BIOTOOL SWISS

innovative laboratory technology

PS900

Classic

PS20

DosiPump

DosiPump

ProfiClave

Dish filling systems for all requirements

- High throughput linear
- Modular scale up
- Compact automated

Exact volumes

Intelligent controlled
peristaltic pumps

Fully automated Media Preparator

Optimum Convenience and Performance
on your bench

SWISS MADE

Petriswiss PS 900 P

Professional high throughput system

Do you supply to certified laboratories?
Petriswiss PS 900 P with integrated label printer guarantees individual labelling on each dish and meets all traceability requirements.

For direct printing on the dish a professional Inkjet solution is aviable.

Are you interested in achieving maximum filling rates?
Petriswiss PS 900 fills in continuous mode, day long, up to 900 Plates per hour, no downtime for reloades.

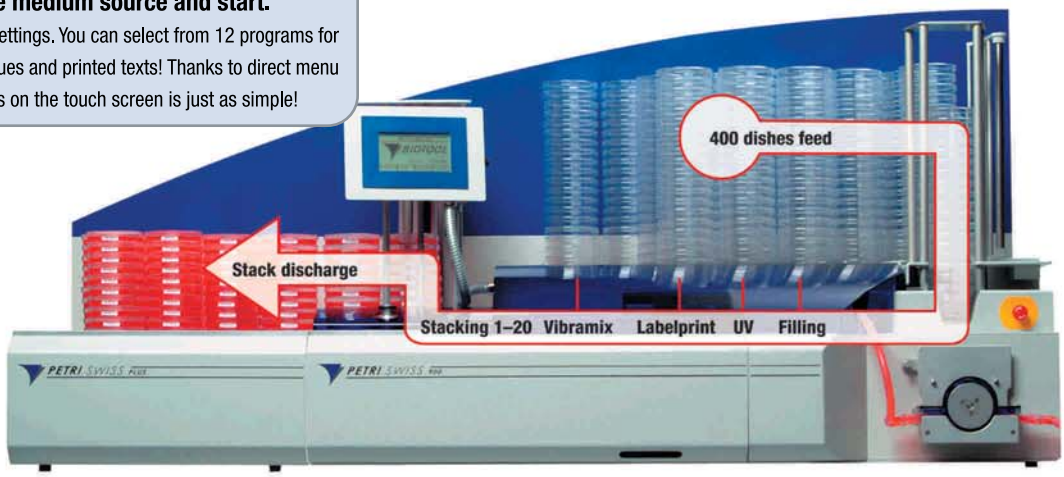
Easy work scheduling

You can ready 400 Petri dishes on the feed belt. The filling chamber can be fully autoclaved or decontaminated by activating the UV source. The print options (PS 900 P) can be called and edited at any time directly on the touch screen.

Fast start

Select program, connect the medium source and start.

The software will have saved your settings. You can select from 12 programs for volumes, filling rates, calibration values and printed texts! Thanks to direct menu prompting, entering new parameters on the touch screen is just as simple!



Top filling results

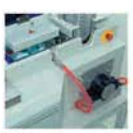
The time-proven concept: «one workstation – one function» ensures trouble-free processes.

The Petri dish is transported from station to station. Feeding and filling in decontaminated chamber - printing - media smoothing - stacking (and precisely with stacking heights which you yourself determine for your ongoing process).

Easy operation:

All entries are made directly on the screen! Backlit graphic display for perfect read-off. Automatic device self-diagnosis ensures that the system is ready for operation even before the filling process.

Your ideal parameters:



- Dosing quantity per dish
- AntiDrop function
- Media smoothing (Vibramix)
- Print text

Your printing parameters:

12 programs can be saved:
- Free text/barcode (BC 128)
- Consecutive number/dish counter
- Alphanumeric text

Dish stacks of required height:

The stack height can be freely selected (1 to 20 dishes/stack) and can thus be adapted to ongoing further processing. No need for reloading or counting.

Autonomous operation:

The feed unit allows 400 Petri dishes to be loaded and refilled at any time. These are filled autonomously and ejected with the preselected stack height on the work bench.

Easy, low-cost maintenance:

BioTool equipment, by tradition, incorporates the very highest quality level and workmanship. The incorporated «servicing drawer» greatly facilitates cleaning and maintenance effort.

Pump delivery:

The 10-roller pump head ensures uniform and non-pulsatory pumping rates up to 800 ml/min. The AntiDrop function suppresses dripping.

