



**shown with optional light curtain*

The latest generation of DTXJet printing systems is built for precision micro-deposition with improved safety, absolute linear encoders, upgraded mechanical drive assemblies, and overall higher build quality. DTXJet 3.0 is available in three standard sizes with multiple fluid options and includes standard remote support.

SPECIFICATIONS:

KONICA MINOLTA KM1800ISHK-DC PRINTHEADS

- Dual color printing with 1,776 total nozzles split evenly between two printing channels each printing at 300 DPI natively

ADVANCED FLUID CONTROL SYSTEM

- Robust system utilizing industrial components rated for millions of cycles
- Individual vacuum control for each fluid
- Easy scalability and service of components

GLOBAL INKJET SYSTEM PRINT ELECTRONICS BACKBONE

- Complete data and printhead drive solution
- Built on proven hardware and software from previous generations, with updated components

CURING

- UV curing with 2x Phoseon FJ100 75x20 8W 395nm LED lamps
- Intensity control via analog interface is triggered when over the print
- The print intensity can be specified within the print sequence and each lamp can be independently controlled for both printing and non-printing passes.

VACUUM PLATEN

- Integrated vacuum platen holds substrates and films flat during printing
- The platen is oversized, ensuring the UV light is blocked during the leading and trailing print passes.
- A regenerative blower is included with the system.

PRECISION 4-AXIS MOTION SYSTEM

- Linear motor based X-axis actuator
 - Smooth motion and velocity control for consistent drop placement
 - Precision NSK linear bearings with 'lube for life' bearing blocks
 - Oversized linear motor allowing unlimited expected service life
- Indexing Y, Y' axes with high resolution absolute linear encoders
 - Accurate positioning to achieve highest print quality
 - High speeds of up to 800mm/s capable
 - Based on robust belt drive from Bell Everman
- Controlled Z-Axis via ACME screw with absolute linear encoder
 - Allows adjustment of the printhead height relative to platen
 - Minimum adjustment range of 3"
 - Absolute linear encoder allows head height to be always known
 - Print height can be controlled as part of the print sequence
- Expansion possible
 - Additional axes of motion available for systems such as automatic head maintenance or other systems developed in the future

ELECTRONICS AND CONTROL CABINET

- Industrial control cabinets containing machine electronics and controls devices
- The cabinet includes circuit protection for each device

SOFTWARE INTERFACE

- Intel i9-based computer selected for reliable performance and long service life
- GUI-based machine control allows operators to create, manage, import, and export print sequences

EQUIPMENT OPTIONS

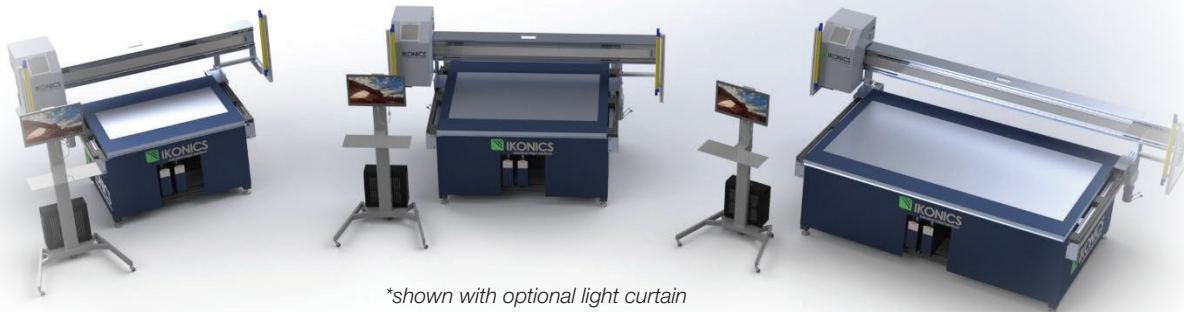
- **DTXJet Small Printer**
(1.2m x 0.6m Print Area)
- **DTXJet Medium Printer**
(1.5m x 1.0m Print Area)
- **DTXJet Large Printer**
(2.4m x 1.2m Print Area)

NOTE: The complete assembly includes a 1-year warranty, transferred from the original manufacturer. Palletizing is included in the price. Shipping is FOB. A spare and maintenance parts list will be provided with the formal quote.

PAYMENT TERMS

The updated payment terms are as follows:

- 50% Due upon design approval
 - After design approval, component procurement and manufacturing will begin.
 - DTXJet Systems are made to order. Lead time may vary. Call for a current estimate. Final lead time will be confirmed after receipt of the deposit.
- 30% Due prior to shipment, after FAT
 - The system will be shown to perform the specified tasks based on a mutually agreed to set of tests to be performed as Factory Acceptance Test.
 - Shipment will be scheduled after completion and sign-off of FAT
- 20% Net 30 after installation
 - Final invoice due 30 days after sign-off at installation



**shown with optional light curtain*