

WELLJET

A Revolution in Reagent Dispensing
Compact and Affordable



Novel technology
EasySnap™ dispensing
cassettes

**Hands-free
processing**
with integrated stacker

6 to 1536
well plates

Compact and affordable

WELLJET Dispenser

Rapid filling of microplates

Small footprint saves invaluable bench space and allows operation within a laminar flow cabinet.

New generation dispensing cassette technology: Low running costs, simplest cassette loading.

Filling of plates with up to 1536 wells as well as deep well plates.

Large display and intuitive user interface make programming and operation easy. No training required!



WELLJET

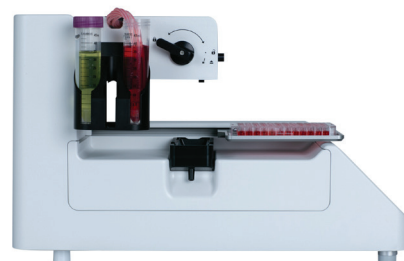
A revolution in reagent dispensing

Two models, one purpose. Rapid microplate filling for increased throughput in every lab – at an affordable price and with low running costs.

The **WELLJET** dispenser and dispenser stacker are designed to offer superior user experience and flexibility for applications requiring low cost and precise reagent dispensing. Both models use a revolutionary type of dispensing cassettes (EasySnap™) which allow for low running costs and easy handling. With their highly compact design, both the dispenser and the dispenser stacker exhibit the smallest footprints for instruments of their kind, saving valuable bench space. A large, high resolution touchscreen user interface guarantees intuitive and effortless programming.

💡 Did you know?

While the **WELLJET** dispenser is a true workhorse for processing of 96 and 384 well plates, any standard plate format from 6 up to 1536 wells is accepted, including deep well plates and tube racks with standard (SLAS/ANSI-) footprint.



WELLJET Dispenser Stacker

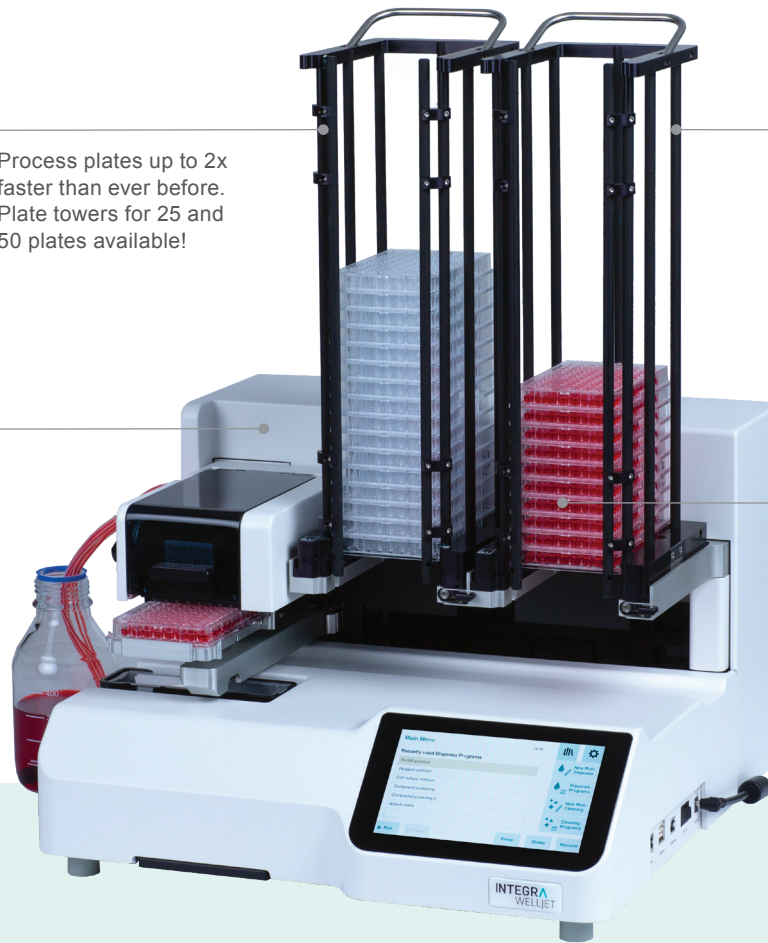
Highly compact footprint for fast, hands-free filling of microplates

Process plates up to 2x faster than ever before. Plate towers for 25 and 50 plates available!

Open and accessible tower design for rapid front-loading and visual tracking of plates.