Dish labelling:

Automatic, consecutive alphanumeric dish labelling or barcode application. The printer provides a perfect printed image on a white label. The dish bottom remains unobstructed for colony diagnosis.

Media smoothing/Vibramix:

This option allows you to optimise the filling temperature since it even permits media with high viscosity to be distributed optimally in the dish!

Petriswiss PS 20

Highly affordable automated petridish filling system

You need small lots?
Petriswiss PS 20 fills 20 dishes directly in the PetriRack. No need for manual stacking or any other manual operations. New rack - new batch!

With this compact laboratory solution, BioTool has now met wishes expressed very frequently by customers for a compact and flexible filling unit. It is ideal for production of small, special-purpose agar batches.

Offering facility for applications including dish feeding, single dosing, stacking and dish discharging the Petriswiss Mini delivers precise automated operation to enhance the productivity of your laboratory. The system can load twenty 90mm dishes with agar and restack them back into the Petrirack™ stacker in only 2 minutes.

Equipped with intuitive intelligent software, accessible via a convenient touchscreen, any user can be efficiently using the Petriswiss Mini after minimal instruction.

Manageble dish stacks, safely stored in the Petrirack

The unit fills sets of 20 dishes (84-96mm) and these are available directly in the PetriRack. The dishes are safely stacked in the PetriRack and can even be transported, chilled or incubated in the rack. The rack can be fully autoclaved.

Of course, the dishes can also be taken continuously from the rack.

Petriswiss PS20 mini for 60mm dishes

For the efficient and safe filling of 60mm Plates the Petriswiss PS20 mini is avilable in a 55/60mm version as well. No instable and shakily dish racks anymore. The 60mm Petrirack hold the plates stable during filling and transportation.

The Classic Line

The Tec Classic Line grows with your Laboratory needs for Petri Dishes

The Biotool Classic Line set the standards in media processing for many years. Its modular design enables individual components to be arranged according to the application involved, including the filling of 55/60mm dishes (conversion kit required).

The modularity allows the gradual scale up from sterile filling only, to a semi-automated process including automated dish feeding and stacking, extendable with expanding laboratory needs.

The Tec Classic Line fits between the high throughput solution Petriswiss PS900P with its individual dish identification and the unique compact solution Petriswiss PS20 mini.

Easy-to-use and simple to claen, the Tec Classic Line can fill up to 900 standard size Petri Dishes per hour.

The variable height stacking unit provides automatic transport-ation of filled Petri Dishes and allows users to choose a manageable stack heigh of up to 15 Dishes for post-preparation handling, such as cooling, packing or transportation.

Whether your laboratory requires a complete integrated system or an individual optimised solution for automated sterile filling, feeding or stacking of Petri Dishes, the Tec Classic Line fulfils your highest requirements of quality and efficiency.

Gradual scale up for Petri Dish media processing

The Classic Filler handles up to 900 dishes per hour (X 89-96 mm) using a sterile and reliable process.
It offers easy handling, easy volume setting and calibration of the double head peristaltic pump.

Classic Filler

The Classic Feeder offers continuous loading without interruption of the filling process. It allows the pre-filling of 120 dishes and continuous refill for an uninterrupted workflow.

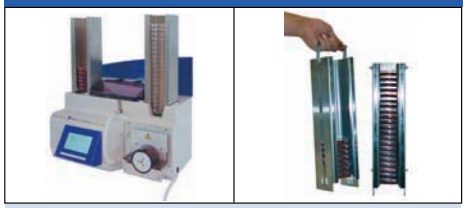
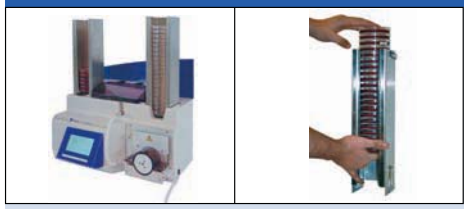
Classic Filler / Stacker

The Classic Stacker stacks and transports the dishes onto the stacking table for cooling and solidification.
The stacks height (2-15 dishes per stack) is freely selectable contingent on the laboratory process (storage/packing) and eliminates manual restacking to tradable heights.

