

DieJet 1212

Precision DTP (Direct To Plate) Inkjet Plotter



With the use of the DieJet we offer an economic production of flexible dies, which features now and for the future an efficient workflow by a secure investment.

Industrial Technical DTP Print Application

The DieJet DTP machine of Anderson Europe GmbH is specifically performed for producing precision and distortion-free flexible dies for the rotary and flatbed cutting industry. This innovative application is worldwide capable by all manufacturer of flexible dies.

Traditional way of production:



Innovative DieJet process:



Workflow

The above illustration shows that by the implementation of the 'Innovative DieJet Process' necessary production steps are substantially reduced - compared to the traditional way of production.

Precision Flexible Dies

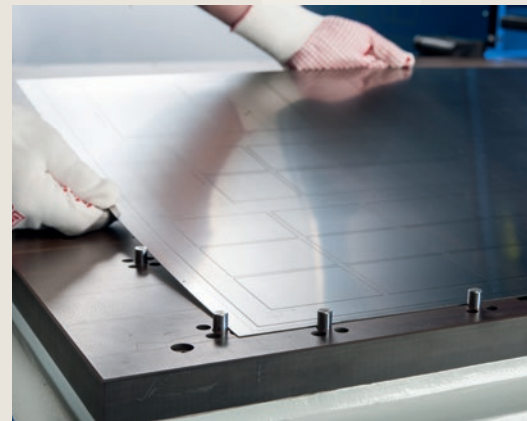
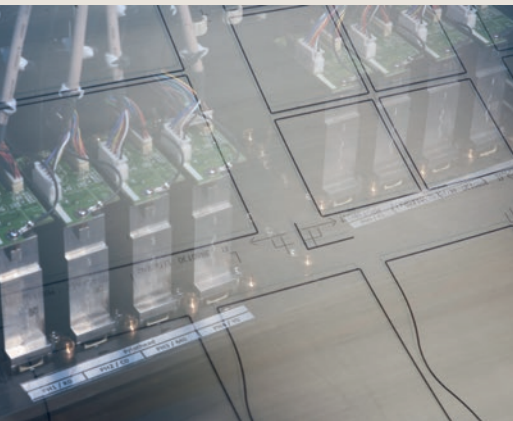
Dedicated spring steel blades are used for the production of precision flexible dies. These sheets of steel needs to be provided for the further manufacturing process totally oil and grease free. During the ongoing process, the DieJet 1212 prints direct the required contours on the surface of the steel sheet. The high quality printing result combined by the use of our specifically kind of UV light curable ink and the 'on the fly' direct UV light curing process makes this application to the first choice for a state of the art production for precision flexible dies.

Target Market

The application of producing flexible dies for the graphical industry requires a dedicated production solution. The supply market of self-adhesive labels, the kiss-cutting and cutting through (down to the anvil) of foils, all kinds of pressure-sensitive composites, thin cardboard boxes and foam foils as well as an array of woven fabrics and special materials.

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Working table

- Working area: 1200 mm x 1200 mm x 5 mm
- 4 individual controlled vacuum zones for the workpiece clamping
- 2 independent precision pinning point systems for blade referencing
- Flatbed system

Print Heads

- Piezo Drop-On-Demand Inkjet head with 512 nozzles
- Printing resolution: 720 x 720 dpi (nativ)
- 8 print heads for simultaneous print
- Flush function features automatic cleaning of the print heads

Ink System

- Ink type: one color system, UV light curable
- resistable against Ferrochlorid (FeCl3)
- the ink will be supplied in operator friendly 1 Liter bottles

UV-Light

- 2 independent UV lamps cure the ink inline during the print
- intensity controlled by the workflow by 7 independent levels

Vacuum System

Featured by an optional available vacuum pump, controlled and monitored by a digital sensor

Precision print

- Precision gantry servo drive and linear scale on carriage axes (Y1/Y2)
- Motion positioning by servo motor with precision feedback systems
- Accuracy: repeatable print within +/- 25 µm


Enclosure

- Full enclosure of carriage axis
- Accessible by 2 operating doors

PC Control System

- Industrial Personal Computer with embedded Windows CE OS
- 17" LCD at screen, PS2-keyboard with PC-mouse
- Connectivity: Ethernet TCP/IP, USB
- Remote Control: Client/Server solution (optional available license fee)
- DPC Inkjet control system for DieJet
- Printer driver (DPC DieJet Edition) for optional RIP-Software
- Supported RIP-Software: Onyx Production House, PhotoPrint (optional available)

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