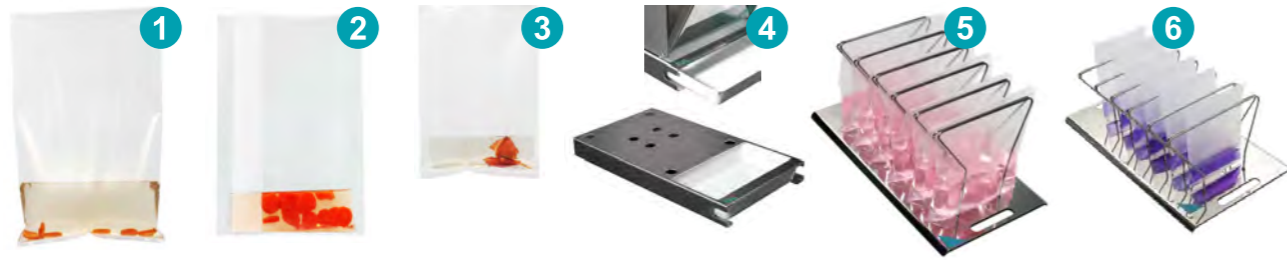


## Accessories and Disposables



1. 400 ml. Y-irradiated homogenizer bags,
  - a. 500 pcs packed in 10 bag packs  
**CAT. No. 900014010**
  - b. 5000 pcs packed in 10 bag packs  
**CAT. No. 90001428**
  - c. 500 pcs packed in 50 bag packs  
**CAT. No. 900014050**
  - d. 5000 pcs packed in 50 bag packs  
**CAT. No. 90005421**
2. 400 ml. Y-irradiated homogenizer bags with filter
  - a. 500 pcs packed in 25 bag pack  
**CAT. No. 900014501**
  - b. 2000 pcs packed in 25 bag packs  
**CAT. No. 90002451**
  - c. 5000 pcs packed in 25 bag packs  
**CAT. No. 90002452**
3. 80 ml. Y-irradiated homogenizer bags,
  - a. 1500 pcs packed in 50 bag packs  
**CAT. No. 90002456**
4. Stand and tray for any 400 ml. Masticator model  
**CAT. No. 9000742**
5. Portabag: Stainless steel holder for six 400 ml. bags  
**CAT. No. 90002300**
6. Portabag: Stainless steel holder for six 80 ml. bags  
**CAT. No. 90002380**

## Order and Information

1. Masticator Basic 400 ml.
  - a. 220/240 V 50/60 Hz 50 bags  
**CAT. No. 9000470**
  - b. 100/127 V 50/60 Hz 50 bags  
**CAT. No. 9000471**
2. Masticator Basic Panoramic 400 ml.
  - a. 220/240 V 50/60 Hz 50 bags  
**CAT. No. 9000475**
  - b. 100/127 V 50/60 Hz 50 bags  
**CAT. No. 9000477**
3. Masticator Classic 400 ml.
  - a. 220/240 V 50/60 Hz 50 bags  
**CAT. No. 9000400**
  - b. 100/127 V 50/60 Hz 50 bags  
**CAT. No. 9000401**
4. Masticator Classic Panoramic 400 ml.
  - a. 220/240 V 50/60 Hz 50 bags  
**CAT. No. 9000500**
  - b. 100/127 V 50/60 Hz 50 bags  
**CAT. No. 9000501**
5. Masticator Silver 400 ml.
  - a. 220/230 V 50/60 Hz 50 bags  
**CAT. No. 9000420**
  - b. 100 V 50/60 Hz 50 bags  
**CAT. No. 9000421**
  - c. 110/120 V 50/60 Hz 50 bags  
**CAT. No. 9000461**
6. Masticator Silver Panoramic 400 ml.
  - a. 220/230 V 50/60 Hz 50 bags  
**CAT. No. 9000520**
  - b. 100 V 50/60 Hz 50 bags  
**CAT. No. 9000521**
  - c. 110/120 V 50/60 Hz 50 bags  
**CAT. No. 9000522**
7. MAXICATOR 3500 ml.
  - a. 230/240V 50Hz  
**CAT. No. 90002400**
  - b. 120V 60Hz  
**CAT. No. 90002401**
  - c. 100V 60Hz  
**CAT. No. 90002402**

