

Automatic Pigment Muller Type JEL 25/53-III

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Type	Article No.
JEL 25/53-III (DS)	100 40 665
JEL 25/53-III (DS) (with water cooling system)	100 37 578
glass plate	125 99 0012

Convincing Facts

- maintenance-free
- easy handling
- easy cleaning

Range of Application

This apparatus is used for grinding pasty color pigments in laboratories. The purpose of this process is to determine the consistency, density or coloring power of pigments. Test series can be carried out with product quantities of 3 to 7 g. It is also possible to test similar products under identical conditions.

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Short Description

- motor: 0.37 kW
- speed: 72 rpm
- net weight: approx. 80 kg
- dimensions: approx. 600 x 480 x 400 mm
- standard voltage: 230 V / 50 Hz
(special voltage is possible upon request)



Operation

The desired color is applied on the lower glass plate. The upper glass plate is put down by means of the lever and weighted using varying weights in order to define the pressing force of the glass plates. The upper glass plate of the automatic pigment muller is fixed while the lower plate rotates. This process serves to determine the consistency, density or coloring power of pigments.

Construction

The picture shows an automatic pigment muller JEL 25/53-III consisting of base plate, built-on gear motor, lower disk, hinged upper disk, loading handle with manually removable weights and preselection counter with ON/OFF switch. Both disks are provided with one glass plate each. The base area of the machine is about 600 x 480 mm, the height without lever about 400 mm. The grinding plates 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 and 100 kg is possible.

The application-oriented control unit with functional display is mounted in the housing. Optimal ergonomic properties are achieved due to the arrangement of the display. The machine has a high-grade powder coating, the rods for the movable parts as well as the holding rings of the glass plate are chromium-plated, the ball 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.

Special Execution

If desired, the JEL 25/53-III 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 nozzle for hose connection. The cooling plate can also be installed subsequently.