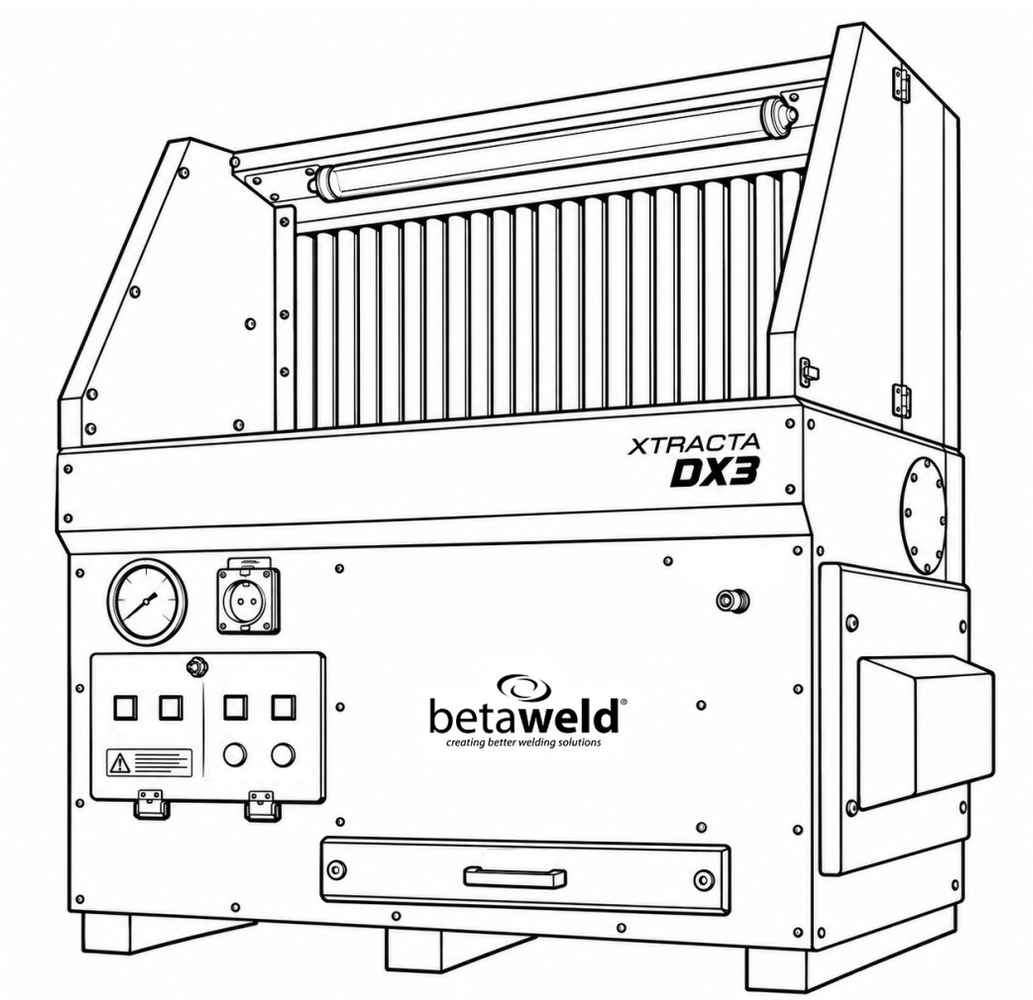
EN

betaweld®
creating better welding solutions

OPERATING INSTRUCTIONS



XTRACTA
DX3

WELDING DOWNDRAFT TABLE WITH SEMI-AUTO FILTER CLEANING SYSTEM

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VERSION
V1 | 01.11.2026

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SAFETY PRECAUTIONS

Explanation Of Safety Informations

- Safety symbols found in the manual are used to identify potential hazards.
- When any one of the safety symbols are seen in this manual, it must be understood that there is a risk of injury and the following instructions should be read carefully to avoid potential hazards.
- During operation of the welding fume extraction system, keep third parties other than the operator, especially children, away from the working area.

Comprehending Safety Precautions

- Read the user manual, the label on the machine and the safety instructions carefully.
- Make sure that the warning labels on the machine are in good condition. Replace missing and damaged labels.
- Learn how to operate the machine, how to make the checks in a correct manner.
- Use your machine in suitable working environments.
- Improper changes made in your machine will negatively affect the safe operation and its longevity.
- Operate your machine in convenient working areas. Improper modifications that can be made on your machine affect the safety of your machine negatively and shorten its lifetime.

Electric Shocks Can Kill

Make certain that the installation procedures comply with national electrical standards and other relevant regulations, and ensure that the machine is installed by authorised persons.

- Installation procedure must comply with national electricity standards and other relevant regulations and ensure that installation is performed by qualified persons.
- Wear dry insulating gloves free of damage and body protection.
- If damage is detected on any of the cables of the machine, please contact an authorised professional and disconnect the power supply cable from the electrical outlet.
- The unit is manufactured according to CE security standards.
- Turn off the machine, when not in use.
- Disconnect the power connections and/or plugs or turn off the machine before repairing the unit.
- Be careful while working with a long input power cord.
- Frequently inspect all the cables against damages. Repair or replace the damaged or uninsulated cables immediately if damaged.
- Make sure that the electric line is properly grounded.

