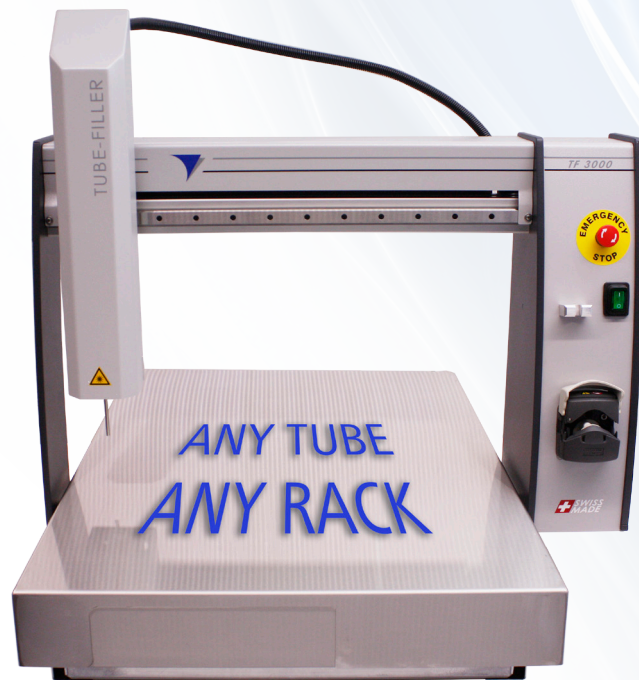




TUBE FILLER



Tube filling - rapid and easy

- Allows free positioning of any rack
- Intuitive programmable software
- Integrated peristaltic wpump
- True walk away tube/bottle filling
- 2100 cm² free usable surface
- Accommodates widest range of any rack from 96-shallow well format to tall tubes and bottles up to 25cm
- Easy to calibrate
- Easy to program

Fast | Flexible | Variable



TUBE FILLER TF3000

TubeFiller is designed to reduce repetitive manual filling of any format laboratory racked tubes.

Based on its dedicated function to fill "any tubes in any rack" the design includes a very stable filling arm with 2 side rails for best position recovery, precise XY position axes, an easy manual height adjustment, and an integrated pump to cover the standard microbiology filling range. No need for an additional pump for standard applications.

Especially appreciated by our customers; the surface is stainless steel only! Easy to clean, no rims or gaps and therefore Microbiology friendly and optimal for Food-, Pharma- or Cosmetic- Lab environments.

Suitable for any rack from small 96 well format, typical Microbiology racks holding high glass tubes, up to customized beaker / bottle holders or any other regular racked lab containments can be filled.

The software allows simplest setup of XY oriented tube racks. The racks are stored in a library. Any new rack setup of the filling platform can be programmed via the rack drag & drop menu. The integrated laser tracking allows definition of exact rack position by checking the first and the last tube in the rack.

The variable rack frame allows the exact repositioning of racks and fast recovery. For repetitive routine applications customer design frames guarantee exact rack positions and process optimized high throughput filling applications.

Designed to its "fill-only-application", the TubeFiller is a cost effective filling solution.

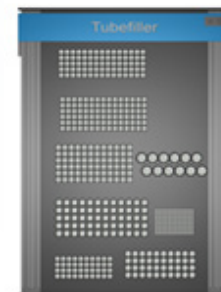
Made by microbiologists
for microbiologists



Diversified Setup



Single pump



Software Setup



Laser tracking

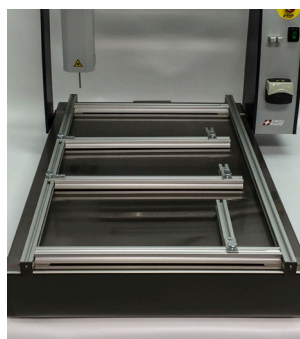
TUBE FILLER TF3000

Voltages

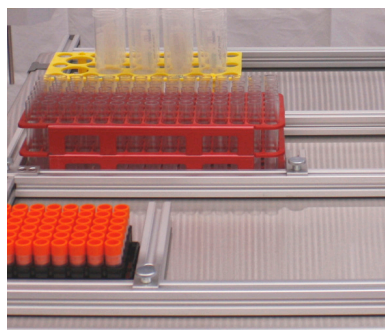
Power	110 - 230V switching, consumption max. 50 W
-------	---

Options

- 2nd pump head for large volume fillings
- Double tubing set
- Individual customized racks available



Rackframe



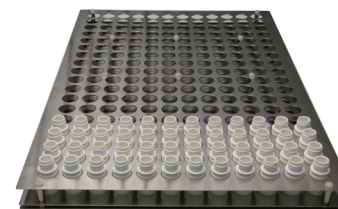
Exact repositioning of racks

Performance

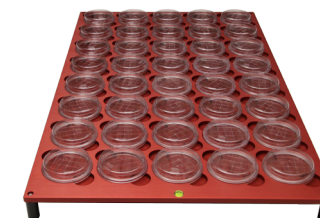
Tube load Ø 13 mm tubes in XY 10x12 racks	1000 tubes
Motion speed (X-Y motion)	60 mm/s
Smallest tube opening	5 mm

Dimensions

Width (mm)	654
Depth (mm)	793
Height (mm) variable height	570 - 790
Table size (mm)	515x730
Reachable dim with filling nozzle (mm)	412x560
Max. tube /flask height (mm)	235
Net weight (kg) w/o rack frame	29.7



Customized Rack for tubes



Customized Rack for Contact plates

TUBE FILLER TF3000

Technical data

Filling rates (max. values)	3 roller / easy load pump heads / silicone tubing 1.6 mm wall
-----------------------------	---

TubeFiller S

Tube Ø 1.6 mm	36 ml/min
Tube Ø 3.2 mm	120 ml/min
Tube Ø 4.8 mm	230 ml/min
Tube Ø 6.4 mm	270 ml/min

TubeFiller F

Tube Ø 3.2 mm	400 ml/min
Tube Ø 4.8 mm	800ml/min
Tube Ø 6.4 mm	1300 ml/min

TubeFiller F double head

Tube Ø 2 x 6.4 mm	2600 ml/min
-------------------	-------------

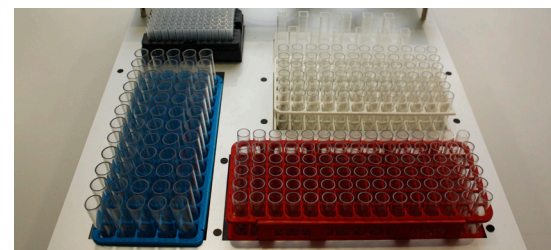
Filling precision (H ₂ O 20°C)	> 99.0% CV < 1%
---	-----------------

Software

Software requires WIN 7 or higher, 100 MB disk space, min 4 MB RAM, WXPAS Net Framework 4

Items

970000	TubeFiller TF3000 complete	1 ea
970010	TubeFiller TF3000 F fast, complete	1 ea
970233	2 nd pump head for TF3000F	1 ea
970222	Positioning grid, aluminium, 3X+3Y variable rods	1 ea
970114	Silicone tubing set with filling needle 3.2 x 6.4 mm	1 ea
970235	Double tubing set with filling needle 6.4 x 9.6 mm	1 ea



CE

Your local dealer