

The Next Generation

PLATEMASTER

# PlateMaster

manual 96-channel pipetting system

**Easy.** Fast. Precise



INCREDIBLE SPEED

HIGH ACCURACY

COST SAVING

**Pipetting of 96- and 384-well-plates**  
**Simple to use & effortless!**

pipetman<sup>®</sup>

TIPS  
DIAMOND



USING GILSON PIPETTE TIPS

Filling 96-well-plate in less  
<10 seconds

## Amazingly simple operation

The manual 96-channel pipetting Plate Master can easily be operated by everyone after an introduction of just 5 minutes. No complicated and time-consuming programming work as for a pipetting robot is needed. The operation is as easy and intuitive as with a manual pipette.

## Incredibly Fast

Filling of a 96-well plate requires less than 10 seconds. Loading of 384-well plates is possible without any problems in only four pipetting steps. For the first time high-throughput experiments can be performed by avoiding high costs and saving staff resources.

## High Accuracy + Safety

By using high quality Diamond tips an accuracy and precision level is obtained corresponding to 8- or 12- channel pipettes. Additionally, the risk of double-pipetting entire rows or columns is excluded. The latest generation of Plate Master guarantees highest safety in pipetting.

## Flexibility of use

The compact design makes Plate Master completely portable and it can even be used in a sterile lab bench.

## Diamond Quality Tips

Accuracy and precision of a pipetting system are significantly determined by the quality of the tips in use.

Only the certified PIPETMAN Diamond tips can ensure an optimal performance of the Plate Master system. With a Gilson Diamond pipette tip (D300/DF300st) the whole volume range is covered without the need for an adjustment of the equipment.

## Best Price

PlateMaster comes at a fraction of the cost for a pipetting robot. It is ready for use by anyone with a little training, thus saving expensive resources for programming and operation.

## More Pipetting Comfort

By simultaneously pipetting of 96 channels, the working time can be highly reduced compared to using manual multi-channel pipettes. Unlike other robotic systems, pipetting is done as silently as with a manual pipette.

# PlateMaster

## Individual Adjustment

Through a variety of accessories such as adapters for loading 384-well plates, reagent reservoirs or sample heater blocks, the PlateMaster can be fully adapted to your needs.

**The Next Generation**

**Easy, fast, accurate...**

**...Flexible, comfortable, convenient**

Specs

# PlateMaster

**NEW**

## Technical Data PlateMaster

Volume Range:	1 µl – 200 µl. Volume can be adjusted in 1 µl increments.			
Temperature Range:	Recommended working temperature of 20 - 25 °C			
Dimensions:	380 x 450 x 400 mm (W x L x H)			
Weight:	circa 16 kg			
Measurement Error		Volume	systematic (accuracy)	random (precision)
		2 µl	6,0 %	5,5 %
		5 µl	3,5 %	2,5 %
		20 µl	3,0 %	1,5 %
		100 µl	0,8 %	0,4 %
		200 µl	0,8 %	0,15 %
AS-29422	PlateMaster System 4 positions for plates or accessory incl. SBS-Footprint			
Accessories and Consumables				
AS-28966	PlateMaster Adapter for loading of 384-well plates. Positioning is done by a wheel.			
AS-28965	PlateMaster Adapter for loading of 384-well plates. Positioning is done by hand.			
AS-29055	Alu-heater block for PlateMaster, 96 x 0,2 ml, for PCR-tubes, stripes and PCR-plates, Ø 7,8 mm			
AS-29135	2 Height Tools (Höhenanschläge)			
AS-29136	Box for Lubrication of O-rings			
Service	Regarding the service required for PlateMaster, please contact us directly.			
Pipette tips	Pipetman DIAMOND® tips type D300 and DF300. Find more infos on <a href="http://www.pipetman.eu">www.pipetman.eu</a>			

## Wide range of applications

- PCR / QPCR: pipetting and providing master mixes
- ELISA: simultaneous processing of nearly all reaction steps in microtiter plates (coating, starting, stopping, washing, etc.)
- Cell culture: addition and removal of culture media, plate replication
- Crystallography: dropwise addition of solutions
- Expression tests: plate replication
- Enhancement to existing automation: assay development and adaptation to 96-channel systems, back-up solution for maintenance and downtime
- All workflow where pipetting on 96-well or 384-well scale is involved