Welding Wires Can Cause Injuries

- Keep all the protectors such as covers, panels, doors, etc. of the machines and devices close and locked.
- Wear steel capped shoes to prevent the dangers and possibilty of heavy falling objects.

Maintenance Done By Unauthorised Persons On The Machines And Apparatus May Cause Injuries

- Electrical equipment should not be repaired by unauthorised persons. Failure to do so may result in serious injuries or death.
- Serious malfunctions and fire may occur and the users can be seriously injured as a result of the services provided by unauthorised people regarding the smoke, dust, odor absorption and filtration systems.

Falling Parts May Cause Injuries	• Incorrect positioning of the smoke, dust, odor absorption and filtration systems and other equipment may cause serious injuries for people or may damage objects. • Always use the handles when relocating the filtration system. Never pull from the cables or the flex arms. • Before carrying the smoke, dust, odor absorption and filtration systems, unscrew all the interconnections, lift and carry the small ones from their handles and the larges ones from their carriage rings or by using appropriate lifting equipment, such as forklifts. • Install your machine on flat platforms having maximum 8-10° slope ensuring it does not fall over and overturn. Choose areas where there will be no risk of tripping over cables, flex arms and hoses and preventing the exit of the air absorbed. In order to restrict the movement of the mobile system, lock the front wheels. • Ensure that operators can easily access the settings and connections on the machine. • Observe the warning lights on the control panel and follow the instruction manual.
Overuse Can Cause Overheating Of The Machine	• Allow the machine to cool according to the operating cycle rates. • Observe the coarse filter and main filter operating hours and replace them when due. • Do not block the filtered air outlet of the machine. • Do not place filters in the ventilation openings of the machine without the manufacturer's approval.
Power Supply Failure	• The energy supply or fluctuations in the power supply after any interruption or interruption in the power supply to the machine can cause a hazardous situation. • Machines should not start unexpectedly. • The parameters of the machines should not be changed if such a change may lead to a dangerous situation. • No moving parts of the machine or any parts held by the machine should fall or dislodge. • Automatic or manual stopping of moving parts in any way is prohibited. • The protective devices must remain fully active or issue a stop command.
Protection	• Do not expose the machine to rain, avoid splashing water or exposing to steam. • Do not absorb flammable, explosive, heavy oil vapor, petroleum products or liquids. This may cause serious injury, death, fire, explosion, and major damage.
Energy Efficiency	• Turn off the machine when not in use. • This will also extend the life of the filters.

⚠ IMPORTANT WARNING! APPLICATION AND USAGE RESTRICTIONS

These products are designed exclusively for use with dry dust and fume extraction. Filters may ignite upon exposure to sparks; aluminium laser cutting; heavy welding fumes; arc-air gouging; extraction of aggressive fumes and gases (e.g., vapors from acids, alkalis, or solder paste containing lithium); high-temperature gas removal; grinding of aluminium and magnesium; flame spraying; cement dust extraction; sawdust, wood dust, etc.; cigarettes, cigars, oily tissues, and other burning materials, particles, objects, or acids; explosive environments or explosive materials/gases.

TECHNICAL INFORMATION

1.1 General Information

XTRACTA DX3 units are used for extracting and filtering grinding fumes & dust of work pieces with less than 15cm length. These extraction units can be used with variable tray and cover options.

WARNING

Improper use will result in dust and smoke not absorbing correctly, and respiratory tract may be damaged!

KEEP THIS USER MANUAL SAFELY STORED.