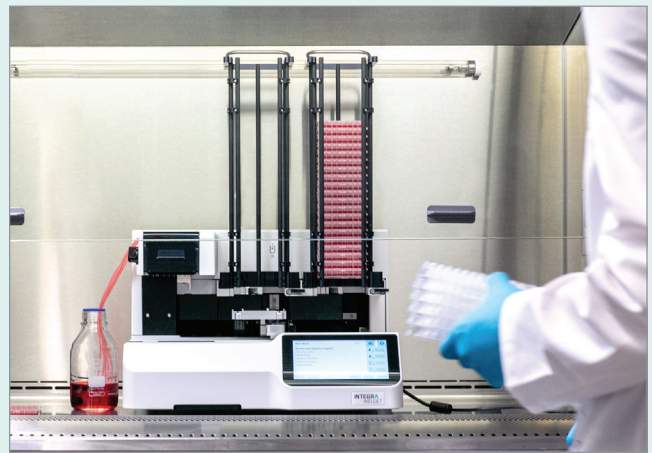
With its compact footprint, it fits perfectly inside a laminar flow cabinet.

Plates with lids can be automatically processed.



The **WELLJET** reagent dispenser can be used for a vast number of applications including:

- ELISAs
- Cell-based assays
- Kinetic assays
- Screening assays
- Assay development
- Genomic and proteomic analyses



For sterile dispensing of liquids the **WELLJET** dispenser stacker can be conveniently placed into a laminar flow cabinet

Ergonomic and robust design for convenient cassette loading and removal.



Molded silicone tubings at the interface with the pump unit. No (re-) calibration required as all channels are identical. Patent pending.

Robust plastic dispense nozzles which are additionally protected from collision with plates.

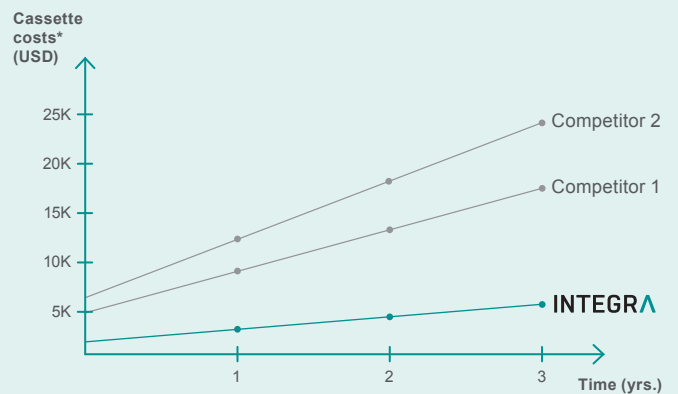
RFID tag for smart tracking of dispense volumes. Get informed when it is time to change the cassette and ensure highest dispense precision.

EasySnap™ cassettes enable low running costs

The new EasySnap™ dispensing cassette for the **WELLJET** represents a technology breakthrough in the precision and reliability of reagent dispensers: At the interface to the pump unit, the cassettes are built of molded silicone tubings (patent pending) which eliminate the typical channel to channel variations seen with conventional dispensing cassettes.

While the tubings of currently marketed dispensing cassettes are made of extruded silicone and require tedious recalibration to compensate for their inherent variations from channel to channel, EasySnap™ cassettes are accurate and precise by design, as every tubing is manufactured to the exact same dimension. Best of all, EasySnap™ cassettes are less expensive in the acquisition and running costs, saving valuable budget in your lab!

Cut your cassette costs by up to 80%!



*Cassette list price, 12 cassettes per year

Simple cassette handling

Loading of dispensing cassettes has never been easier! The **WELLET EasySnap™** dispensing cassettes offer simple and worry-free insertion. Due to its robust design and molded silicone tubings, there is no need to worry about breaking the cassette or making a mistake during loading.



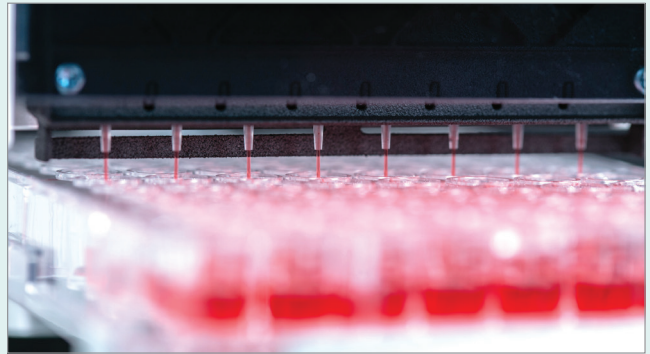
EasySnap™ cassettes are robust and convenient to hold for easy cassette loading.



Simply snap the cassette into place and start dispensing.

Accuracy and precision

The three different cassette models ensure accurate and precise dispensing of most liquids across a broad volume range (0.5 µl to 10 ml). Each cassette is provided sterilized and can be autoclaved. To speed things up, the 16 channel cassette even allows filling of 384 well plates in one pass, reducing the processing time to a minimum!



