



MultiDX!

Applications for Embossing with Copper and Magnesium

Pad-printing Clichés or Hot Stamp Plates

For the production of pad-printing clichés and/or hot stamp plates, MultiDX! is equipped with 405 nm UV laser diodes. Any traditional UV sensitive etch resist on copper or magnesium plates can be imaged.

Distance Sensor

Prior to the exposure, a distance sensor measures the thickness of the copper or magnesium plate and the optic system is then automatically calibrated according to the measured value.

Laser Adjustment

The laser performance is analyzed and adjusted if necessary before every exposure. This guarantees an absolutely equal quality during the entire exposure process.

Dynamic Focus

The standard version of MultiDX! includes a dynamic focus system. It is used to compensate any irregularities in the thickness of the copper or magnesium plate up to 0.5 mm at full exposure speed.

No Loss of Detail

As opposed to traditional exposure on film, the direct exposure on copper or magnesium plates by means of laser diodes guarantees unmatched sharpness of the image. MultiDX! 220 UV is able to produce 30 micron lines and to defeat undercut issues.

BASED ON INNOVATION.

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