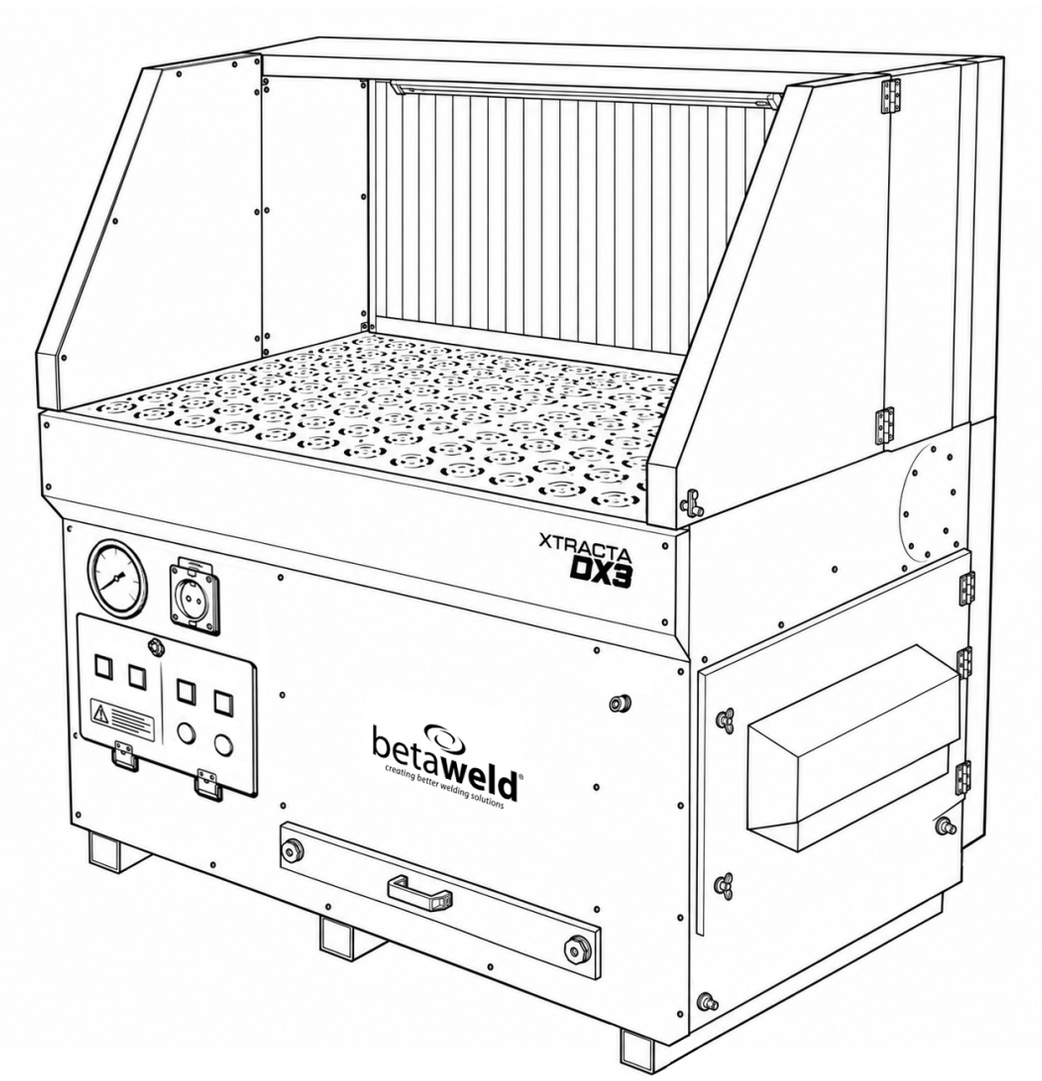


Figure 1 : XTRACTA DX3 Unit
Isometric View

1.2 Product Label

betaweld® creating better welding solutions	CE
Art Name: XTRACTA DX3	Serial Number:
EN ISO 12100 / EN 61000-6-2 / EN 61000-6-4 / EN 60335-1 / EN 60335-2	
3~N/50-60Hz	Voltage: 415V / Power: 2.2kW
betaweld.com.au	

1.3 Technical Details

SPECIFICATIONS	XTRACTA DX3	UNIT
Part Number	6069	
Fan Capacity (Max @500 PA)	6,000	m^3/h
Motor Power	2.2	kW
Avg. Surface Airflow	1 - 1.2	m/s
Filtration Details	Antistatic Cartridge	Filter type
	M5- 2x10 m^2	Class
	Semi-Auto X-Pulse Cleaning	Filter cleaning
	E12 - 40m^2	Final filter
Lighting	21W - 24V DC - 6500K - IP65	with LED
Electric & Pneumatic Hand Tool Connection	Socket 240V	Electric
	Chrome Nitto Style 30sm	Air
Shield Height	650	mm
Dimensions	1055	W
	1700	L
	1015	H
Weight	300	kg

NOTE: Except for basic information, the informations shown in the tables may vary according to the order.
The product label is updated according to these variables.

INSTALLATION

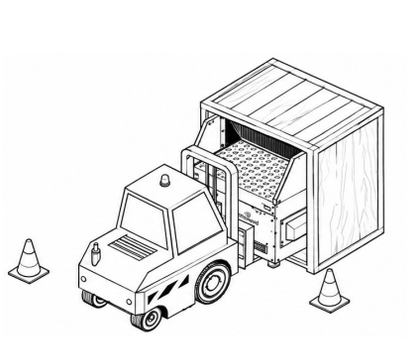
2.1 Implementation of the Unit

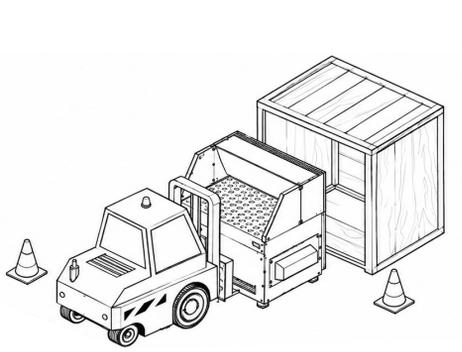
- Connect the 5 x 415V round, spring-loaded, capped, three-phase electric socket(*) on the device to a suitable outlet and make sure that the entire unit is complete as described in the user manual.
- Switch the unit on by the On-Off button.
- Control the “Motor-Incorrect Rotation Direction” red lamp on the control panel. If the red lamp illuminates, the suction motor is reversed and the suction will be too weak. In this case, change the place of 2 phases through the three-phase electrical plug. This must be done by a qualified electrician. After the displacement of the phases, the suction motor will rotate in the correct direction and strong suction will start and the red warning light will go out. Your unit is ready to use.
- The “Filter in Good Condition” green lamp will illuminate in the control panel. This lamp indicates that the filter is not full.
- When the filter is full, the “Change Filter” red lamp will illuminate. In this case, change the HEPA filter immediately.

