

Rosler Z2000 ASS-2-Turbo' Centrifuge

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| Stock No | VW1157 |
| Manufacturer | Rosler |
| Model | Z2000 ASS-2 Turbo |
| Year of Manufacture | 2002 |
| Serial | 29942/02 |
| Work Envelope (WxDxH mm) | 500 mm diameter Centrifuge |
| Other Info | 3 phase 400vac/11 kW |
| Location | Our Central Warehouse, Aldridge, UK |
| Weight (kgs) | 1400 kg |
| External Dimensions (WxDxH mm) | 1700 x 1110 x 2340 |

Description

Rosler Z2000 ASS-2-Turbo' Peeling Centrifuge

AUTOMATIC PEELING CENTRIFUGE

After vibratory finishing the effluent (dirty process water) contains abrasive and metal fines, frequently also oil and metals. For this reason the effluent must be cleaned before going to drain or being recycled back to the finishing process.

With the Rosler Z2000 ASS-2-Turbo' Peeling Centrifuge abrasive and metal fines as well as trapped oil are separated from process waters by way of centrifugal force and can then be removed as a semi dry mud.

The recycling of the process water from the finishing process not only reduces the consumption of water (up to 98 %), but it also reduces the usage of compound (up to 90 %) and the cost of waste disposal.

The Simatic OP7 PLC controlled, automatic centrifuges RZ2000 can clean up to 2000 litres of mass finishing process water per hour. The mud deposited on the wall of the rotating drum is automatically removed with a "peeling" knife and dropped into a mud container according to preset time intervals.

Due to the modular construction of the RZ model range, an optimum machine configuration is possible, which can be adapted to various customer-specific requirements. These are among others the selection of various sizes of waste water and process water tanks, cooling systems, additional process water pumps, dosing systems etc.

Cleaning by centrifugal force

With the centrifugal filter technology solid fines are removed from the process water with a centrifugal force which is up to 2,417 times higher than the gravity of the earth. Oil and / or extremely fine solids < 1 µm can be removed by adding flocculants. The compound utilised for the finishing operation remains largely in the process water for re-use in the finishing process.

Please see the attached video with a demonstration of the peeler centrifuge in operation

Technical

Capacity (l/h) 2,000
Centrifugal rating (g) 2,417
Type of drive V-Belt drive
Dimensions (mm) (LxBxH) 1700 x 1110 x 2340
Motor power-average (kW) 11

Limits of application

Centrifuges cannot be used universally. They are not suited for the following mass finishing applications:

- Chemically accelerated and paste processes
- Multi-stage processes with different compounds
- Pickling processes with acid
- Ball burnishing applications

Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.

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