

Lineup of other models

High-precision quantitative filling pump  
**FILL MASTER**

Directly enter values for filling volume. For excellent operability and outstanding reproducibility.  
Adjustable suction and filling speeds, design prevents bubble generation.



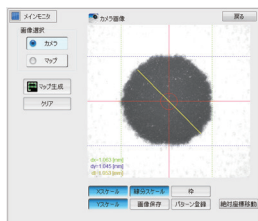
Low-viscosity non-contact jet dispenser  
**Cyber Jet 2**

Ideal for dispensing antibody lines in immunochromatography.



PC controlled image recognition dispensing system  
**IMAGE MASTER 350PC Smart Qx series**

Automates execution and monitoring of the production cycle. Also automatically logs production information in a database. Enables traceability with production logs.



Simple dispensing management/inspections

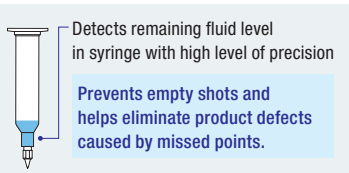
Fully digital controlled dispenser

**Super ΣCM III**

Ultra-precision dispensing in 0.01 mg units, high-speed dispensing with minimum cycle time of 0.1 seconds or less and other capabilities that excel in research, development and analysis processes.



For super-fine dispensing



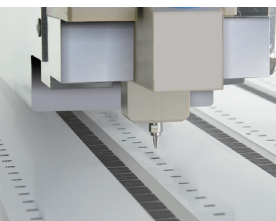
Detects remaining fluid level in syringe with high level of precision  
Prevents empty shots and helps eliminate product defects caused by missed points.



Inline enzyme/reagent dripping system

**MGD-7500**

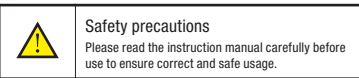
The ideal dripping system for glucose oxidase in the self-monitoring of blood glucose (SMBG) device manufacturing process, as well as various other enzymes and reagents.



Enzyme/reagent dripping

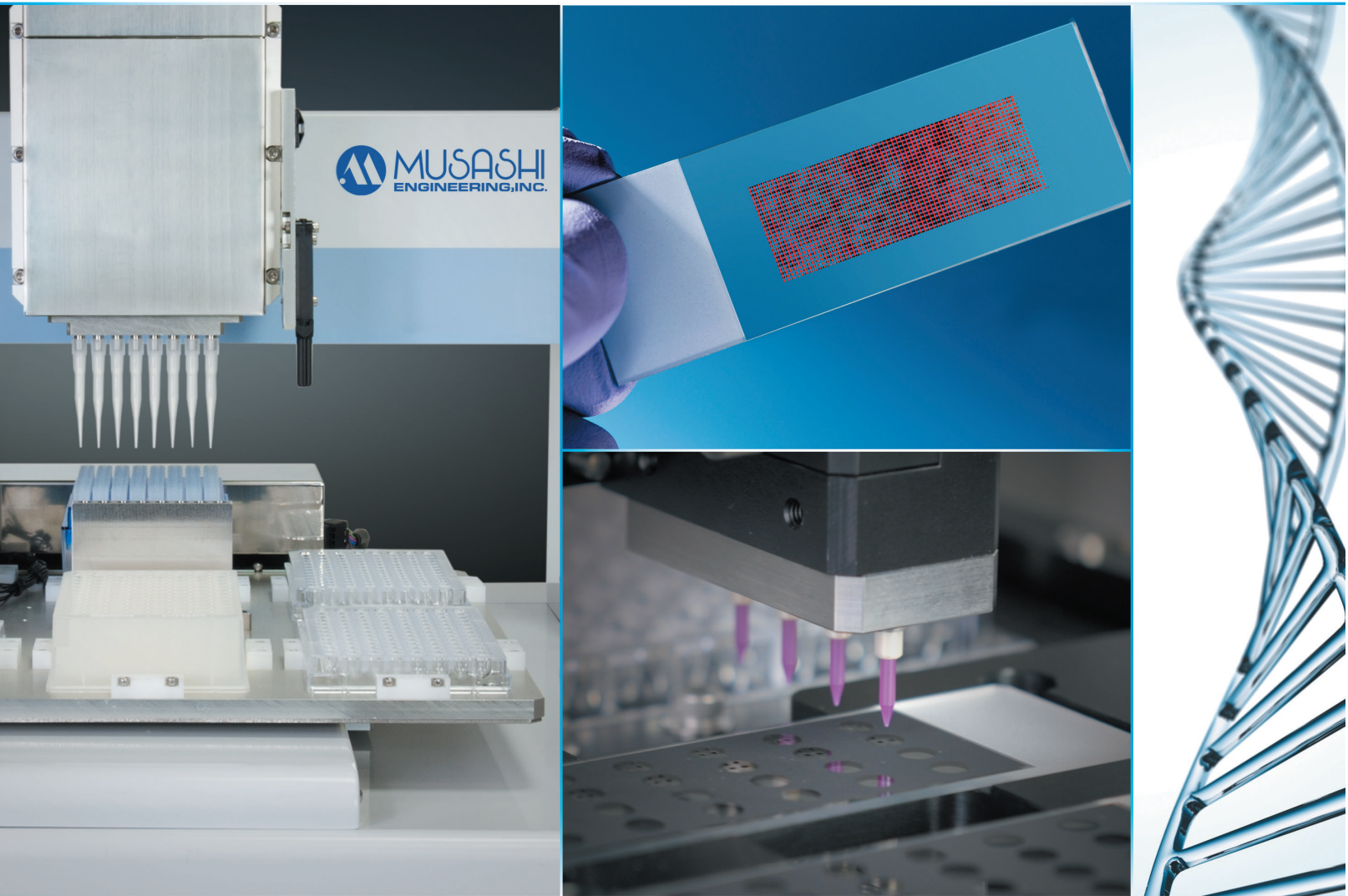
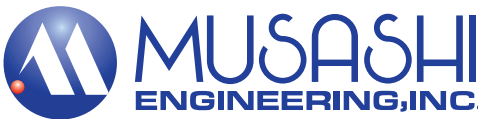


