

INKJET MEISTER

Mastering Inkjet technology, and spread it to the world

Company Profile



Mastering Inkjet technology, and spread it into Manufacturing and Biotechnology

Microjet has not only mastered all key components of inkjet heads, dispensing liquids and equipment, but is one of the few companies that offers customers full-scale optimization of these technologies. Our team of super engineers applies a wealth of inkjet technology know-how president Shuichi Yamaguchi gleaned from over 30 years of practical experience.



Full knowledge of over 50 types of inkjet heads, including some developed in-house

Propose & provide the head that best suits a client's application and fluid



Experienced in over 1000 ejection types in a variety of head and liquid combinations

Deliver head & liquid matching technology and know-how



Experienced equipment sales and technical support for R&D spanning over 16 years

Provide knowledge to utilize equipment, Work as partner to solve issues

Corporate Profile

Company Microjet Corporation
Founded September 1st, 1997
President/CEO Dr. Shuichi Yamaguchi

Mission statement Microjet seeks to promote inkjet technology in

printed electronics or biotechnology applications to

preserve our global environment.

Businesses - Inkjet technology consultations

- Subcontractor for inkjet initial studies and

process development testing

- Development/production/sales of inkjet R&D equipment

- Development of custom inkjet equipment

- Inkjet technical seminar hosting

- Sales of inkjet technical books

- 3D printer business (Sales, R&D, consulting and seminars)

URL http://www.inkjet-bio.com/eng/

http://www.microjet.co.jp

Location Main office:

79-2 Daimon5ban-cho, Shiojiri-shi, Nagano,

399-0732 JAPAN Tel: (81) 263-51-1734 Fax: (81) 263-51-1735

Tokyo office:

Ozaki Bldg. 2F, 3-11-17 Minamicho, Kokubunji-shi, Tokyo,

185-0021 JAPAN Tel: (81) 42-401-2700 Fax: (81) 42-401-2577







Technical Support

- From R&D to manufacturing equipment development -





Outsourcing of ejection testing and trial manufacturing

Technical Support

Consultation for ink and inkjet head development



Lectures and technical seminars

Specialized inkjet literature



Product Development

- We create what no one else can -

LabJet-Bio



Equipment for biotechnology applications



Inkjet heads

NanoPrinter

Equipment for printed electronics applications

Original Products

equipment

DropMeasure

Analysis software



Products





GlassJet

Features:

- Forms droplets at the picoliter nanoliter level
- Easy-to-wash integrated structure
- High chemical resistance for long life
- Handles high viscosity liquids (up to 200 mPa·s with heat)
- High-speed droplet formation (over 2000 drops/sec.)

Applications:

- DNA, protein, antibody and reagent ultratrace handling
- Cellular fluid and bead fluid handling
- Dispensation of nano liquid metals and other electronics materials

IJK series

Features:

- One-nozzle head with high chemical-resistance, handling strong acid and strong alkali
- Multiple types of heads available depending on research purposes and liquid properties
- Droplet formation at arbitrary timing by trigger input

Applications:

- Development and evaluation of Inkjet liquid materials
- Dispensing of metal nanoparticle liquid, UV ink, oil, DNA, protein, antibody, cell fluid and more





LabJet series

Features:

- Mount GlassJet on up to 4 units
- Use for dispensing, spotting, patterning
- Standard-equipped to allow liquid droplet observation
- Capable of aspirating trace amount of multiple test materials (Bio Type)

Applications:

- Production of a variety of biochips
- Dispensation to microwells, μ-TAS and micro fluid devices
- Trial manufacture of circuits, microlens and sensors

NanoJet series

Features:

- Sucking reagents and sample materials, and spotting and patterning on demand
- Handling various types of reagents with 8 heads (max.) and by cleaning functions
- Possible to set order and number of times of sucking, dispensing, and cleaning on demand

Applications:

- Production of DNA, Protein, antibody, cell chip and more
- $\mbox{\sc App}\mbox{\sc I}\mbox{\sc ying}$ antibodies and reagents onto membranes