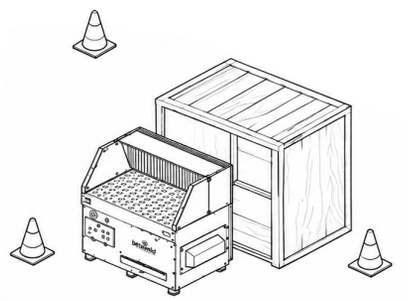
Use only BETAWELD® branded filters, because XTRACTA series grinding fume and dust extraction units are designed to use the filters in the most efficient and effective way. Betaweld® filters are Eurovent certified.

READ OPERATION SECTION FOR DETAILS

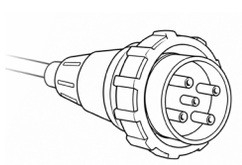
2.2 Transportation, Unboxing and Positioning







1. Carefully remove the wooden shipping crate front cover
2. Use a forklift to remove the unit from the shipping crate
3. Once you reach the desired position, slowly lower it to the floor
4. You can now run it by completing the connections (as specified)



(*) 5 x 415V round, spring-loaded, capped, three-phase electric socket

OPERATION

3.1 Command Panel

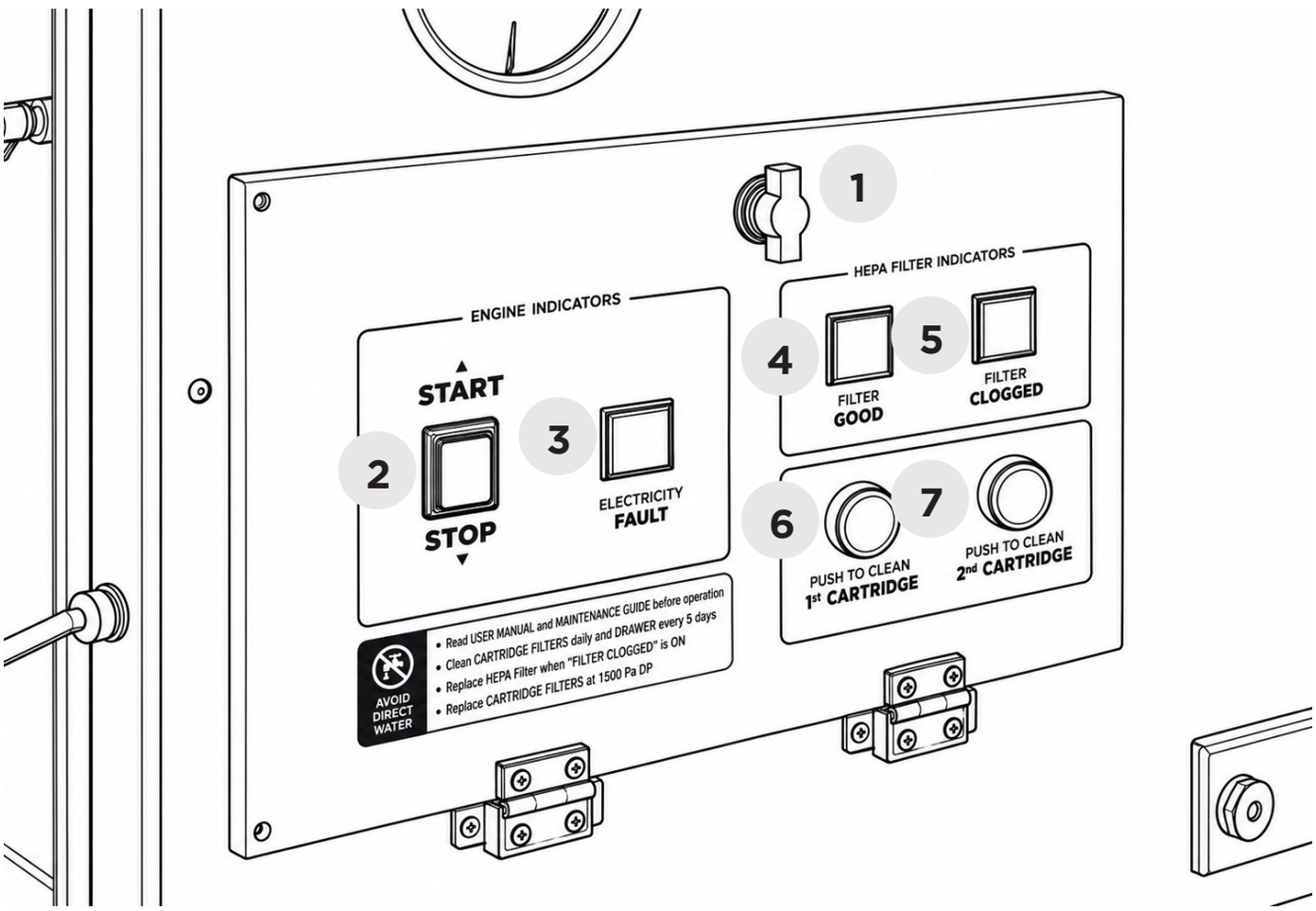


Figure 2 : XTRACTA DX3 Command Panel

1. Panel Lock / Release: Disconnect electrical connections before opening the electrical panel.
2. Start / Stop Switch: Main power switch for unit.
3. Wrong Rotation Light: When the light comes on, stop the unit and check the electrical connections.
4. HEPA Filter Good: When the Green Light is on, the final HEPA Filter is ready for use.
5. HEPA Filter Clogged: When the Red Light is on, it means that the Final HEPA Filter is full. Replace it with a new one.
6. Automatic Cleaning Button for Cartridge Filter #1: Clean the filters by pressing the button at the times specified in the manual.
7. Automatic Cleaning Button for Cartridge Filter #2: Clean the filters by pressing the button at the times specified in the manual.