## Technical Specifications

Model	Silver/ Panoramic (400ml)	Classic/Panoramic (400ml)	Basic/Panoramic (400ml)	Compact (80ml)	MAXICATOR (3500ml)
Motor	Induction Type	Induction Type	Induction Type	DC Type	Induction Type
Motor Speed	500-1500 rpm	1500 rpm	1500 rpm	2400 rpm	650-1400 rpm
Reduction	1:6	1:6	1:6	1:8	1:7.5
Strokes/sec	5-6-7-8	8.5 (50Hz) 10 (60Hz)	8.5 (50Hz) 10 (60Hz)	14	3-4-5-6
Setting	Keyboard/Display	Digital Timer	Digital Timer	Digital Timer	Keyboard/Display
Timer	15/30/60/90/120/ 150/180/210/240s	15-90s	15-90s	15-90s	15/30/60/90/120/ 150/180/210/240s
Mains	230V 50Hz 110V 60Hz	230V 50Hz 110V 60Hz	230V 50Hz 110V 60Hz	230V 50Hz 110V 60Hz	230V 50Hz 110V 60Hz
Power	240W	240W	240W	25W	620W
Dimensions (WxHxD)	24x26x40cm 9.4x10.2x15.7in	24x26x40cm 9.4x10.2x15.7in	24x26x40cm 9.4x10.2x15.7in	15x15x30cm 5.9x5.0x11.8in	44x50x57cm 17.3x19.7x22.4in
Weight	20kg /44lb	17kg /37.5lb	17kg /37.5lb	7kg / 15.4lb	52.5kg/
No. of Paddles	2	2	2	2	4



Doc. No. 50007873-00 8/3/15



## Product overview



**Masticator** paddle blenders enable thorough homogenization of samples while isolating them from any possible contamination. The Masticator's high quality enduring motors ensure a safe and efficient homogenization. Food, cosmetic, pharmaceutical and clinical laboratories that seek for reliable and cross-contamination free homogenization enjoy this solution. **Masticator** blenders disperse samples inside sterile bags with paddles that drive a squashing action while moving the sample from side to side. This key step in sample preparation ensures homogenous distribution of microorganisms throughout the diluent. Several models encompass a wide array of possibilities.



## System highlights

**No Sample Cross Contamination:** Samples are protected of any contamination during homogenization thanks to the use of sterile disposable bags.

**Endurance:** Second to none in endurance, the Masticator's high quality spring system has proven to withstand the most challenging blending procedures. Customers benefit from a 3 year warranty for any masticator blender.

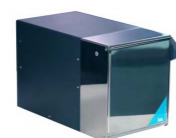
**Ease of use:** Masticators require virtually no maintenance and are easily cleaned when fully removing their front door.



Masticator Basic  
400 ml.



Masticator Basic  
Panoramic  
400 ml.



Masticator Classic  
400 ml.



Masticator Classic  
Panoramic  
400 ml.



Masticator Silver  
400 ml.



Masticator Silver  
Panoramic  
400 ml.

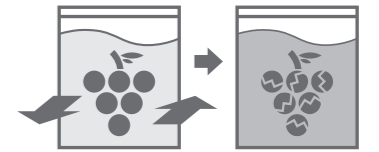


MAXICATOR  
3500 ml.

## Application Scope

**Masticator** lab blenders are used in homogenizations during microbiological testing. Food, cosmetic and pharmaceutical labs like to use 400 ml Masticator blenders, these are meant to homogenize 10 to 40 g (previously diluted) samples. 400 ml bags with and without filters can be used, the former allow to ensure pipetting of debris-free homogenized liquid and are particularly recommended when homogenizations yield sample suspensions with high amounts of large-sized particles. Panoramic and Compact models allow for homogenization monitoring through windows located in their doors. Meanwhile, 80 ml Masticator compact models appeal to clinical and life science labs involved in small sample tissue homogenization (<10g), and to industrial QC labs that process small weight samples (<10g).

### HOMOGENIZATION



## Workflow



## How to continue processing diluted samples

After dilution, sample-containing bags can be stored in Portabag bagholders, awaiting homogenization in Masticator blenders. Once homogenized, aliquots can be serially diluted using the Bio Dilutor. The Eddy Jet 2 spiral plater is used in order to reduce the amount of plates that are processed, offering a threefold decimal dilution counting range in a single plate. Following incubation, plates are automatically counted and fed with the Plate Handler or automatically counted and manually fed with the Flash&Go. With a 3.5 L volume capacity, the Maxicator completes IUL's paddle blender range, allowing for blending of large composite samples.

