uses photometric methods to accurately measure surface profiles up to 3600 dpi and is not affected by surface reflectivity. Custom machine sizes are available to suit the needs of the textile, architectural, automotive and consumer markets.



## Mold Engraver

From scan data or other artwork, patterns are printed on various films with an acid resistant mask or directly onto metal. This mask blocks the acid from attacking the metal. By printing and etching multiple levels intricate surface textures may be created.

Our mold engraver has evolved from heavy production over the last ten years. Our newest technologies enable high print resolution, control of drop size, and printing of gray scale patterns to meet the most demanding needs of industry. The main applications for this technology are automotive injection molds, embossing rollers, plates and general surface finishing operations.