OPERATION

3.2.1 Filter Life

After a certain period of operation, the filters must be replaced. This is related to the amount of dust, gas and fume collection. However, if the filter change signal (5) is received, the filter should be immediately replaced. Depending on the application, filter exchange may also be required earlier.

Recommended replacement intervals are as follows:

NEVER OPERATE THE MACHINE WHEN THE FILTER COVERS ARE OPEN AND ELECTRICITY IS CONNECTED!!

FILTER PART	CHANGING PERIOD
Cartridge Filter (2 piece)	When Pressure Gauge approaches 1500 Pa
Cassette Filter (HEPA)	When Red Lamp (5) on the command panel lights up (HEPA Filter Clogged)

All the filters are non-reusable. Manual cleaning may eliminate the filter characteristic. Contaminants can pose a threat for your health by penetrating into the air.

See: Filtering System Maintenance Checklist

3.2.2 Maintenance and Annual Controls for Filters

1. Always comply with the applicable safety rules during maintenance and repair. The power supply must be disconnected from the mains before any maintenance or repair work.
2. **Once Every 3 Months.** Clean the labels on the device. Repair and/or replace worn, and torn labels. Maintain broken, ruptured, worn cables and cords; if required, replace with new ones. Clean and tighten moving parts.
3. **Once Every 6 Months.** Open the filters and clean drawers of the machine with dry air.

3.2.3 Cartridge Filter Maintenance

- To use this feature, you must activate the X-Pulse system when you received a Filter Full warning (see Pressure Gauge). You must press the filter cleaning buttons labelled #6 and #7 as shown on figure 2.



For efficient cleaning, it should be repeated 6 times at 10 second intervals. At least 2 times a day

- Filter Slot cover must be closed
- Waste Drawer must be closed

3.2.4 Cleaning or Changing the Filters

- Remove the Final HEPA Filter, which gives a clogged warning (HEPA Filter Indicators #5), from its slot. Destroy the old filter so that it cannot be used again.
- Before replacing the roughing or main filter, turn off the unit from the on-off button and unplug the electrical plug.
- When replacing the filters, use gloves and a dust mask.
- Unlock the filter housing cover and open the cover.
- Remove and check the front roughing filter from the holder. If the front roughing filter needs to be changed, put it in a locked bag and reserve it for disposal. Place the new filter in the holder and replace.
- Remove the main filter. Place it in a special locked bag and reserve for disposal. Place the new filter in its place, paying attention to the direction of the arrow and lock the filter slot cover and the unit is ready for operation again.

3.2.5 Filters Disposal

The user of the extraction system is responsible for the disposal of filters in accordance with national legal directives and regulations.

MAINTENANCE AND SERVICE

4.1 Troubleshooting

For any other malfunctions that may occur, please contact an authorised service. Do not allow third parties to intervene in the system without the written permission of the authorised service.

FAULT	REASON OF THE FAULT	ACTIONS TO BE TAKEN
Unit does not suck	Fresh air output is closed	**Control the fresh air flow, if required, repair the problem**
Suction is low	Filter has reached the saturation point	**Slightly loosen the fibre nut**
	Motor is rotating in reverse direction	**Control the return direction and the phase and change**
	Fresh air output became contracted	**Control the fresh air output, if required, repair the problem**
	Suction channel is contracted	**Control the suction channel, if required, repair the problem**
System does not activate	Malfunction indicator lamp illuminates	**Ensure that the mains connection is correct and open the motor protection switch**
	There is no electricity in the mains	**Control the connection, if required, repair the problem**
Not enough/no suction or Not enough/no filtration	Filters may be clogged	**Control the connection, if required, repair the problem**
		Check the Manometer pin at least on the Yellow area. If the pin is on the Red, replace filters

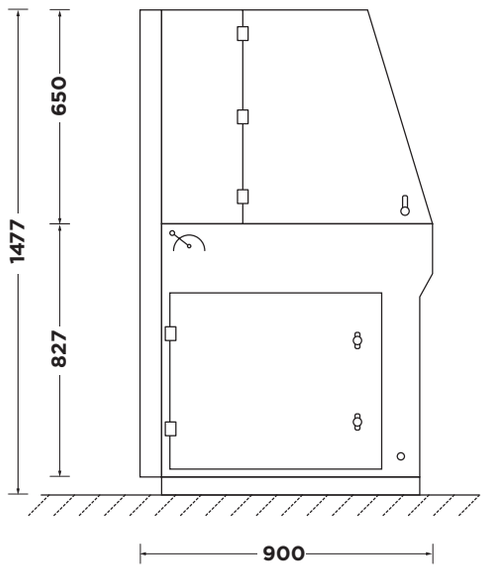
4.2 Filtering System Maintenance Checklist