Contact MUSASHI Sales for more information on equipment included in this catalog.



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**Dispensing Solutions**

**Biotechnology/Medical/Drug Development**



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- Fully PC controlled, compact multi-channel dispensing system
- Micro-volume reagent spotting system
- Ultra-high-speed reagent spotting system
- Automatic filling capper system
- Automatic filling and weighing system



# Achieves high-speed screening in the biotechnology, medical and drug development fields.

High-precision dispensing technology is being utilized for pharmaceutical products and cosmetics, as well as in all fields dealing with liquids throughout the biotechnology, analysis and other industries. MUSASHI makes automatic dispensing equipment required in a broad range of manufacturing and research fields. Automating work processes usually done by hand helps to reduce cost and labor, prevent mistakes and increase work precision.


Non-contact


Image recognition function allows dispensing with precise positioning

Ultra-high-speed reagent spotting system

JET SPOTTER

Dispensing volume	Micro-deposits to small volumes (20nL to 7µL)
Dispensing method	Jet system
Contamination prevention system	Nozzle washing and drying

With image recognition

Multi-channel operation 1 to 8 head



Ultra-micro-volume

Automated dispensing of a wide range of reagents

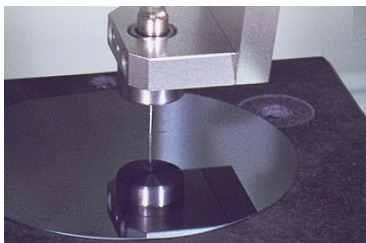
Ultra-micro-volume reagent spotting system

SPOT MASTER

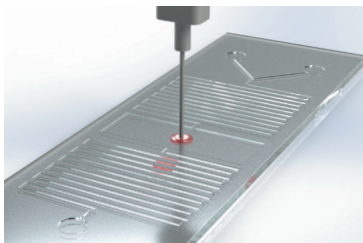
Dispensing volume	Ultra-micro-volumes to small volumes (1nL to 120µL)
Dispensing method	Volume measuring type
Contamination prevention system	Nozzle washing and drying

With image recognition

µ-TAS research



Development of biochips



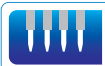
Multi-channel dispensing


Multi-channel head for greater processing capacity

Fully PC controlled, compact multi-channel dispensing system

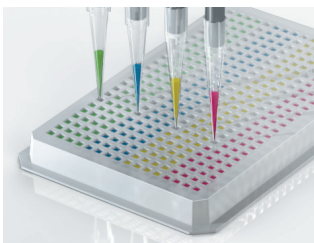
PIPET MASTER

Dispensing volume	Small volumes to medium volumes (0.5µL to 1mL)
Dispensing method	Volume measuring type
Contamination prevention system	Automatic pipette tip attachment/removal

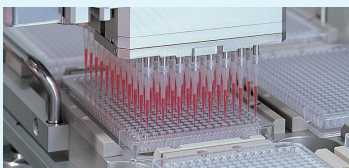
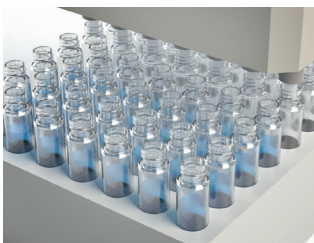
Multi-channel operation 1 to 8 head

With stirring function

Dispensing reagent onto micro-plates



Dispensing into vial bottles



Fully automatic, 96-pipet tip filling system

Pipet-type multi-channel dispensing head can be replaced with 96-pipet and 12-pipet tip heads. Fully automated tip replacement, and reagent suction and dispensing processes. Dispensing spanning micro to medium volume scales significantly decreases wasted reagent, and reduces costs.

Lineup of other models

Limits vaporization of drug solutions during filling

Automatic filling capper system

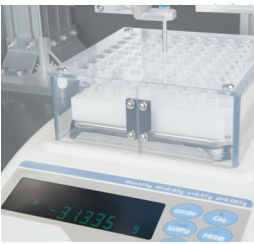
All “cap opening → filling → cap closing” procedures consolidated within a single robot.



Single system for filling and liquid volume control

Automatic filling and weighing system

Provides real-time weights of fluids filled in containers.



Provides fluid log management



Wide range of accessories

- Moisture retention safety cover
  - Nozzle washing, test shot, drying unit
  - Syringe remaining level detection sensor
  - Pre-suction stirring function
- Nozzle side camera
  - Dispensing condition confirmation camera
  - Height measurement and alignment function
  - Automatic control of liquid delivery pressure
- Chip presence sensor
  - Fluid-drip prevention shutter
  - Automatic filling reservoir
  - Suction nozzle