Classic Line complete

There is a BioTool media handling product for all requirements

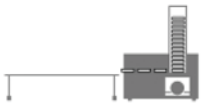
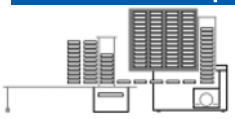
Small batch

Filling Unit Petriswiss Series	PS20/90	PS20/60
		
Item No.	# 800000 **PS20 mini 90mm**	# 810000 **PS20 mini 60mm**
Ready to start / each unit consists of	1 Petrirack (90mm), 1 Feed Rack, 1 double tube set	1 Petrirack (60mm), 1 Feed Rack, 1 double tube set
Optional delivery table	# 102105 push out table 650x500mm	# 102105 push out table 650x500mm
Petri Rack	# 800180 for dishes 86-96mm	# 810180 for dishes 55-60 mm
Dish sizes (diameter/height)/mm	86-96 /14-20,5 | Deep Dish Version 25mm available	55-60 /14-20,5
Dosing Volumes	0.5-99ml at max. 800ml/min (± 1%)	0.5-99ml at max. 800ml/min (± 1%)
Filling Capacity	20 Plates (20ml) in 2,5 min approx. 475/h with stack exchange	20 Plates (10ml) in 2 min approx. 550/h with stack exchange
Interface for Footswitch and Printer	# 101010 Foot switch, # 750000 Dosiprint	# 101010 Foot switch, # 750000 Dosiprint
Instrument Dimensions/mm	(Height with rack): 615x515x400, 18,5 kg	(Height with rack): 615x515x400, 18,5 kg

High throughput

Filling Unit Petriswiss Series	PS900 + optional INKJET	PS900P with LABELS
Item No.	# 900000 **PS900**	# 910000 **PS900P**
Ready to start / each unit consists of	Manual, cable, 1 double tube set	Startset labels (1000), 1 double tube set
Delivery table	# 901370 (for 500 dishes in stacks of 20)	# 901370 (for 500 dishes in stacks of 20)
Additional push out table	# 901375 (for 500 dishes in stacks of 20)	# 901375 (for 500 dishes in stacks of 20)
Ink Jet / Label Printer	**Optinal Ink Jet Printer Imaje 9020** # 900981 Mounting kit / dish side printing # 900982 Mounting kit / dish bottom printing # 900983 Stand for Ink Jet printer	**Label & BC Printer included** # 901457 (5) Label rolls, 1300 each roll # 900456 (10) Ink ribbon bands each band prints circa 5000-6000 labels
Dish sizes (diameter/height)/mm	86-96 /14-20,5 | Deep Dish Version 25mm available	86-96 /14-20,5 | Deep Dish Version 25mm available
Dosing Volumes	0.5-99ml at max. 800ml/min (± 1%)	0.5-99ml at max. 800ml/min (± 1%)
Filling Capacity	Up to 900 Plates / h –> day long!	Up to 800 Plates / h –> day long!
Instrument Dimensions (w/o table)/mm	696x1150x560, 80 kg	696x1150x560, 80 kg

Variable setup

Classic Line Element	Classic Filler	Classic Filler / Stacker	Classic Line complete
			
	610 x 1105 x 305 mm	610 x 1345 x 490 mm	700 x 1345 x 500 mm
Item No.	# 120000 **Filler**	# 155000 **Stacker**	# 125000 **Feeder**
Ready to start / each unit consists of	Cord (€/US), manual, 1 double tube with nozzle	Connection kit to Filler	Connection kit to Filler
Optional delivery table	# 102105 650 x 500 mm		
Dish sizes (diameter/hight)	89-96 mm / 14-20,5 mm		
Conversion Kit for 55-66 mm plates	# 102050	No auto-stacking	No auto-stacking
Filling Capacity	Fills up to 900/h	Stacks up to 900/h	Feeds up to 900/h
Dosing Volumes	0.5-99ml at max. 800ml/min (± 1%)		
Interface for Footswitch	for connection of # 101010 Foot switch / using the Filler as peristaltic pump only		

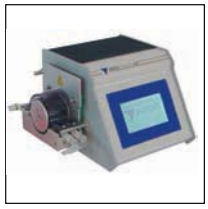
Standard Accessories for all units

 # 101010
Foot Switch

 # 101015
Double Tube set
8x12 mm, silicone
incl. filling nozzle

 # 179090
Blood-Agar tube set
to add 3-10% blood
connecting to DosiPump

 # 179040
Blood-Agar tube set
to add 5-7% blood
w/o external pump



 # 700000
DosiPump

 # 600000
ProfiClave PC10
Agar preparator

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