ITEM TO BE CHECKED	CHECKING TIME	MAINTENANCE TYPE	RESPONSIBLE PERSONNEL	CHECK PERIOD
Checking for Holes, Cracks, Leakage	**Before** the machine is started	**Check the unit for any holes, cracks, leaks on structure.**	User	**Daily** Control
Sound and Vibration Check	**Each time** the machine is started	**Check that the unit is not making a different sound and vibrating. Check if the filter good light is on (green).**	User	**Daily** Control
HEPA Filter Check	**Each time** the machine is started	**Check the HEPA filter lights. Best practice is to have; the green filter good light on.** If the filter clogged red light is on see: 4.1.	User	**Daily** Control
Cartridge Filters Check	**Each time** the machine is started	**Check the manometer pin is on the Green or at least yellow area.** If the pin is on the red area see: 4.1	User	**Daily** Control
Fan Rotation Direction Control	**Each time** the machine is started	**Check if the Wrong Rotation light is on or not. If the light is on** (red), **then the phases need to be checked again and must be connected correctly.**	Authorised Person	**Daily** Control
Dust Waste Tray	**Once** a day	Clean the dust collection tray to dispose of dust waste under appropriate conditions.	User	**Daily** Control
Paint and Rust Control	**Every** month	**Check if the paint is in good condition and whether there is rusting on the main unit.**	User	**Monthly** Control
Power Feed Cable Check	**Every** month	**Check if there are any damages on the power feed cable.**	User	**Monthly** Control
General Control	Once **every 3 months**	**Operation and durability control of all functions of the device.**	User	**Quarterly** Control
Detailed Control	Annually	**Operation and stability control of all functions of the device + Motor + Fan Check ups.**	Authorised BETAWELD® Service (According to customer request)	**Once during the year**

To eliminate water accumulation caused by condensation in the air tank, open the drain valve located under the tank weekly and ensure that it remains dry.

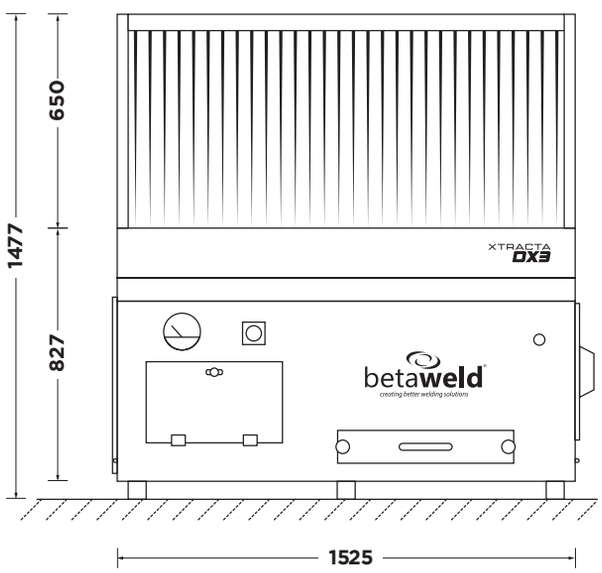
ANNEX

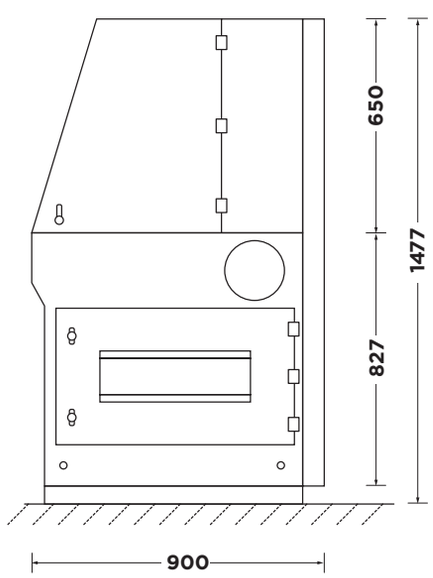
5.1 Mobile Unit Dimensions (mm)



