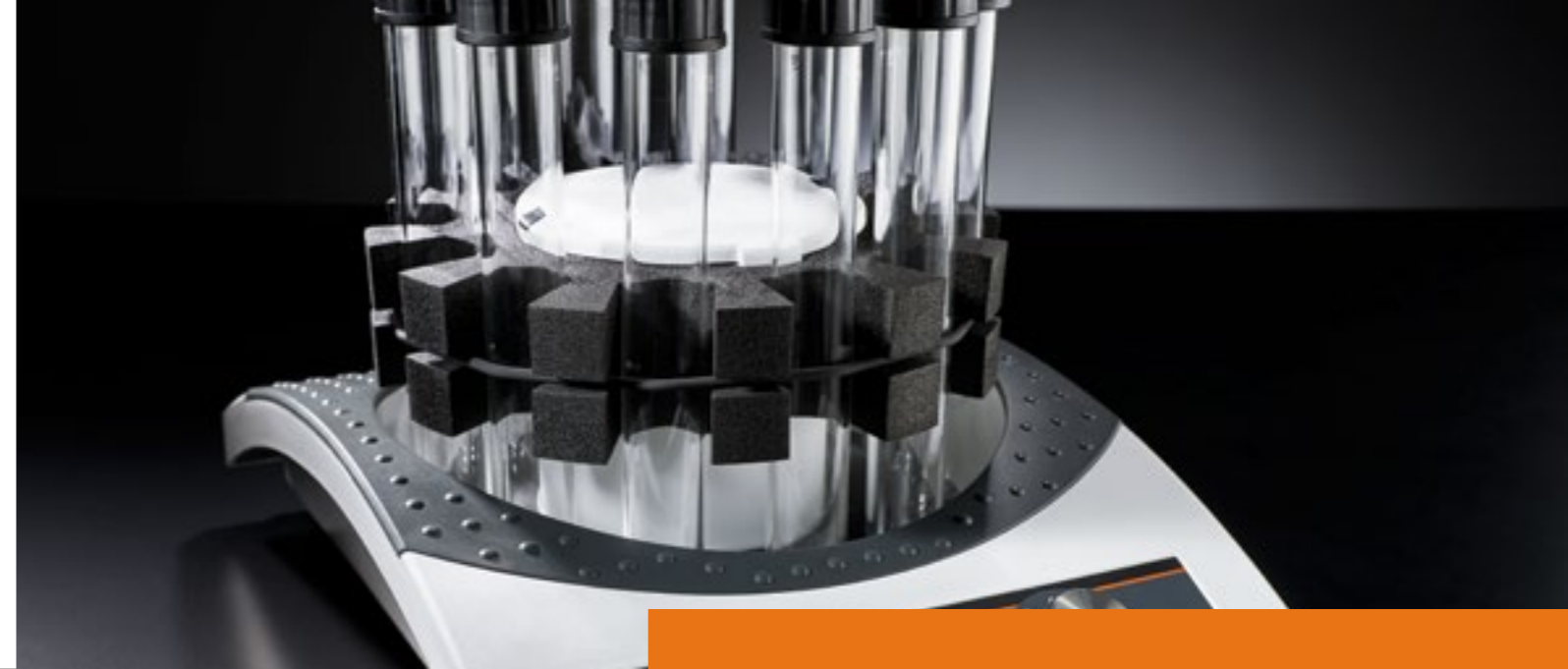


## Hei-MIX Shakers and Mixers Always in Motion

Suspending in a flash, homogeneously emulsifying, gently mixing or incubated shaking – the right solution for any requirement. The Hei-MIX series offers numerous options with different types of movement, loading capacities and versatile accessories for shaking and mixing.



## Leading Safety Standards

- The top plate of all platform shakers is equipped with rubber mats, thereby providing the vessels with a secure grip
- For guaranteed safety during unattended continuous operation, all devices have an integrated overheating protection, which switches the device off in an emergency
- In order to categorically rule out any accidents, all devices have a low center of gravity and do not start to slide even on a damp work surface
- The temperature-insulated drive prevents heating of the platform and thus damage to thermolabile samples
- Large range of accessories with attachments for all common vessels – eliminating the need for decanting





## Superior Ease of Use

- Versatile working with many different types of movements and vessel sizes: A wide range – from vortexer to large platform shaker – offers customized solutions
- In addition, an extensive range of accessories and numerous attachments for all common vessels are available to choose from
- With six different types of movement – from one- to three-dimensional – the right solution is available for every application
- For special applications, many types of movement can be selected in addition to the desired amplitude or tilt angle
- Three different loading capacities are available to choose from: compact 2-kg models, 5-kg incubator-compatible models or 10-kg models for highest sample throughput
- The clearly arranged control panel is self-explanatory and makes everyday use easier
- No compromise: The wide range of shaking and mixing devices in combination with the matching accessories offers the right solution for every application



