

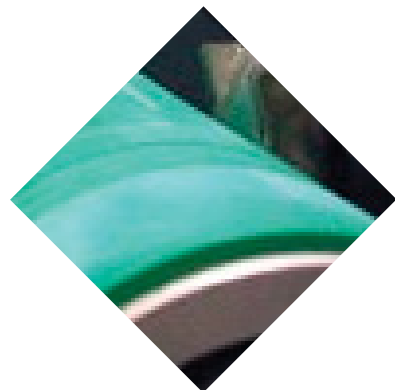
## The Benefits of Direct Laser Engraving with AVCE are Extraordinary.

AVCE direct engraving material is specifically designed for state-of-the-art laser engraving systems, like those manufactured by SPGPrints. Processing plates and sleeves digitally eliminate the need for film processing, exposing, traditional solvent wash and long drying times. Added benefits include better quality reproduction over longer runs, simple changeover, reduced errors, fast turnaround, more economical and more environmentally-friendly plate production.



AVCE is a true polymer material so pre-exposure (required with photopolymer) is not required. This amazing new material is immediately ready for engraving. AVCE lets you control the engraving parameters that affect dot shape and support, producing precise results which can be changed to match printing requirements. The ability to directly engrave AVCE impacts all three dimensions of the image being reproduced into the printing plate.

Plate relief becomes more shallow and stable since AVCE can be engraved precisely in the third dimension with up to 12-bit digital resolution. The parameters of total relief depth and dot support within the plate are not fixed as physically given with UV exposure. They are operator controlled and adjustable to the density in the design. At the same time, AVCE direct engraving material provides optimum reverse depth in the image without the need to adjust overall plate relief.



### DRY OFFSET

- Approximately 30% faster processing
- Ideal with UV, solvent and water-based inks
- Excellent ink transfer
- Prints up to 200 lpi when processed with Stork engravers

### LETTERPRESS

- Approximately 30% faster processing
- Ideal with UV and oil-based inks
- Excellent ink transfer
- Prints up to 250 lpi when processed with Stork engravers

# The Benefits of Direct Laser Engraving are Extraordinary.



## DLX

The DLX (Direct Laser eXposer) is a customized CTP solution for the dry offset industry and is equipped with a multibeam laser system for ablating black mask materials. This system is designed for those customers that require an economical, high-quality solution where DLE plates were not required. A unique integrated inline exposure system with parallelized UV-light delivers higher quality and steeper shoulders, allowing cleaner printing results and larger tonal ranges compared to other UV exposing techniques. The system includes a unique RIP with features specially designed for the dry offset industry, such as “remove overlay” and “frame-up”, in order to minimize colour contamination during printing.



## Helios

The Helios Direct Laser Engraving system allows dry offset, flexo, rotary screen, and letterpress plates to be digitally engraved in a single step. No solvent processing, no chemicals to be handled and stored. Dry offset and label printers can now produce the highest quality print with a shorter, simpler process with less chance for errors. Overall response time is reduced for increased flexibility in meeting customer demands with no compromise in quality. Features include a database driven active 3D RIP system for relief printing forms to produce the optimal shoulders of the image. This results in excellent quality without special software tricks.



## Orbital X Technical Specifications

The Orbital X is a multi-function plate processor for water-wash plates up to either 12”x18” or 25”x30”. It is simple to use, versatile and ideal for crowded working areas. This stack-style processor features an orbital washout, exposure section, a three-drawer dryer and optional detach section. Components are easily accessed from the front. Features include a stainless-steel washout section to prevent corrosion, a dual orbital-action platen for efficient washout, digital timers for accurate washout and exposure, vacuum pump and electronic solid-state ballasts. A thermostat controlled, three-drawer dryer uses forced hot air for efficient plate drying.



For 60 years, A&V has supplied materials and equipment that are good for you and good for the environment

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