



## Laboratory Technology

# Jolting Volumeter Type STAV II



## Range of Application

The apparatus is used for the determination of the apparent volumes before and after settling, the ability to settle as well as the tapped density acc. to the European Pharmacopoeia, DIN ISO 787 Part 11, ISO 3953 and ASTM B 527-93. The possibility of using measuring cylinders of 10, 25, 50, 100, 250, 500 und 1000 ml opens a wide range of industrial applications for this kind of equipment. Investigation of powdery, fibrous and granular products can be performed.

## Construction

The distinguishing features of the new jolting volumeter STAV II in modern soft design are the round shape and the metallic surface.

The main parts of the STAV II are a modern silver metallic plastic housing with one-phase AC motor 230 V, the jolting mechanism with clamping device for the measuring cylinder and the ON and OFF switch. The new control unit with functional display for simplified operation is arranged in the housing. The ergonomic properties are improved due to the optimized arrangement of the display. In addition, the new design offers the advantage of easy cleaning.

The weight and graduation of 250 ml measuring cylinders is standardized according to ISO 4788.

Case dimensions: about 460 x 360 x 400 mm

Net weight: about 9 kg

Gross weight: about 11 kg

## Technical Data

- Speed of camshaft: 250 rpm +/- 15 rpm
- single-phase AC motor;  
single phase and condenser
- 50 Watt
- Weight of measuring cylinder and clamp:  
675 g +/- 45 g
- Dropping height of guide punch:  
3 mm +/- 0.1 mm
- Noise level acc. to DIN 45 635: about 80 dBA
- Cable with safety plug: 1.5 m long

Type	Article No.
STAV II	05 99 2000 0001
Measuring cylinder	125 99 0008
Noise damping hood	125 75 0001

## Noise Damping Hood

### Range of Application

By using the noise damping hood you can reduce the noise level of your jolting Volumeter.

Noise level without hood about 80 dB(A)

Noise level with closed hood about 58 dB(A)

Due to its decorative design the hood fits into any laboratory.

### Construction

Housing of wood-plastic-compound, pressed under high pressure, very stable.

Hood in the form of a front pane of plexi glass, transparent, counter and measuring cylinder can be watched when the hood is closed.

The front pane can be arrested in any desired position due to a memory hinge.

The noise-damping lining of Sonex foam material ensures the best possible noise absorption.

An extra thick bottom plate is coated with sound absorbing material preventing the resonance effect.

Dimensions: about 430 mm long, 450 mm wide, 575 mm high.

# Test Screening Machine JEL 200-II



## Range of Application

The unit serves to analyse dry powdery to coarse grained materials. By using sieves with different mesh openings respectively perforations, the material sample is almost tolerance-free classified into its grain composition.

The achieved reproducible values provide information making it possible to draw conclusions for milling, grinding and other processes.

## Operation

This analysis screening machine operates according to the horizontal screening principle with horizontal vibrations. Speed and length of stroke have been optimized based on decades of experience. In laboratories of the industrialized countries there are at present tens of thousands of ENGELSMANN screening machines which operate to this largely unchanged principle.

## Construction

The distinguishing features of the new test screening machine JEL 200-II in modern soft design are the round shape and the metallic surface.

The main parts of the JEL 200-II are a modern silver metallic plastic housing with one-phase AC motor 230V, the holding device for the test sieves and the ON and OFF switch. The new control unit with functional display for simplified operation is arranged in the housing. The ergonomic properties are improved due to the optimized arrangement of the display. In addition, the new design offers the advantage of easy cleaning.

Type	Article No.
JEL 200-II	05 34 1000 0015

## Technical Data

- 230 Volts
- 130 Watts
- 50 Hertz
- 15 mm stroke
- 278 r.p.m.
- noise emission acc. to DIN 45635 „70dB(A)“
- can be used with 8 sieve frames, each 25 mm high, plus cover and bottom or with 4 sieve frames, each 50 mm high, plus cover and bottom
- base area 400/420 mm
- height max. 623 mm
- weight without sieves approx. 18 kg
- gross weight approx. 33 kg
- case dimensions 45 x 45 x 55 cm

## Test Sieves

### Range of Application

Determination of the grain size distribution of bulk goods in laboratories and production. Our test sieves are only covered with selected wire fabrics acc. to DIN ISO 3310, A.S.T.M.E-11-87 or on request acc. to B.S. 410 and AFNOR. For especially precise separations, precision sieves with individual test certificates are recommended. For the analysing process itself, our test screening machine JEL 200-II is used.