## Reduced Cost of Ownership

- A worthwhile investment: All products have maintenance- and spark-free motors and are excellently suited for years of continuous use
- The sealed housing reliably protects against corrosion and, on average, increases the operational lifespan to more than 10 years while simultaneously reducing maintenance and repair costs
- The modular concept Incubator 1000 for simultaneous mixing, shaking and temperature control increases the sample throughput and simultaneously reduces process times



MADE IN  
GERMANY

All Benefits at a Glance

# Absolutely Versatile

The overall concept for successful research offers countless individual solutions due to its combination possibilities.



Six different shaking motions – from one- to three-dimensional. Individual movements in addition vary in their motion amplitudes and tilt angles.



## Incubator 1000 – the modular incubation system for platform shakers

- The temperature of the individual application can be controlled simultaneously
- Making effective use of valuable laboratory space: The modular concept requires significantly less space than any other comparable system
- The platform shaker can be integrated into a reasonably priced incubation system in no time at all – more on page 26
- No matter how large the vessels are – three different incubation hoods leave all options open for maximum flexibility

Absolutely versatile: With the wide range of shaking and mixing devices and combination possibilities with the matching accessories there is the right solution for every application.

3-year warranty on all devices and an average operational lifespan of more than 10 years

## Multifarious Possibilities

Incubating with access in a matter of seconds: The hinged incubator hood remains in any position without locking device

With different shaking motions, tilt angles, motion amplitudes and three different loading capacities, the right product is available even for unusual applications



Full visual reaction control through the transparent PETG incubation hood, which does not allow condensation to form

As a result of the low center of gravity, the shakers do not start to slide even on a damp work surface

For applications in microbiology: A temperature-insulated drive prevents heating of the platform and thus damage to thermolabile samples

All models are equipped with overheating protection, which switches off the device in an emergency – important for temporally unrestricted continuous operation.

## Overhead Shakers – for small to large tasks

Workhorses for various vessels and volumes – from applications in biochemistry to water and sediment analyses according to DIN 38414-4.

### Overhead

With quick-clamping system for easily swapping and using different vessels.



#### Reax 20 for 4, 8 or 12 bottles

Meets the specifications according to DIN 38414-4. Also suitable for mixing cylinders or wide mouth bottles up to a height of 270 mm and a diameter of max. 136 mm.

#### Reax 2

Fully flexible loading with the universal adapter for 50 to 160 mm high vessels or the adapter for 20 test tubes. Loading capacity 1 kg.

## Test Tube Shakers – fast and powerful

Vortexers are ideal for lightning-fast mixing. Whether in test tubes, centrifuge tubes or comparable vessels, even with different diameters and tubes. The strong shaking motion guarantees excellent mixing results without exception.

### Vibrating/Vortexing

Fast, even distribution, even with solids and highly viscous media – ideally suited for short- or long-term operation.



#### Reax top/Reax control

##### The standard or precision model

The shaking orbit of 5 mm reliably and quickly achieves an even distribution. Reax control with electronic speed control – the speed remains constant even in the low range and at load changes.

#### Multi Reax

##### The all-rounder

Processing several samples simultaneously, with attachments for 12 or 26 vessels.

## Platform Shakers – multifunctional and all-purpose

The large range of platform shakers offers the right solution for any vessel and application – whether powerful and fast or quiet and gentle. Even for highly sensitive samples, such as in cell research: The temperature-insulated drive prevents heating of the platform and thus thermal damage to the sample.

The platform shakers can be individually configured with the versatile accessories for various applications and vessels and the modular Incubator 1000 concept.

### Vibrating

From powerful to gentle, even for liquid samples with suspended solids: achieve the best mixing results thanks to different amplitudes and load capacities.



### Orbital

The slow and even orbital movement of the Rotamax and Unimax models keeps your samples in continuous motion.



### Rocking

The tilting motion provides excellent results, whether staining, washing or cell culture.



#### Titramax 100/101/1000

##### Compact and powerful

First-class mixing results in microtiter plates from gentle to intensive – even with samples with solid content.

#### Vibramax 100/110

##### For gentle to vigorous mixing

Various possibilities through combination with tension rollers, holding clamps or the attachment for up to 49 test tubes.

