

## Platform Shakers – rocking

Focus on cell culture, mix in large media bottles and require a two-dimensional motion with flexibility to heat? The Duomax is available in two different angle configurations which are recommended for culture plates/bottles, media bottles and Erlenmeyer flasks to help cultivate cells



### Duomax 1030

#### The incubating model

- The Duomax 1030 is a medium-sized model and accepts load capacities of 5 kg
- Choose your angle between these two options: tilt angle of 5° for soft and gentle movements or tilt angle of 10° for a much stronger motion
- Set and continuously adjust the variable speed on the analog control knob from 2 to 50 rpm – Ideal for media bottles
- This model is suitable for the modular incubator system and is recommended for applications which require variable temperature control up to 65 °C
- An analog process timer allows for unattended operation and can be set from 1 to 120 minutes. When the set time has elapsed an acoustic alarm will sound and the operation stops

Features tilt angle of 5° P/N 543-32205-00  
Features tilt angle of 10° P/N 543-32210-00  
Accessories: Category D

## Platform Shakers - reciprocating

Are you missing the right shaker for separations in chemistry or for the performance of soil tests? All Promax models are designed especially for phase separations using separatory funnels or applications that require reciprocating motion!

### Promax 1020

#### The incubating model

- The Promax 1020 is a medium-sized model and accepts load capacities of 5 kg
- Wide range of accessories, attachments and dampers for separatory funnels available
- With a stroke length of 32 mm the Promax model performs an ideal motion for separatory funnels
- Set and continuously adjust the variable speed on the digital display from 30 to 250 rpm
- This model is suitable for the modular incubator system and is recommended for applications which require variable temperature control up to 65 °C
- An digital process timer allows for unattended operation and can be set from 1 to 999 minutes. When the set time has elapsed an acoustic alarm will sound and the operation stops



P/N 542-20020-00  
Accessories: Category E



P/N 543-22332-00  
Accessories: Category D

### Promax 2020

#### The resilient model

- Includes all Promax 1020 features, plus:
- The Promax 2020 is a large model and accepts a load capacity of 10 kg for high sample throughput
- With a stroke length of 20 mm this Promax model can mix larger volumes with ease
- Set and continuously adjust the variable speed on the digital display from 20 to 400 rpm – Ideal for separations
- An analog process timer allows for unattended operation and can be set from 1 to 120 minutes. When the set time has elapsed an acoustic alarm will sound and the operation stops

## Technical Specifications - Shakers and Mixers

Model	Reax Top	Reax Control	Multi Reax	Titamax 100	Titamax 101	Titamax 1000	Vibromax 100	Vibromax 110	Rotamax 120
Motion	vibrating	vibrating	vibrating	vibrating	vibrating	vibrating	vibrating	vibrating	orbital
Rotation speed (rpm)	0 - 2,500	0 - 2,500	150 - 2,000	150 - 1,350	150 - 1,350	150 - 1,350	150 - 1,350	150 - 2,500	20 - 300
Rotation speed setting	analog	electronic contr.	digital	electronic contr.	electronic contr.	electronic contr.	electronic contr.	electronic contr.	electronic contr.
Orbit (mm)	5	5	3	15	3	15	3	15	20
Angle (°)	-	-	-	-	-	-	-	-	-
Operating mode	automatic or continuous	automatic or continuous	timer or continuous	timer or continuous	timer or continuous	timer or continuous	timer or continuous	timer or continuous	timer or continuous
Input power (W)	51	51	50	31	31	31	31	46	33
Weight (kg)	2.8	2.8	9.8	5.5	5.5	6.5	5.5	5.0	5.5
Dimensions (w x h x d) (mm)	194 x 105 x 172	24 x 105 x 172	270 x 172 x 410	245 x 125 x 310	245 x 125 x 310	320 x 125 x 375	245 x 125 x 310	245 x 145 x 310	245 x 125 x 310
Platform size (mm)	-	-	-	220 x 220	220 x 220	290 x 258	220 x 220	140 x 140	220 x 220
Accessories included	-	-	2. layered attachment plates	spacers for 4 microtiter plates	spacers for 4 microtiter plates	spacers for 6 microtiter plates	non-skid rubber mat	non-skid rubber mat	non-skid rubber mat
Load capacity (kg)	-	-	1.5	2	2	5	2	2	2
Overheat protection	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting
Permissible ambient temperature (°C)	5-40 at 85 % rel. humidity	5-40 at 85 % rel. humidity	5-40 at 85 % rel. humidity	5-40 at 85 % rel. humidity	5-40 at 85 % rel. humidity	5-40 at 85 % rel. humidity	5-40 at 85 % rel. humidity	5-40 at 85 % rel. humidity	5-40 at 85 % rel. humidity
Protection class (DIN EN 60950)	IP 22	IP 22	IP 30	IP 30	IP 30	IP 30	IP 30	IP 30	IP 30