Left side

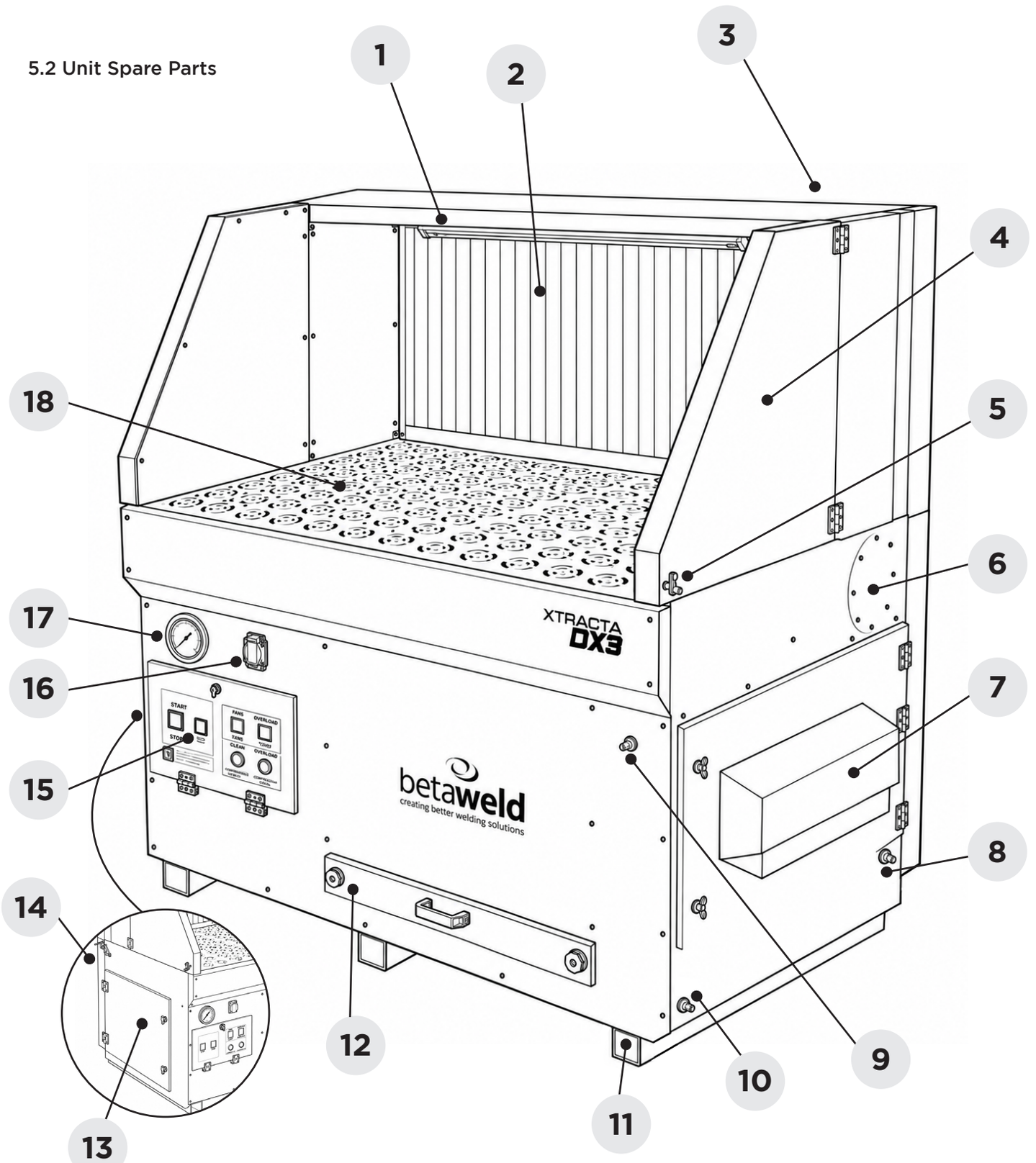
Front side





Right side

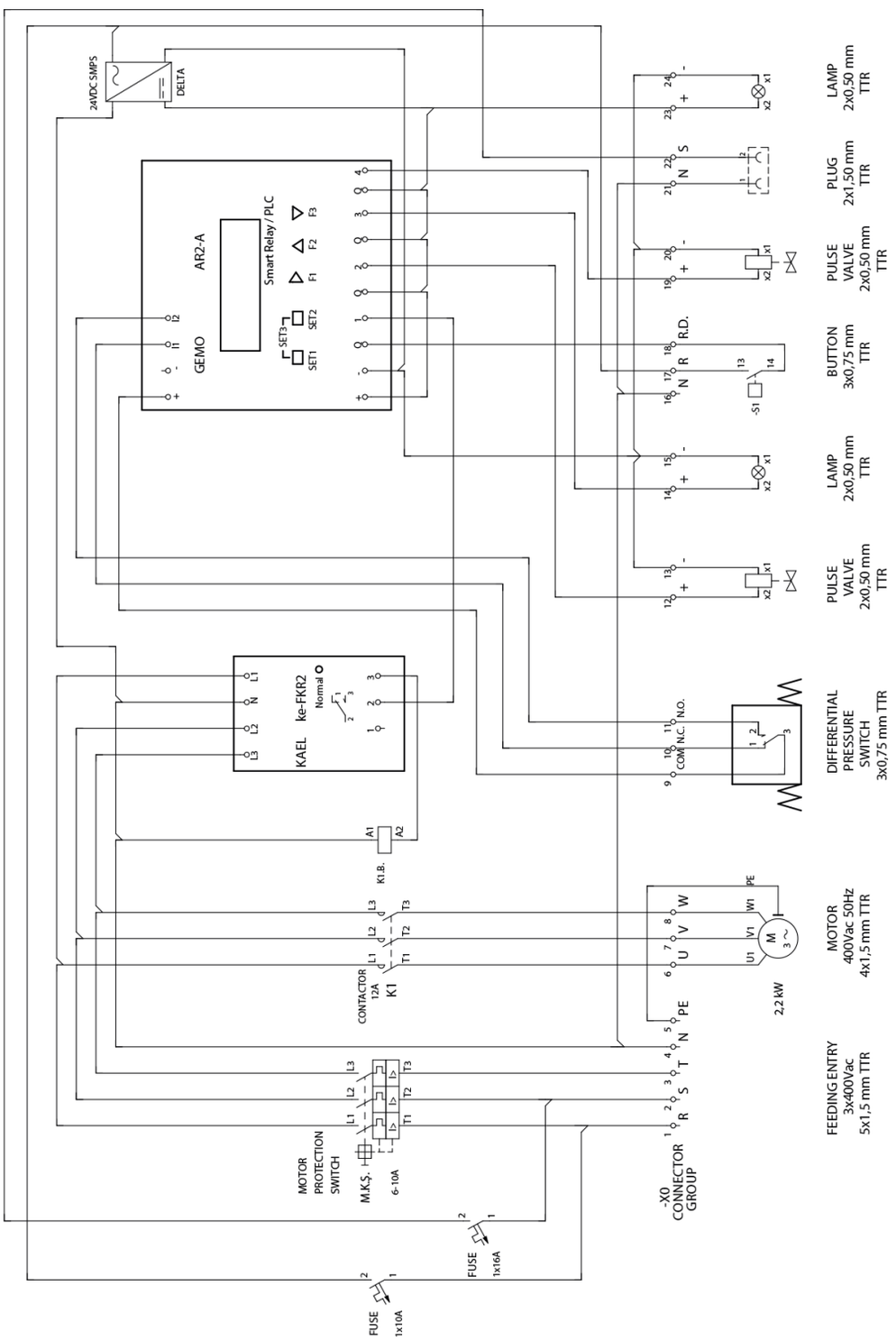
5.2 Unit Spare Parts

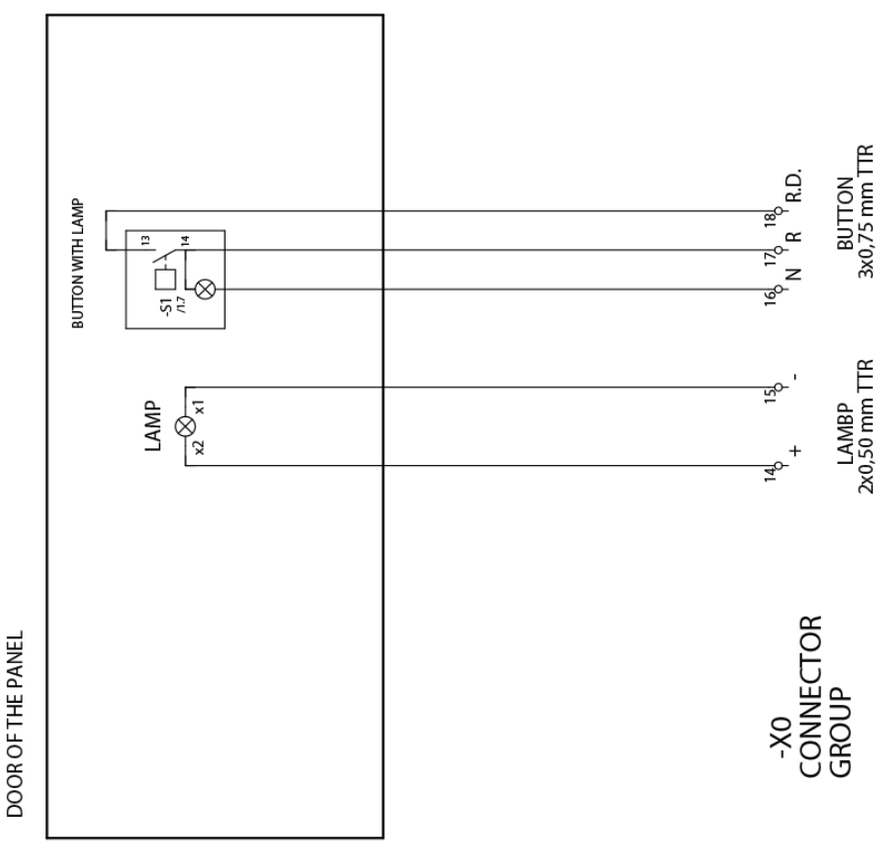


5.3 List of Unit Spare Parts

NO	PART	DESCRIPTION
1	Workbench Lamp	12V LED 6500K
2	Working Area, Wall Suction	1500 x 650mm
3	Air Outlet (Back-Top Side)	Do not cover
4	Movable Shield Wings	Open for bigger materials
5	Shield Wings Lock	Lock if not in use
6	External Acrobat Arm Slot	If necessary
7	Cartridge Filter Slot	See Filter Maintenance Guide
8	Compressed Air Inlet	Max 4-6 bar
9	Air Source for Pneumatic Equipments	For versatile tool usage
10	Electrical Grounding	If there is no ground line in your installation
11	Carrier Feets	Ensure your surface is flat
12	Waste Drawer	See Filter Maintenance Guide
13	HEPA Filter Slot & Motor Area	See Filter Maintenance Guide
14	Suction Guidance Arm	Guide your air flow for more dust filtering
15	Main Display & Control Pannel	Easy to use to clean cartridge filters
16	Electrical Socket	240V
17	Gauge Pressure Meter	See Filter Maintenance Guide
18	Working Area, Downdraft Suction	1500 x 900mm

5.4 Circuit Diagrams




DOOR OF THE PANEL
BUTTON WITH LAMP
13
14
-S1
LAMP
x1
x2
-X0
CONNECTOR
GROUP
18
R.D.
17
R
16
N
15
-
14
+
BUTTON
3x0,75 mm TTR
LAMBP
2x0,50 mm TTR

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