



TeraJET
UV curable inkjet inks

Value Creation for Printing

Technical Data Sheet

Product Description.....

TeraJET UV inkjet inks is for use in piezoelectric, DOD print heads. Primary uses of this products are for Rigid material substrate and Glass where scratch resistance is of importance. These inks provide excellent chemical resistance and water resistance.

It can be apply flexible substrate which high flexibility and elongation don't required.(trial test before apply to flexible material)

Primary uses of TeraJET UV inkjet inks is Acryl , Glass , PVC(flexible &rigid), Steel , MDF , pretreated PET , PC , Coroplast , ABS , etc industrial substrate where is heat resistance of importance.



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Product Description.....

Main advantage of TeraJET UV inkjet inks are as follows :

- UV curable printing inks without solvent.
- N V P free
- Formulated for use multi-purposed inks.
- Formulated high performance pigments for highest chroma and durability.
- It offer outstanding resistance to heat, chemicals.
- Excellent lightfastness(pigments are all 7-8 on Blue Wool scale)
 - * Accelerated weathering test by Xenon Arc Weathermeter
 - * Can be 24 month exposure in outdoor
- Fast curing speed.
- Abrasion resistance.



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Product Range.....

MLX 153 Yellow MLX 456 Magenta MLX 765 Cyan
MLX 918 Black MLX 306 Light Magenta
MLX 612 Light Cyan MLX 1024 White
MLX 001 Cleaning Solution
MLX 100 Flush Solution

1013 – 1 Primer
1012 OP Varnish



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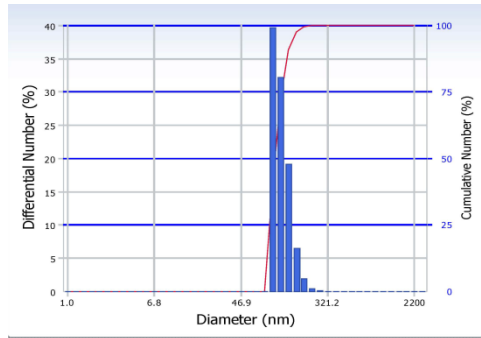
High-performance nano pigment dispersion used.....

These pigment in TeraJET inks offer outstanding resistance to light, weather, heat, chemical and solvent.

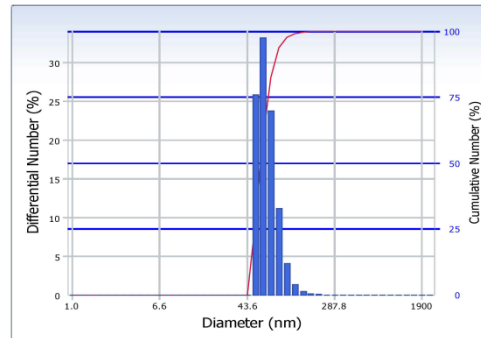
All of pigment in TeraJET inks is from TRJ dispersion which particle size is under **200 nanometer** by JESCO dispersion technology.



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Yellow pigment
Average Diameter 157.6 nm

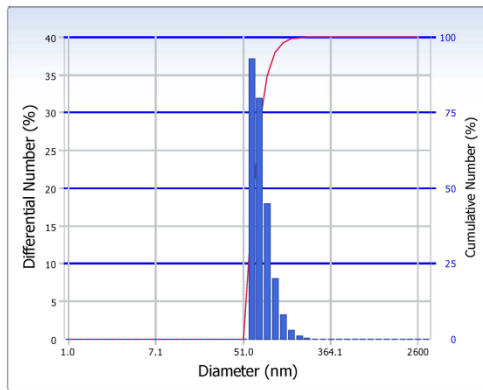


Magenta pigment
Average Diameter 196.8 nm

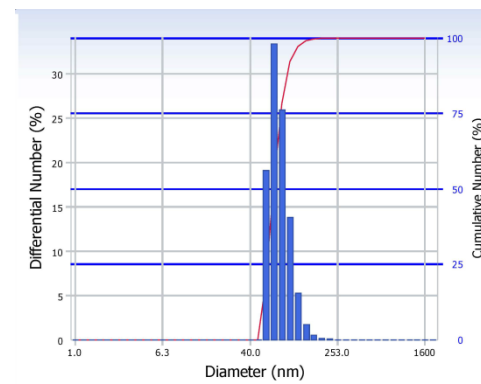
Measurement condition
Temperature : 25 °C
Diluent Nmae : MEK
Refractive Index ; 1.38
Viscosity : 0.4016 (cp)
Scattering Intensity : 7899(cps)



**Pigment dispersion
for TexaJET**



Cyan pigment
Average Diameter 156.3 nm



Black pigment
Average Diameter 134.1 nm



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Viscosity Range(c p s)

Temp(°C)	153 YELLOW	306 L . Magenta	456 Magenta	612 L . Cyan	765 Cyan	918 Black	1024 White
25	17.0	16.8	17.6	16.8	17.3	16.3	21.5
40	11.4	11.0	12	11.2	11.7	11.0	15.2
45	10.2	9.8	10.8	9.5	10.0	10.2	13.3
50	9.6	9.2	9.2	9.0	9.6	9.4	11.9

Measured by Brookfield DV-2+ / Spindle No. 18 / 120 rpm / 5 minutes
* Viscosity can be control by customers requirement.



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Evaluated Print Head.....

Konica 512 –New series
Xaar 760 GS8
Spectra Nova JA 256 / 80
Galaxy JA 256 / 80
Galaxy JA 256 / 30

OTHERS .



Technical Data Sheet

Storage condition.....

This inks should always kept away from heat , sunlight , sparks. And flames. Store inks and solution at 18 – 40°C at a humidity from 20 – 50% in non-condensing environment.

The shelf life of this products is 12 months from the date of manufacture when stored under prescribed conditions.

Ink Handling & Environmental information.....

Wear gloves and eye protection device when handling inks and Consult Material Safety Data Sheet for further instruction and Environmental information.



Technical Data Sheet

Disclaimer....

The information and recommendations contained in this TDS as well as technical advice otherwise given by representative of our company, whether verbally or in writing , are based on our present knowledge and believed to be accurate. However , no guarantee regarding their accuracy is given as we cannot cover or anticipate every possible application of our products and because manufacturing methods, printing stocks and other material vary.

For the same reason our products are sold without warranty and on condition that users shall make their own test to satisfy themselves that they will meet fully their particular requirements.

Our policy of continuous product improvement might make some of the information contained in this PDS Out of date and users are requested to ensure that they follow current recommendations.





Thank You !