Model	Unimax 1010	Unimax 2010	Promax 1020	Promax 2020	Duomax 1030	Polymax 1040	Polymax 2040	Reax 2	Reax 20/4 Reax 20/8 Reax 20/12
Motion	orbital	orbital	rectrograding	rectrograding	rocking	wave	wave	overhead	overhead
Rotation speed (rpm)	30 - 500	20 - 400	30 - 250	20 - 400	2 - 50	2 - 50	2.5 - 50	20 - 100	1 - 16
Rotation speed setting	digital	digital	digital	digital	electronic contr.	electronic contr.	digital	analog	electronic contr.
Orbit / Stroke (mm)	10	20	32	20	5/10	5/10	5/10	-	-
Angle (°)	-	-	-	-	-	-	-	-	-
Operating mode	timer or continuous	timer or continuous	timer or continuous	timer or continuous	timer or continuous	timer or continuous	timer or continuous	-	-
Input power (W)	50	115	50	115	115	115	115	27	280
Weight (kg)	8.0	16	16	8.0	8.0	8.0	16	5.2	23, 28, 33
Dimensions (w x h x d) (mm)	330 x 125 x 375	445 x 135 x 435	330 x 125 x 375	445 x 135 x 435	330 x 125 x 375	330 x 125 x 375	445 x 248 x 435	510 x 180 x 235	490 x 465 x 520
Platform size (mm)	290 x 258	390 x 340	290 x 258	390 x 340	290 x 258	290 x 258	390 x 340	-	770 x 465 x 520
Accessories included	non-skid rubber mat	non-skid rubber mat	non-skid rubber mat	non-skid rubber mat	non-skid rubber mat	non-skid rubber mat	non-skid rubber mat	universal adaptor	1050 x 465 x 520
Load capacity (kg)	5	10	5	10	5	5	10	1	30
Overheat protection	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting	self-resetting
Permissible ambient temperature (°C)	0-50 at 80 % rel. humidity	0-50 at 80 % rel. humidity	0-50 at 80 % rel. humidity	0-50 at 80 % rel. humidity	0-50 at 80 % rel. humidity	0-50 at 80 % rel. humidity	0-50 at 80 % rel. humidity	0-50 at 80 % rel. humidity	0-50 at 80 % rel. humidity
Protection class (DIN EN 60950)	IP 40	IP 20	IP 40	IP 20	IP 40	IP 40	IP 20	IP 21	IP 21

Standard supply voltage: 230 V - other voltages upon request, please specify for order

# Certificate



To confirm the ability for continuous operation of the Test Tube and Platform Shakers

The Test Tube and Platform Shakers feature overtemperature safety circuits according to DIN EN 61010-1:2001 and DIN EN 61010-2-010:2003 and therefore are designed for continuous operation.

This statement is made under the precondition that all units are operated in accordance with the operation manual and in accordance with good practice standards for safety in laboratories, rules for accident preventions, and compliance with directions on hazardous materials.

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