	Volume	Dispensing precision (CV)	Dispensing accuracy
Small bore dispensing cassettes 8 channel / 16 channel 0.5 – 500 µl	2 µl	≤4 %	±3 % (typical)
	10 µl	≤2.5 %	±1 % (typical)
	50 µl	≤1 %	±1 % (typical)
Large bore dispensing cassette 8 channel 5 – 9'999 µl	20 µl	≤2.5 %	±1.5 % (typical)
	50 µl	≤1.5 %	±1 % (typical)
	100 µl	≤1 %	±1 % (typical)

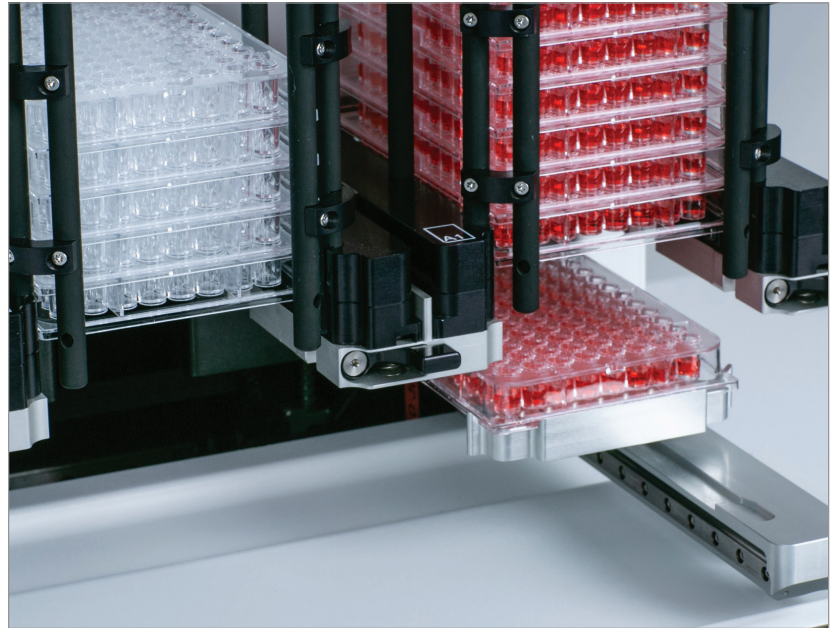
Speed and flexibility

The **WELLJET** has been designed for fast and efficient plate processing, especially with the dispenser stacker. Single plates can be filled in seconds and processing a stack of 25 or 50 plates only takes a few minutes.

Both instruments fit anywhere in the lab – including under laminar flow hoods – for flexible dispensing into 6 to 1536 well plates.

Optionally the **WELLJET** dispenser can also be integrated into automated workflows.

Simply start dispensing at the push of a button!



Hands-free processing of plates and increased walk-away time. **WELLJET** does the job for you.

Superior user interaction

The intuitive set-up of the user interface, combined with a large, high-resolution touchscreen, allows quick and efficient setup of dispensing protocols. Cleaning routines can be easily defined and saved to minimize clogging of dispense nozzles and keep the instrument clean and functional. The integrated plate library ensures that plate dimensions are not only stored, but well organized and searchable.



💡 Did you know?

The optional tube holder for 15 and 50 ml tubes allows dead volumes to be reduced to a minimum, saving precious reagents!



Ordering information

Instrument	Part no.
WELLJET dispenser, including waste trough with outlet	5000
WELLJET dispenser stacker, including waste trough with outlet, without plate towers	5001

EasySnap™ dispensing cassettes	Part no.	
8 channel	Small bore (0.5-500 µl), sterile, 4 cassettes per case	5100
	Large bore (5-9'999 µl), sterile, 4 cassettes per case	5101
16 channel	Small bore (0.5-500 µl), sterile, 4 cassettes per case	5110

Accessories	Part no.	
Plate tower	25 plates capacity (1 each)	5400
Plate tower	50 plates capacity (1 each)	5401
Tube holder	For 15 and 50 ml tubes, to minimize tubing dead volume	5402
Waste reservoir	25 ml reagent (waste) reservoir (1 base, 3 reservoirs); polypropylene	4315

Technical data

	Dispenser	Dispenser Stacker
Dimensions (LxDxH)	20 x 46 x 29 cm 7.9 x 18.1 x 11.4 in	46 x 46 x 63 cm, with tower for 25 plates 18.1 x 18.1 x 24.8 in 46 x 46 x 102 cm, with tower for 50 plates 18.1 x 18.1 x 40.2 in
Weight	8.8 kg / 19.4 lbs	22.1 kg / 48.7 lbs (with tower for 25 plates)
Power requirements	100-240 VAC, 50/60 Hz, 100 W	
User interface	High resolution touch screen (17.8 cm / 7 in)	
Integration	USB interface, API commands available	
Processing time (100 µl to 96 well plate)	10 seconds	19 seconds (full cycle time, no lid) 25 seconds (full cycle time, with lid)
Compatible plate heights	5 mm – 64 mm	9 mm – 25 mm (stacker mode) 5 mm – 64 mm (manual mode)
Compatible plate formats	6, 12, 24, 48, 96, 384, 1536 well	
Volume range	0.5 µl – 9'999 µl	



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