#### Rotamax 120

##### The compact one

Best results even when space is limited with the compact 20 mm orbital shaker.

#### Unimax 1010/2010

##### Ideally suited for Erlenmeyer flasks

Additional temperature control with model 1010 by means of Incubator 1000 or a high loading capacity up to 10 kg with the Unimax 2010.

#### Duomax 1030

##### The versatile one

Two different tilt angles to choose from and compatible with Incubator 1000 for gentle temperature control.

## Platform Shakers – strong and customizable

Specialists are required for applications such as phase separation or staining of electrophoresis gels: temperature-controlled, high loading capacity, two different tilt angles and attachments for applications with separatory funnels, Erlenmeyer flasks, bottles or gel staining trays.

### Reciprocating

For the correct shaking intensity during phase separation: the Promax models are perfect for use with separatory funnels.



### Wave

Three-dimensional movement and two tilt angles for best results, such as when staining electrophoretic gels.



### Promax 1020

#### The one with temperature-control

Compatible with Incubator 1000 for temperature control. With 32 mm stroke ideally suited for separatory funnels.

### Promax 2020

#### The resilient one

Large model with 10 kg loading capacity and 20 mm stroke for larger quantities.

### Polymax 1040

#### The one with temperature control

Models with 5° or 10° tilt angle for a gentle or more vigorous motion amplitude – compatible with Incubator 1000.

### Polymax 2040

#### The spacious one

Large model with a useful area of 39×34 cm for increased sample throughput and stepless speed control.

## Overhead Shakers

### Reax

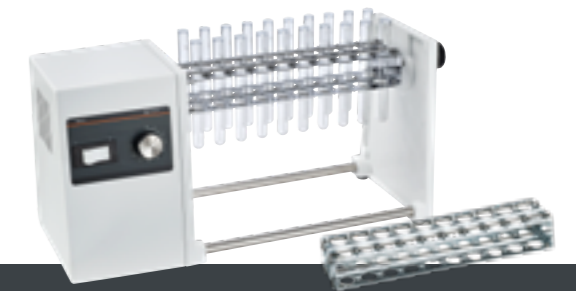
For small to very large tasks

With quick-release technology for easy change and use of a wide range of vessels: from analyses to incubation.



Accessories see page 38

Model			P/N
Reax 2			541-21009-00
Reax 20/4	for up to 4 bottles	1–16 rpm	541-20004-00
Reax 20/8	for up to 8 bottles	1–16 rpm	541-20008-00
Reax 20/12	for up to 12 bottles	1–16 rpm	541-20012-00
Reax 20/4	for up to 4 bottles	2–32 rpm	541-20004-01
Reax 20/8	for up to 8 bottles	2–32 rpm	541-20008-03
Reax 20/12	for up to 12 bottles	2–32 rpm	541-20012-02



### Reax 2

- Fully flexible loading with the universal adapter for 50 to 160 mm high vessels or the optional adapter for 20 test tubes. Loading weight 1 kg
- Individually and steplessly adjustable speed from 20 to 100 rpm



### Reax 20 for 4, 8 or 12 bottles

- Also for mixing cylinders or wide mouth bottles with a height between 160 to 270 mm and max. 136 mm diameter
- With individually and steplessly adjustable speed from 1 to 16 rpm or 2 to 32 rpm and in different sizes for 4, 8 or 12 bottles simultaneously

# Test Tube Shakers / Vortexer

## Reax top

### Vortexer – the standard model

Fast, even distribution, even with solids and highly viscous media – ideally suited for short-term operation.

- For short-term operation: In this mode, the shaking motion is triggered by pressure on the test tube tray
- The shaking orbit of 5 mm reliably and quickly achieves an even distribution
- The continuous operation mode guarantees a permanent shaking motion
- Fastest mixing due to the high speed of 2,500 rpm
- A test tube tray for tubes with up to 20 mm Ø is already included in the scope of delivery. Optional test tube trays for vessels with up to 50 mm Ø expand the area of application



### Reax control

Properties such as Reax top, supplemented by:

- Scale for setting an accurate target speed between 0–2,500 rpm
- Electronic speed control for improved results, even in the low range. The speed remains constant even in the event of a load change

Model	P/N
Reax top	541-10000-00
Reax control	541-11000-00

Accessories see page 34

## Multi Reax

### Vortexer – the all-rounder

- Scope of delivery with two holding devices: An attachment for 12 vessels/sample vessels with a diameter of 16 to 32 mm each and one for 26 vessels with a diameter of 10 to 16 mm each
- Excellent mixing results are achieved with the 3 mm shaking orbit, even with large samples with solid content
- Stepless speed adjustment from 150 to 2,000 rpm on the digital display
- Timer function up to 999 minutes for an automatic termination of the shaking function



Shaking up to 26 samples simultaneously and achieving excellent mixing results.