# Drum Hoop Mixer RRM Mini-II



## Range of Application

The instrument is used for mixing powdery to granular products. It can also be applied for dyeing plastics, for mixing solid and liquid media and/or similar duties.

## Operation

The diagonal insertion of mixing receptacles in the drum hoop causes a tumbling movement during mixing. The arrangement of the receptacle walls and the rotation of the drum effect uniform, three-dimensional displacement of the feed.

## Construction

The distinguishing features of the new drum hoop mixer MINI II in modern soft design are the round shape and the metallic surface.

The main parts of the MINI II are a modern silver metallic plastic housing with DC motor 24 V, the drum hoop cast of Silumin with built-in receptacle base and the ON/OFF switch. The new control unit with functional display for simplified operation is arranged in the housing. The ergonomic properties are improved due to the optimized arrangement of the display. In addition, the new design offers the advantage of easy cleaning.

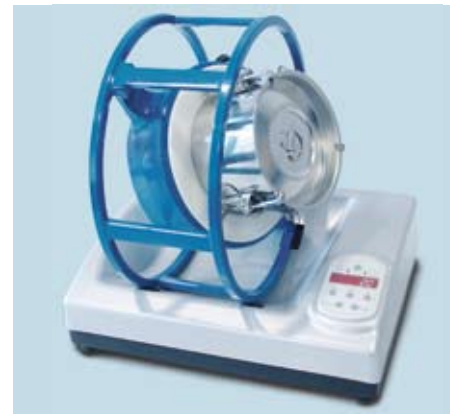
## Technical Data

- 230 V, 50 Hz, 45 W
- Speed infinitely adjustable 5 – 40 rpm
- Total weight: about 9 kg
- Noise level acc. to DIN 45635: 70 dB(A)
- The drum hoop mixer is designed for a filling degree between 40% and 70% and a maximum product weight of 5 kg

Type	Material	Article No.
Mini-II		05 75 6000 0007
Drum 5.5 l	plexi glas	125 65 0001
Drum 5.0 l	1.4571	205 13 6000 020 01
Adapter for optional use of 2 l and 5 l drums	Polyamid	205 75 6000 015 02
Drum 2.0 l	1.4571	125 13 0012

## Special execution

The pictures show a drum hoop mixer MINI which mainly consists of the modern silver metallic plastic housing – with built-in motor and roller track as well as the drum hoop with built-in drum base, for fitting of the 2.0 l stainless-steel receptacle with the necessary adapter of plastic. Stainless-steel receptacles for 5.0 l are also available.



# Automatic Pigment Muller JEL 25/53



## Construction

The base area of the machine is about 440 x 550 mm, the height without lever about 350 mm.

The grinding plates of glass are smoothly ground and have a diameter of 250 mm. By means of the weights included in the delivery optional loading with 8,5; 25; 37,5; 50; 62,5; 75; 87,5 und 100 kg is possible. The counter shows five digits.

The machine is provided with an impact-proof hard varnish coating, the rods for the movable parts as well as the holding rings of the glass plate are Chromium-plated, the knobs are made of plastic. All bearings are arranged in such a way that easy adjusting is possible in case the glass plate is worn out.

## Technical Data

Motor: 0.37 kW  
 Gear: 72 rpm  
 Weight without packing: about 80 kg  
 Packing / seaworthy: about 30 kg  
 Case dimensions: 70 x 60 x 50 cm

## Range of Application

The picture shows an Automatic Pigment Muller JEL 25/53 consisting of base plate with built-on gear motor, lower disk, the hinged upper disk, the bow with weights that can be removed manually, the pre-selector and behind it the ON/OFF switch. Both disks are provided with one glass plate each.

Type	Article No.
JEL 25/53 (RC)	05 01 4000 0001
JEL 25/53 (RC) with water cooling system	05 01 4000 0008

## Special execution

If desired, the JEL 25/53 is also available with a water cooling system in the upper glass plate. The liquid is led through a labyrinth consisting of cross ribs. Continuous feeding of cooling water is provided via the inlet and outlet nozzles for hose connection. The cooling plate can also be installed subsequently.

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