



ELBH-CZ s.r.o., Havlíčkova 35, 375 01 Týn nad Vltavou, Czech Republic, ☎ tel., fax +420 385 722 891, 385 721 245, IČ: 28108710, DIČ: CZ 28108710, [www.elbh.com](http://www.elbh.com), [obchodni@elbh.cz](mailto:obchodni@elbh.cz)

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## **OPERATING INSTRUCTIONS FOR SANDING TABLE WITH DUST EXTRACTION type OBS**

These instructions define the conditions for assembly, operation and maintenance of the sanding table in wood processing plants which does not need connection to the central extraction.

This document does not define conditions for the electrical installation of engines and the order party ensures them, as far as the assembly, operational and safety are provided by the respective authorized companies.

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**Production and assembly:** ELBH-CZ spol. s r.o.  
Havlickova 35  
375 01 Tyn nad Vltavou

**Type identification:** OBS II





## I. GENERAL

### Protection and safety equipment

- 1) The machinery is delivered by the contractor, as a complete supply of the contractor. The machinery is delivered as a functioning complete.
- 2) The connection to the internal power electro distribution and the technological electro wiring is a customer delivery, incl. the protection and the project (unless the contract of work determines otherwise). The installation and connection of the electric equipment of the filtering device may be performed only by staff with professional qualifications according to ČSN 34 3205.
- 3) During the inspection, cleaning and repair the machine OBS II must be shut down from the operation, to avoid the automatic switching on the machinery. The machinery must be secured so that it could not be switched on during the repair.

### 4) Description and determination of the permissible ways of using in the wood processing plant:

#### 4.1

Types of sanding tables:

OBS I – a rear outlet with filter cartridge into the space

OBS II – an exhaust channel with filter outlets, outlet over the table

OBS III – a rear outlet into the central extracting machinery of the plant

Sanding table is used for extraction and filtration of air polluted with sanding dust generated during grinding of wood products. The process of grinding is carried out on the wooden grates, which are fitted with felt strips to avoid damage of the product when handling on the table. Air with sanding dust is sucked through these grates, the filter cartridges (MULTISACK K-35-XV, class G4, dimensions 592x592x500mm) capture the dust and clean air goes through the back side of the desk into the workshop space (OBS I) or by pipeline and outlet, that is equipped with fabric filter (FF 560 GX class F5 filtration, the degree of separation ability of 98%, size 980 x 980 x 20 mm), is returned to the grinding table (OBS II). If the table is connected to the central extraction (OBS III), it is not provided with their own filters. Air filtration is provided by a central filter unit, for example, FZS, FZP and JET PULS filtering device.

#### 4.2

The machinery works according to the projected capacity, ie in compliance of the required maximum moisture 40% of the processed material. It is necessary to be observed for proper function of the fabric filters.

#### 4.3

For the proper function of the filtering machinery it is necessary to observe the terms of





the required capacity, for which the device was designed.

#### 4.4

Regeneration, cleaning of the filtering fabric should be performed depending on the operation.

5) The device must not be used for any other conditions than those for which it was delivered!

## II. TECHNICAL REQUIREMENTS AND MAINTENANCE

6) When using the machinery according to the operational conditions, there are not necessary any spare parts manufactured by the manufacturer of the grinding table. Any possible service is provided by the manufacturer, including the spare parts supplied to the repair.

7) If the machinery is in operation, any manipulation with it – outside and inside – is strictly prohibited (opening the filtration device, removing engine covers, manipulation with the textile filters etc.).

8) The attendant will be trained in a protocol by the firm ELBH-CZ spol. s r.o. at the site when the machinery is in operation, including instructions for maintenance.

9) The maintenance of the machinery consists in manual cleaning of the filtering fabric. Wood dust falls into the two separate drawers that are emptied, if needed. At returning the drawers it is necessary to check the state of the seal to prevent dust escape. It is checked the operation of the fan and engine bearings (overheating) and V-belt tension. The access to the engine and the fan after removing of the sheet cover is below the wood grate. Carry out the cleaning of the filter fabric carefully to avoid its damage. Replace it, if necessary. The replacement is carried out simply by sliding the frame out.

10) When the machinery is used improperly, the contractor does not guarantee the service.

## III. PUTTING INTO OPERATION

11) . At first putting into operation it is necessary check the correct direction of the fan revolution. After that the check of the entire system is carried out with the focus on the leaks.





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## V. INSTALLATION, REMOVAL AND SERVICE

12) Neither assembly nor disassembly can be carried by the client workers. With occurrence of any failure call the service technician of the ELBH-CZ spol s r.o.

tel +420385721245, +420602 654 354, which, as an authorized firm, is the only one that may carry out assembly and disassembly of the machinery.

13) The attendant will be trained in a protocol by the firm ELBH Ltd. at the site when the machinery is in operation, including instructions for maintenance.

14) If there is any improper use of the machinery, the contractor does not guarantee for any damages in the plant and on the appliance.

15) Do not manipulate with the machinery or remove it anywhere.

17) After assembly, the machinery is always tested and then handed over by the completion certificate about the testing in operation by the firm ELBH-CZ.

