

**new**

# MULTIMATE<sup>+</sup>

NEW TECHNOLOGY IN TRADITIONAL FORMAT

- Lowered Pipetting Forces
- Tip Ejector Adjustment
- UV resistant
- Durable multichannel shafts
- Universal Fit
- Wide Volume Range



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"PZ HTL" S.A. is in possession of a registered and certified quality management system which includes the development, production and sales of high quality Liquid Handling products.



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# New Technology in Traditional Format

**MULTIMATE** multichannel pipettes are appreciated for their durability, consistent performance and universal fit with different tip brands. The upgraded version of these pipettes, the **MULTIMATE<sup>+</sup>** is equipped with low pipetting and a blowout force mechanism as well as a number of features making it the most versatile and appropriate pipette for a wide variety of pipette tips applied in laboratory environment.



## Smooth adjustment of pipette volume.

The new pipetting mechanism allows for precise and effortless setting of the pipette volume. Turning of the volume setting knob requires minimal force thus winding of the volume from min to max can be performed with one hand in minimal time and with no need to grab the pipetting pushbutton.



## UV resistant body

Crafted out of highly durable materials **MULTIMATE<sup>+</sup>** can be safely sterilized with UV radiation. Even prolonged exposure to UV beams does not damage the plastic and the de-coloration of the pipette is minimal.



## Durable, universal shafts

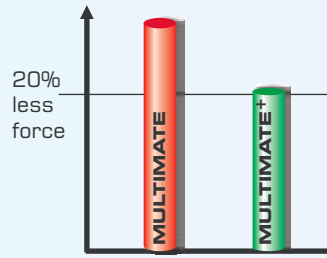
Precisely designed cones of the **MULTIMATE<sup>+</sup>** do not require o-rings to ensure proper fit for the wide range of popular pipette tips. The O-ringless construction of the multichannel manifold ensures high pipette durability and reliable tip sealing regardless of the shape of the tip collar.



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### Reduced Pipetting Force

The soft compression spring mechanism guarantees outstanding accuracy and precision with less effort. The pipetting pushbutton of **MULTIMATE+** is depressed with 20% less effort at both pipetting and blowout stage.



### Recalibration system

The calibration key provided with **MULTIMATE+** allows for quick but accurate pipette recalibration. The simple recalibration procedure is explained step by step in the instruction manual.

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### Tip Ejector Adjustment

**MULTIMATE+** is the only multichannel pipette that allows for adjustment of the tip ejector for a certain kind of tip. Some brands of tips seal high on the cones, whilst other seal very low making the ejection impossible for a standard multichannel pipette. A simple turn of the ejector pushbutton arbor enables the adapting of your **MULTIMATE+** for any kind of pipette tip.



### Sequential Tip Ejector

One of the major problems of most of the multichannel pipettes is the tip ejection force. The ejector of **MULTIMATE+** is curved in order to spread the ejection force in time thus increasing the operator's comfort.

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## Reliable pipette - tip system

The priority of High Tech Lab is to ensure maximum universality of our equipment. HTL products allow the user to apply tools or disposables of other manufacturers with satisfactory results. We give the user freedom of choice, but at the same time we recommend applying HTL disposables with HTL liquid handling equipment as they guarantee the highest accuracy and precision of measurement.

We offer a complete pipetting system, the wide range of pipettes together with a full scope of highly precise, ultra clean and conveniently packed pipette tips. To ensure outstanding precision and repeatability each HTL pipette is hand calibrated. The performance of every pipette is checked by the gravimetric method with HTL tips and the results of each test are printed in a pipette Quality Control Certificate.



## PIPETTE TIPS - UNITIPS®

HTL pipette tips, the **UNITIPS®** are manufactured in one of the most technically advanced plastic disposable production facility in the industry. Septic conditions of HTL cleanrooms combined with fully automated production process ensure the highest level of cleanness of our tips. The **UNITIPS®** are certified to be free from biological contaminants and heavy metals. **UNITIPS®** are offered in standard, sterile and sterile filtered versions in all popular packaging formats.

## PIPETTE ACCESSORIES

**MULTIMATE<sup>+</sup>** can be conveniently stored on the pipette hanger provided with every pipette. Alternatively we offer single multichannel pipette stands as well as multiple stands designed to store up to 5 multichannel pipettes by HTL.



## MULTIMATE<sup>+</sup> ORDERING INFORMATION

### MULTIMATE<sup>+</sup> 8 CHANNEL, 12 CHANNEL

Model	Cat. No.	Colour code	Volume (µl)	A (%)	P (%)	Fits to tip
ME10 MT10	5051 5055	RED	Min. 1	± 8.0	± 6.0	10 µl
			5	± 4.0	± 2.0	
			Max 10	± 2.0	± 1.2	
ME50 MT50	5052 5056	YELLOW	Min 5	± 4.0	± 2.5	200 µl
			25	± 3.0	± 1.2	
			Max 50	± 1.6	± 0.6	
ME200 MT200	5053 5057	YELLOW	Min 20	± 3.0	± 1.5	200 µl
			100	± 1.5	± 0.8	
			Max 200	± 1.0	± 0.6	
ME300 MT300	5054 5058	WHITE	Min 50	± 1.6	± 1.5	300 µl
			150	± 1.2	± 1.0	
			Max 300	± 1.0	± 0.6	



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