Model	P/N
Multi Reax	545-10000-00

# Platform Shakers

## Vibramax

For gentle to vigorous mixing

### Vibramax 100

- The space-saving model with a loading capacity of 2 kg is ideally suited for vessels of all kinds
- Excellent mixing results are achieved with the 3 mm shaking orbit, even with large samples with solid content
- The speed can be adjusted individually and steplessly from 150 to 1,350 rpm – for gentle to vigorous mixing
- A versatile range of attachments and tension rollers provides countless combination options
- The timer function for up to 120 minutes automatically terminates the shaking function after the set time has expired and an acoustic signal sounds



Various possibilities through combination with tension rollers and holding clamps as well as optional test tube attachments with up to 49 samples simultaneously.



### Vibramax 110

- With a shaking orbit of 1.5 mm for gentle mixing
- The speed can be adjusted individually and steplessly from 150 to 2,500 rpm
- Timer function as with Vibramax 100

Model	P/N
Vibramax 100	544-21200-00
Vibramax 110	544-31200-00

Accessories see page 35

## Titramax

Compact, powerful and temperature-controlled

First-class mixing results in microtiter plates, even with samples with solid content.



### Titramax 100

- The space-saving model with a loading capacity of 2 kg is ideally suited for four microtiter plates
- Excellent mixing results are achieved in a gentle manner with the 1.5 mm shaking orbit
- The speed can be adjusted individually and steplessly from 150 to 1,350 rpm
- The timer function for up to 120 minutes automatically terminates the shaking function after the set time has expired and an acoustic signal sounds

### Titramax 101

With the larger shaking orbit of 3 mm, this model delivers first-class mixing results even for samples with solid content.

### Titramax 1000

For an increased sample throughput: Larger model with top plate for 6 microtiter plates and 5 kg loading capacity. Compatible with Incubator system 1000.

Model	P/N
Titramax 100	544-11200-00
Titramax 101	544-11300-00
Titramax 1000	544-12200-00

Also available as all-inclusive package, see page 29.

For Incubator 1000



More on the Incubator 1000 from page 26.



## Rotamax

The compact one – space saving and versatile

### Rotamax 120

- Space-saving model with a loading capacity of 2 kg
- With a wide range of attachments for an individual combination – with up to 16 pieces of 25-ml Erlenmeyer flasks
- The speed can be adjusted individually and steplessly from 20 to 300 rpm – for gentle mixing
- The timer function for up to 120 minutes automatically terminates the shaking function after the set time has expired and an acoustic signal sounds



Even when space is limited, best results are achieved with the compact 20-mm orbit shaker.

## Duomax

The versatile one – for Petri dishes, culture bottles, staining dishes and all standard vessels

Cell cultures are moved evenly and constantly. The tilting movement ensures excellent results, whether staining, washing or cell culture.

### Duomax 1030

- Medium-sized compact model with a loading capacity of 5 kg
- Can be integrated into the modular incubator and is therefore ideal for applications that require temperature control
- Model with a tilt angle of 5° for a gentle motion amplitude
- The speed can be adjusted individually and steplessly from 2 to 50 rpm – ideally suited for all common standard vessels
- The timer function for up to 120 minutes automatically terminates the shaking function after the set time has expired and an acoustic signal sounds
- Also available as model with 10° tilt angle for a stronger motion amplitude



Accessories see page 36

Model	P/N
Rotamax 120	544-41200-00

Accessories see page 35

Model		P/N
Duomax 1030	Tilt angle 5°	543-32205-00
Duomax 1030	Tilt angle 10°	543-32210-00

# Unimax

The resilient one – ideally suited for differently sized Erlenmeyer flasks

## Unimax 1010

- Medium-sized compact model with a loading capacity of 5 kg
- This shaker can be integrated into the modular incubator and is therefore ideal for applications that require temperature control
- With the 10-mm orbit, your samples are optimally kept in motion, especially in Erlenmeyer flasks
- The speed can be adjusted individually and steplessly from 30 to 500 rpm – for gentle mixing
- The timer function for up to 999 minutes automatically terminates the shaking function after the set time has expired and an acoustic signal sounds

The slow and uniform rotational movement of the Unimax models keeps the samples gently in motion.



