

USER MANUAL



Grinding-Welding Station SLO

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1. INTRODUCTION

This user manual is intended for the user of the **SLOT** device. Its purpose is to provide the user with instructions on the use, assembly, commissioning and operation of the device.



Carefully read this manual before installing the device at the workplace and using it.



Due to the constant improvement of its products, the manufacturer reserves the right to make constructional changes aimed at increasing the utility values and safety of use.

2. APPLICATION

Grinding-Welding Station **SLOT** is designed for extracting air polluted with dry dust emitted mainly during welding works, but also during other processes such as wood processing, grinding, metal deburring, etc.

After replacing the grate, it can be used to extract dust resulting from manual cutting with a plasma torch – see below – Table 3 Additional equipment – Replacement grates.

Dust extraction takes place directly at the source of their emission, from below through the suction chamber with a grate and from the side through the side suction chamber.

The stand requires a connection to an exhaust fan, filtration device or central extraction system with appropriate parameters - see below - Table 1 Technical data of **SLOT** stands.

3. MANUFACTURER'S DISCLAIMER

- The manufacturer is not liable for damages resulting from incorrect and improper use of the device.
- It is unacceptable to install any additional elements not included in the device or equipment on the device.
- Unauthorized alterations and modifications to the device are not allowed.
- The device should be operated and repaired by an authorized and trained person.
- Protect all machine components against mechanical damage.
- The manufacturer is not liable for bodily injury resulting from incorrect use.
- Before installing the device, check the load capacity of the structural components to which it will be attached. Incorrect, careless or unstable mounting of the device may damage it, and also pose a real threat to people nearby.

4. TECHNICAL DATA

Table 1 Technical data of SLOT

Type of SLOTS	Part no.	Recommended volume flow of fan [m ³ /h]	Mass [kg]	Load capacity * [kg]
SLOT 1600	813S13	1600	57	500
SLOT 2000	813S14	2000	75	
SLOT 3000	813S15	3000	94	
SLOT 4000	813S16	4000	113	

* Load capacity is given in relation to the entire surface of the working grate

5. STRUCTURE AND FUNCTION

Grinding-Welding Station **SLOT** is a chamber with a grate constituting the storage table and a side lashing mounted above the grate.

Each station has a connection stub on both sides of the chamber. There is a drawer for accumulating dust under the grate – see Figure 1.

When using a device for manual cutting with a plasma torch, a replaceable grate should be used instead of the standard one – see Table 3.

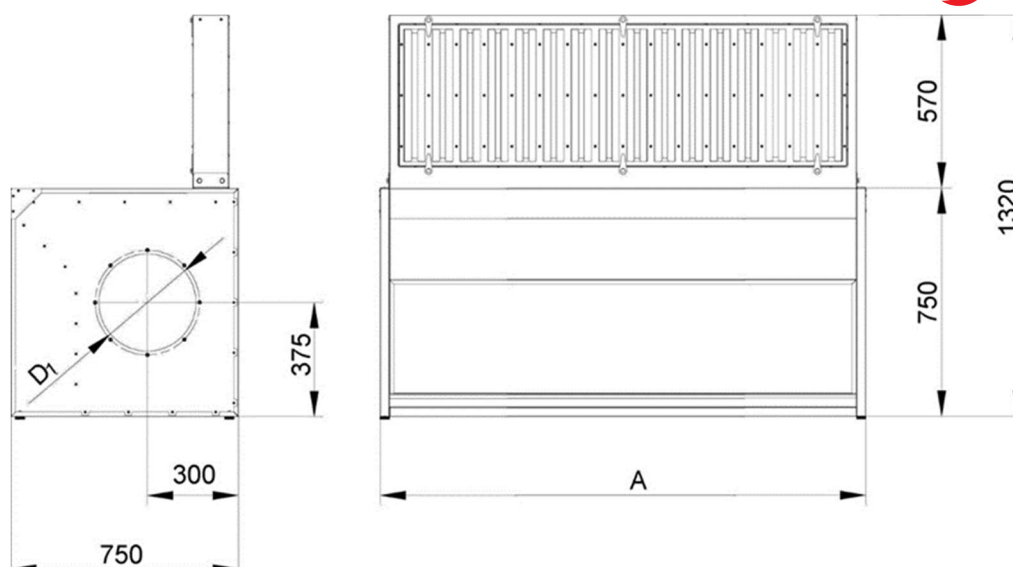



Figure 1 Construction and dimensions of SLOT

Note: Dimensions in the drawing above are in millimetres!

Table 2 Characteristic dimensions of SLOT

Type of SLOTS	Mass [kg]	A [mm]	D1 [mm]
SLOT 1600	57	800	200
SLOT 2000	75	1200	250
SLOT 3000	94	1600	315
SLOT 4000	113	2000	315

Table 3 Additional equipment – Replacement grates

Type of grates	Part no.	Description
	R-1600	Thanks to the exchangeable grate, you can effectively remove debris from manual plasma cutting. The grate is mounted in place of the standard grate.
	R-2000	
	R-3000	
	R-4000	

6. INSTALLATION AND COMMISSIONING

Grinding-Welding Station **SLOT** should be placed on an even and levelled surface, and then connected to an extraction system with adequate capacity – see above – Table 1 Technical data of **SLOT**.

7. OPERATIONAL USE

The device requires no special treatment during operation. Usage boils down to cleaning the stand of accumulated dirt on the grate surface and in the drawer and emptying the drawer of dust. Interferences in the operation of the device and the procedure in such cases are described below – see Table 4.

8. TROUBLESHOOTING GUIDE

Table 4 Typical work disruptions, causes, and remedies

DISRUPTIONS	CAUSES	REMEDIES
reducing the amount of exhausted air	overfilled waste container	empty container of impurities
reduction in the amount of sucked air combined with an increase in noise	an interfering object is stuck in the installation	unblock the extraction system
larger contaminants escape	open waste container	properly close the waste container

9. MAINTENANCE INSTRUCTIONS

SLOT station maintenance consists of cleaning the station of accumulated dirt on the grate surface and in the drawer as well as emptying the dust drawer. Additionally, tightness and correctness of connection of suction hoses should be checked.

10. OHS MANUAL



Commissioning and operation of the device may take place only after reading this manual. The device is not dangerous, provided it is carefully installed following these instructions!



Due to the presence of sharp edges and corners, during any work such as assembly, disassembly, repair or inspection, it is necessary to use personal protective equipment as well as work clothing and footwear!

11. TRANSPORT AND STORAGE

During transport, protect the device against damage, slipping, dents and precipitation. The device should be stored in a dry and ventilated room.

Transport and reloading should take place in a way that eliminates damage or dents to the device, as well as damage to the packaging or blurring of markings appearing on it.

12. TERMS OF WARRANTY

The warranty period is specified in the device **Warranty Card**.

The warranty does not cover:

- mechanical and electrical damages of the device caused by the user,
- damage resulting from improper use or failure to comply with these operating instructions,
- damage resulting from improper transport, storage or improper maintenance.



Non-compliance with point 3 “MANUFACTURER'S DISCLAIMER” of this manual, especially the unauthorized modification of the device or its improper use will void the warranty!