

### Product Information Model 5533 Performance Unit Compacting - ToniVIB

#### Application

The vibrating table ToniVIB is developed for the standard-compliant compaction of pasty building materials in triple-gang moulds according to DIN EN 196-1, annex A.2-type A. The compliance to the standard is only secured combined with the quick clamping device (model 5530.002), the triple-gang mould (model 6012) and the triple-gang feeding hopper (model 6012.001). For moulds of other manufacturers we offer an adaptation of the system.

#### Advantages

- vibration in a closed loop to guarantee the selected amplitude
- large 3.5" TFT color display in ideal eye level
- parameter setting via touchscreen
- comfortable one-button-operation START / STOP
- variable input frequency of 48-63 Hz at 110 / 240 V
- standardized 50 Hz vibration frequency regardless of of the input frequency
- very accurate linearity and display accuracy of the vibration amplitude
- variable preselection of the vibration amplitude in steps of 0.05 mm
- adjustable vibration period of 1 - 655 seconds
- zeroising function of the vibration amplitude display
- acceleration- and frequency indication in service menu
- integrated calibration via software in a protected menu
- language switch (German, English, French)
- operating hours counter
- ergonomical working and operating height
- integrable into the TONI LAB
- designed according to the machinery directive 2006/42/EG as well as UL / CSA requirements

#### Design

A vibrating plate is integrated into the table top onto standardized anti-vibration mounts. It is driven by a magneto-actuator at a rate of 3000 cycles per minute. The controls and the TFT display with touchscreen operation are arranged in ideal eye level and operation position. Tabletop and vibrating plate coating, made of stainless steel, are part of the standard design. The mould clamping is realized by quick clamping elements.



Performance Unit ToniVIB

#### Working Principle

Prior to compaction the vibration amplitude has to be set with mounted empty mould. The vibration time is freely selectable up to 655 seconds by a digital timer. The set language, amplitude and compacting time are stored permanent.

During the compacting the actual and the set value for the vibration time as well as for the vibration amplitude are displayed.

The daily operation is done by START / STOP.

The moulds are filled during operation of the vibrating table. The amplitude alteration caused by the increasing weight of the material is compensated by the controller and held constant according to the set value. After the expiration of the selected time the compacting process stops automatically.

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#### Delivery Contents

Performance unit model 5533 including vibrating plate <sup>2</sup>

#### Required Accessories

to ensure the compliance to DIN EN 196-1

##### Clamping device, model 5530.002 <sup>2</sup>

with quick clamping locks for the clamping of the mould (model 6012).

##### Triple-gang mould, model 6012 <sup>3</sup>

for the preparation of prism-shaped mortar specimens of 40x40x160 mm, especially cement mortar according to EN 196-1, EN 1015-11, ISO 679 and ASTM C 348. Weight of the mould: 10.1 ± 0.11 kg

##### Triple-gang feeding hopper, model 6012.001 <sup>3</sup>

made of aluminium; weight 0.9 ± 0.03 kg.

<sup>1</sup> Because of the electronic compensation of the frequency to 50Hz the performance unit is running as well with an input frequency of 60Hz. The vibration frequency is 3000 min<sup>-1</sup> in both cases.

<sup>2</sup> Weight and dimensions of the vibrating plate are adapted for the triple-gang moulds of Toni Technik (model 6012). For moulds of other manufacturers design changes are needed.

<sup>3</sup> To accomplish the compliance of standard according.

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#### Optional Accessories

##### Clamping device adaption, model 5530.xxx

Adaption of the clamping device to moulds of other manufacturers.

Technical Data		
vibration frequency	Hz	50 ± 0.3
vibration amplitude	mm	0.05 - 1.00
display accuracy	mm	±0.05 at 0.75
vibration time	sec	1 - 655
power supply		
- voltage	V	110 / 230
- frequency	Hz	48 - 63
- power consumption	kW	1
dimensions of the vibrating plate		
- width x depth	mm	560 x 350
dimensions of the vibrating table		
- width x depth x height	mm	600 x 775 x 1400
- working height	mm	900
weight		
- gros / net	ca. kg	185 / 155