For Incubator 1000

Accessories see page 36



Model	P/N
Unimax 1010	543-12310-00
Unimax 2010	542-10020-00

Also available as all-inclusive Unimax package with Incubator 1000, see page 29.

## Unimax 2010

For an increased sample throughput

- The large model with a useful area of 39×34 cm and 10 kg loading capacity for increased sample throughput
- For gentle mixing, the speed can be adjusted individually and steplessly from 20 to 400 rpm
- Optionally available with multi-tier design for an above-average sample throughput with low space requirement



Accessories see page 37

## Promax

The specialists – ideal for phase separation with steplessly adjustable shaking intensity

### Promax 1020

- Medium-sized compact model with a loading capacity of 5 kg
- Can be integrated into the modular incubator and is therefore ideal for applications that require temperature control
- A wide range of accessories and attachments for separatory funnels or Erlenmeyer flasks offers innumerable variation possibilities
- With a stroke of 32 mm, the Promax 1020 achieves the ideal motion for separatory funnels
- The speed can be adjusted individually and steplessly from 30 to 250 rpm – ideally suited for separation
- The timer function for up to 999 minutes automatically terminates the shaking function after the set time has expired and an acoustic signal sounds



With the right shaking intensity: the models are especially suitable for separation in separatory funnels.



Model	P/N
Promax 1020	543-22332-00
Promax 2020	542-20020-00

Accessories see pages 36/37

### Promax 2020

For an increased sample throughput and larger vessels. With 10 kg loading capacity, 20 mm stroke and speeds between 20 and 400 rpm – ideally suited for larger quantities.

## Polymax

The one with temperature-control – compatible with the modular incubation system

Three-dimensional movements and two different tilt angles for best results – e.g. when staining electrophoresis gels.



For Incubator 1000



Accessories see pages 36/37

Model		P/N
Polymax 1040	Tilt angle 5°	542-20020-00
Polymax 1040	Tilt angle 10°	543-32210-00
Polymax 2040	Tilt angle 5°	542-40005-00
Polymax 2040	Tilt angle 10°	542-40010-00

# Incubator 1000

The unique modular system combines everything in one: **Mixing, shaking, temperature-control** – completely without additional heating cabinet. Suitable for the platform shaker models of the 1000 series Duomax 1030, Polymax 1040, Titramax 1000, Unimax 1010 and Promax 1020.

## Heating module

The heating module gently heats the circulating air up to 65 °C. The integrated circulating fan ensures even heat distribution within the incubation hood.



## Platform shaker

Selecting a compatible model of the 1000 series.



## Transparent hood

Stepless locking, without condensate formation (PETG). Three different sizes are available to choose from.



**That's all it takes for a space-saving incubation system.**



## Incubator 1000 Module

Three options: A flat hood for microtiter plates, a high hood for standard vessels and a XL hood for Erlenmeyer flasks up to 2,000 ml.



### Heating Module for Incubator 1000

With 300 W heating power for fastest heating times up to 65 °C. The electric circulating air heating with extremely quiet fan guarantees the lowest noise level. The temperature accuracy is  $\pm 2^\circ\text{C}$  up to 50 °C or  $\pm 4^\circ\text{C}$  over 50 °C. Separate, digital display for continuous monitoring of set and actual values. With overheating protection to prevent thermal damage

P/N 549549-90010-00



### Flat Hood

#### For small vessels and microtiter plates

The flat hood has a low height of 163 mm and is perfectly suited for microtiter plates, Petri dishes, culture bottles and Erlenmeyer flasks from 25 to 100 ml

P/N 549-90040-00



### High Hood

#### For medium-sized vessels

The high hood has a height of 267 mm and is ideally suited for 500 ml Erlenmeyer flasks or tall vessels

P/N 549-90030-00



### High Hood XL

#### For large vessels

The incubation hood XL has a height of 428 mm and is suitable for 2,000 ml Erlenmeyer flasks

P/N 549-90060-00

## Packages

### Hei-MIX Shakers and Mixers



### Titramax ALL-INCLUSIVE PACKAGE

- Titramax 1000
- Heating module Incubator 1000
- Flat incubation hood

P/N 544-12209-00

### Unimax ALL-INCLUSIVE PACKAGE

- Unimax 1010
- Heating module Incubator 1000
- High incubation hood

P/N 543-12319-00



# Technical Specifications

## Hei-MIX Shakers and Mixers

Model	Reax top	Reax control	Multi Reax	Vibramax 100	Vibramax 110
<b>Motion</b>	circular vibrating	circular vibrating	circular vibrating	circular vibrating	circular vibrating
<b>Rotation speed</b>	0–2,500 rpm	0–2,500 rpm	150–2,000 rpm	150–1,350 rpm	150–1,350 rpm
<b>Rotation speed setting</b>	analog/±scale	analog/numbered scale	digital	electronic control	electronic control
<b>Orbit/stroke</b>	5 mm	5 mm	3 mm	3 mm	1.5 mm
<b>Operating mode</b>	automatic or continuous	automatic or continuous	timer or continuous	timer or continuous	timer or continuous
<b>Timer</b>	–	–	yes	yes	yes
<b>Power input</b>	51 W	51 W	50 W	31 W	31 W
<b>Weight</b>	2.8 kg	2.8 kg	9.8 kg	5.5 kg	5.5 kg
<b>Dimensions</b> w/d/h	134×172×105 mm	134×172×105 mm	270×410×172 mm	245×310×125 mm	245×310×125 mm
<b>Platform size</b> w/d	–	–	–	220×220 mm	220×220 mm
<b>Accessories included</b>	–	–	attachment for 12 or 26 vessels	non-skid rubber mat	non-skid rubber mat
<b>Load capacity</b>	–	–	1.5 kg	2 kg	2 kg
<b>Overheat protection</b>	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting
<b>Permissible ambient conditions</b>	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity
<b>Protection class</b> DIN EN 60529	IP 22	IP 22	IP 30	IP 30	IP 30

Model	Titramax 100	Titramax 101	Titramax 1000	Duomax 1030	Rotamax 120
<b>Motion</b>	circular vibrating	circular vibrating	circular vibrating	rocking	orbital
<b>Rotation speed</b>	150–1,350 rpm	150–1,350 rpm	150–1,350 rpm	2–50 rpm	20–300 rpm
<b>Rotation speed setting</b>	electronic control	electronic control	electronic control	electronic control	electronic control
<b>Orbit/stroke</b>	1.5 mm	3 mm	1.5 mm	–	20 mm
<b>Angle</b>	–	–	–	5/10°	–
<b>Operating mode</b>	timer or continuous	timer or continuous	timer or continuous	timer or continuous	timer or continuous
<b>Timer</b>	yes	yes	yes	yes	–
<b>Power input</b>	31 W	31 W	31 W	115 W	33 W
<b>Weight</b>	5.5 kg	5.5 kg	6.5 kg	8 kg	5.5 kg
<b>Dimensions</b> w/d/h	245×310×125 mm	245×310×125 mm	320×375×125 mm	320×375×185 mm	245×310×125 mm
<b>Platform size</b> w/d	220×220 mm	220×220 mm	290×258 mm	290×258 mm	220×220 mm
<b>Accessories included</b>	space for 4 microtiter plates	space for 4 microtiter plates	space for 6 microtiter plates	non-skid rubber mat	non-skid rubber mat
<b>Load capacity</b>	2 kg	2 kg	5 kg	5 kg	2 kg
<b>Overheat protection</b>	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting
<b>Permissible ambient conditions</b>	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity
<b>Protection class</b> DIN EN 60529	IP 30	IP 30	IP 30	IP 40	IP 30

Standard supply voltage: 230 V. Other supply voltages upon request.

# Technical Specifications

## Hei-MIX Shakers and Mixers

Model	Unimax 1010	Unimax 2010
<b>Motion</b>	orbital	orbital
<b>Rotation speed</b>	30–500 rpm	20–400 rpm
<b>Rotation speed setting</b>	digital	digital
<b>Orbit/stroke</b>	10 mm	20 mm
<b>Operating mode</b>	timer or continuous	timer or continuous
<b>Timer</b>	yes	yes
<b>Power input</b>	50 W	115 W
<b>Weight</b>	8 kg	16 kg
<b>Dimensions</b> <b>w/d/h</b>	320×375×125 mm	426×435×135 mm
<b>Platform size</b> <b>w/d</b>	290×258 mm	390×340 mm
<b>Accessories included</b>	non-skid rubber mat	non-skid rubber mat
<b>Load capacity</b>	5 kg	10 kg
<b>Overheat protection</b>	self-resetting	self-resetting
<b>Permissible ambient conditions</b>	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity
<b>Protection class</b> <b>DIN EN 60529</b>	IP 40	IP 20

Model	Promax 1020	Promax 2020
<b>Motion</b>	reciprocating	reciprocating
<b>Rotation speed</b>	30–250 rpm	20–400 rpm
<b>Rotation speed setting</b>	digital	digital
<b>Orbit/stroke</b>	32 mm	20 mm
<b>Operating mode</b>	timer or continuous	timer or continuous
<b>Timer</b>	yes	yes
<b>Power input</b>	50 W	115 W
<b>Weight</b>	8 kg	16 kg
<b>Dimensions</b> <b>w/d/h</b>	320×375×125 mm	426×435×135 mm
<b>Platform size</b> <b>w/d</b>	290×258 mm	390×340 mm
<b>Accessories included</b>	non-skid rubber mat	non-skid rubber mat
<b>Load capacity</b>	5 kg	10 kg
<b>Overheat protection</b>	self-resetting	self-resetting
<b>Permissible ambient conditions</b>	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity
<b>Protection class</b> <b>DIN EN 60529</b>	IP 40	IP 20

Model	Polymax 1040	Polymax 2040
<b>Motion</b>	wave	wave
<b>Rotation speed</b>	2–50 rpm	2–50 rpm
<b>Rotation speed setting</b>	electronic control	digital
<b>Orbit/stroke</b>	5/10°	5/10°
<b>Operating mode</b>	timer or continuous	timer or continuous
<b>Timer</b>	yes	yes
<b>Power input</b>	115 W	115 W
<b>Weight</b>	8 kg	16 kg
<b>Dimensions</b> <b>w/d/h</b>	320×375×195 mm	426×435×208 mm
<b>Platform size</b> <b>w/d</b>	290×258 mm	390×340 mm
<b>Accessories included</b>	non-skid rubber mat	non-skid rubber mat
<b>Load capacity</b>	5 kg	10 kg
<b>Overheat protection</b>	self-resetting	self-resetting
<b>Permissible ambient conditions</b>	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity
<b>Protection class</b> <b>DIN EN 60529</b>	IP 40	IP 20

Model	Reax 2	Reax 20/4	Reax 20/8	Reax 20/12
<b>Motion</b>	overhead	overhead	overhead	overhead
<b>Rotation speed</b>	20–100 rpm	1–16 rpm*	1–16 rpm*	1–16 rpm*
<b>Rotation speed setting</b>	analog	electronic control	electronic control	electronic control
<b>Orbit/stroke</b>	–	–	–	–
<b>Operating mode</b>	–	–	–	–
<b>Timer</b>	–	–	–	–
<b>Power input</b>	27 W	280 W	280 W	280 W
<b>Weight</b>	5.2 kg	23 kg	28 kg	33 kg
<b>Dimensions</b> <b>w/d/h</b>	510×180×235 mm	490×520×465 mm	770×520×465 mm	1050×520×465 mm
<b>Platform size</b> <b>w/d</b>	–	–	–	–
<b>Accessories included</b>	universal adapter	–	–	–
<b>Load capacity</b>	1 kg	30 kg	–	–
<b>Overheat protection</b>	self-resetting	self-resetting	–	–
<b>Permissible ambient conditions</b>	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity	5–31 °C at 80% rel. humidity, 32–40 °C decreasing linearly up to max. 50% rel. humidity
<b>Protection class</b> <b>DIN EN 60529</b>	IP 21	IP 21	IP 21	IP 21

Standard supply voltage: 230 V. Other supply voltages upon request.

\* On request also with 2–32 rpm.

## Accessories

A wide range of attachments and adapters for numerous applications. Perforated platforms in different sizes enable, for example, the individual equipment with holding clamps, separatory funnel holders or even a multi-tier design.

### For Reax top/ Reax control



#### Test Tube Tray, large

For flasks up to 50 ml

P/N 549-19000-00



#### Test Tube Holding Device

For secure holding of test tubes in continuous operation

P/N 549-20000-00



#### Attachment for 10 Test Tubes

For max. 10 reaction vessels with Ø 10 mm, length up to 60 mm

P/N 549-01000-00



#### Test Tube Stand

For up to 6 Eppendorf vessels (1.5 ml)

P/N 549-04000-00

### For Vibramax 100 / Rotamax 120



#### Tension Roller Attachment

Tension roller attachment with two tension rollers

P/N 549-81000-00



#### Spare Tension Roller

Additional tension roller, matching the tension roller attachment

P/N 11-008-007-08



#### Perforated Platform 100

With universal perforation for use with clamps for Erlenmeyer flasks

P/N 549-59100-00



#### Clamps for Tablar 100

Size	Erlenmeyer flasks	Max. equipment	P/N
1	25 ml	16	549-51000-00
2	50 ml	16	549-52000-00
3	100 ml	8	549-53000-00
4	250 ml	5	549-54000-00
5	500 ml	3	549-55000-00
6	1000 ml	2	549-56000-00

### For Vibramax 110



#### Test Tube Attachment

##### 12 mm

for max. 49 test tubes with Ø 12 mm, length up to 80 mm

P/N 549-82000-00

##### 16 mm

for max. 36 test tubes with Ø 16 mm, length up to 80 mm

P/N 549-83000-00

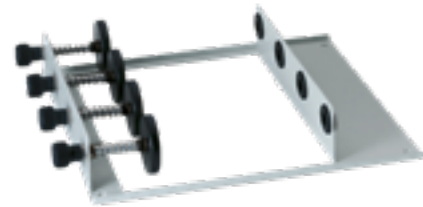


For Duomax 1030/Unimax 1010/Promax 1020/Polymax 1040



**Erlenmeyer Attachment**

For up to 22 Erlenmeyer flasks	25 ml	549-72000-00
For up to 14 Erlenmeyer flasks	50 ml	549-73000-00
For up to 9 Erlenmeyer flasks	100 ml	549-74000-00
For up to 5 Erlenmeyer flasks	250 ml	549-75000-00
For up to 4 Erlenmeyer flasks	500 ml	549-76000-00
For up to 2 Erlenmeyer flasks	1000 ml	549-77000-00



**Separatory Funnel Attachment**

Suitable for 4 conical separatory funnels, each 50 ml or 100 ml

P/N 549-78000-00



**Frame with Tension Roller**

Tension roller attachment with two tension rollers

P/N 549-70000-00



**Spare Tension Roller**

Additional tension roller, matching the tension roller attachment

P/N 549-71000-00



**Tablar 1000**

With universal perforation for use with clamps for Erlenmeyer flasks and separatory funnels

P/N 549-59200-00



**Clamps for Tablar 1000**

Size	Erlenmeyer flask	Max. equipment	P/N
1	25 ml	20	549-51000-00
2	50 ml	20	549-52000-00
3	100 ml	14	549-53000-00
4	250 ml	8	549-54000-00
5	500 ml	4	549-55000-00
6	1000 ml	4	549-56000-00
7	2000 ml	2	549-63000-00

For Unimax 2010/Promax 2020/Polymax 2040



**Frame Tension Roller**

For attaching the tension rollers to secure any kind of vessel (see design Promax 2020, page 24)

P/N 549-50000-00



**Spare Tension Roller**

Together with the base frame for securing any kind of vessel (order at least 2 pieces)

P/N 549-58000-00



**Multi-tier Attachment**

For multi-tier design incl. perforated platform 2000

P/N 549-62000-00



**Perforated Platform 2000**

For use with clamps for Erlenmeyer flasks and separatory funnels

P/N 549-59000-00



**Clamps for Tablar 2000**

Size	Erlenmeyer flask	Max. equipment	P/N
1	25 ml	36	549-51000-00
2	50 ml	36	549-52000-00
3	100 ml	23	549-53000-00
4	250 ml	12	549-54000-00
5	500 ml	9	549-55000-00
6	1000 ml	5	549-56000-00
7	2000 ml	3	549-63000-00

**Separatory Funnel Clamp**

250, 500, 1000 ml for Tablar 2000

max. 4 (250 ml), 3 (500 ml) or 3 (1000 ml) holding devices per tablar

P/N 549-57000-00

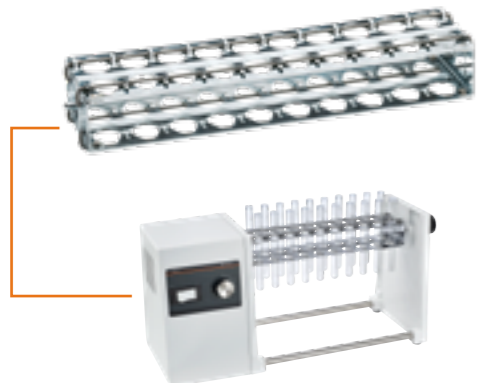
2000 ml for Tablar 2000

max. 2 holding devices per tablar

P/N 549-61000-00



## For Reax 2



### Adaptor for 20 Test Tubes

For max. 20 test tubes with  $\varnothing$  10–18 mm,  
loading capacity 1 kg

P/N 549-21000-00

## For Reax 20



### Tension Plate for Caps

For standard vessels with  $\varnothing$  94 mm

P/N 11-001-001-81



### Attachment

#### 0.5l

for 4x 0.5-l bottles

P/N 549-27000-00

#### 1.0l

for 4x 1.0-l bottles

P/N 549-26000-00