



Original Operating Manual

**Audurra Micro Spot Sander ESE-05 Set
D15380792**



Version 1.0

AN AXALTA COATING SYSTEMS BRAND

Version 1.0	30.09.2021	First version
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Note

This publication forms part of the product Audurra Micro Spot Sander ESE-05.

This operating manual was compiled in accordance with DIN EN 82079-1 and reflects the technical status at the time of publication on 30/09/2021.

The manufacturer reserves the right to make changes to the design, form and colour insofar as these changes are reasonable for the purchaser, taking into account the interests of the seller.

Exclusion of liability

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1 Information on the operating manual

This operating manual contains information and instructions for the safe operation of the Cordless Nib Sander from Axalta Coating Systems Germany GmbH & Co. KG.

The operators needs to familiarize themselves with it and observe it exactly for reasons of their own safety and to avoid injuries. Axalta Coating Systems Germany GmbH & Co. KG will assume no liability for damages occurring as a result of non-observance of this operating manual.

Target group:

This operating manual is intended for operators of the Cordless Nib Sander from Axalta Coating Systems Germany GmbH & Co. KG, or for persons authorized by the operator.

Safekeeping:

This operating manual forms part of the device documentation and is an integral part of the described Axalta Coating Systems Germany GmbH & Co. KG tool.

The operating manual must always to be kept at the usage location such that it is available when needed.

Warranty:

Insofar as liability on the grounds of intentional misconduct or gross negligence does not apply, all warranty claims of the operator shall become statute-barred twelve months after handover of the purchased item. This does not apply to wearing parts.

Claims for compensation against Axalta Coating Systems Germany GmbH & Co. KG based on the violation of a contractual or pre-contractual obligation and on account of a tortious act, shall only be valid in the event of intentional misconduct or gross negligence on the part of the seller, his representatives or vicarious agents, or in the event of the violation of essential contract obligations.

If Axalta Coating Systems Germany GmbH & Co. KG violates grossly negligent essential contractual obligations, liability shall be restricted to the extent of the characteristically foreseeable damage. In case of impossibility or delay, claims for compensation shall be restricted to compensation of the characteristically foreseeable damage.

If the vicarious agents of the Axalta Coating Systems Germany GmbH & Co. KG acts grossly negligent, Axalta Coating Systems Germany GmbH & Co. KG shall be liable to the extent of the characteristically foreseeable damage. Liability arising from the violation of essential contractual obligations and fraudulence on the part of the seller shall remain unaffected.

The prevailing legal regulations shall apply in the event of physical injury and harm to welfare and health.

2 Safety

A prerequisite for safe handling and a smooth operation of the Axalta Coating Systems Germany GmbH & Co. KG Cordless Nib Sander is the knowledge of the basic safety instructions and the safety regulations. The accident prevention rules and regulations applicable at the installation location must also be observed.

This operating manual contains important information on safe operation of the Cordless Nib Sander and must therefore be observed by everyone for whom it is intended.

2.1 Structure and meaning of safety information

The safety instructions in this operating manual is structured as follows:

	! Signal word CAUTION WARNING DANGER	Nature and source of the danger
		Possible consequence(s) if disregarded. Measure(s) to avert the danger.

The signal word "**DANGER!**" indicates immediate danger resulting in death or very serious injuries.

The signal word "**WARNING!**" indicates a potentially dangerous situation resulting in death or serious injuries.

The signal word "**CAUTION!**" indicates a potentially dangerous situation resulting in minor injuries.

The signal word "**ATTENTION!**" indicates potential damage resulting in damage to the device Cordless Nib Sander or the immediate surroundings.

Always heed the safety instructions! Act cautiously to avoid the possibility of personal injury, material damage and accidents.

2.2 Structure and meaning of other information

Information in this operating manual is structured as follows:



NOTE

More detailed information and tips for working with the Cordless Nib Sander.

► Points to be observed with regard to safety

➔ Action to be taken

2.3 Safety instructions



Read and observe all the information and instructions prior to installation, operation, repair, maintenance and the replacement of accessories.

Failure to observe the safety information and instructions can result in serious injuries.

Keep the operating manual in a safe place and give it to the operator.

Work area safety

- ▶ Keep your operating area clean and well illuminated. Cluttered or dark areas invite accidents.
- ▶ Keep children and bystanders away while operating the Cordless Nib Sander. In case of distractions you can lose control over the Cordless Nib Sander.

Electrical safety

- ▶ Keep the Cordless Nib Sander away from rain and wet conditions.
- ▶ Do never make changes to the Cordless Nib Sander. Modifications may reduce the effectiveness of the safety measures and may increase the risk for the operator.

Personal safety

- ▶ Only qualified personnel is allowed to operate the Cordless Nib Sander.
- ▶ Remove adjusting tools or wrenches before switch on the Cordless Nib Sander.
- ▶ Pay attention to your body posture. Make sure you stand securely and always keep your balance. This enables better control of the Cordless Nib Sander in unexpected situations.
- ▶ Wear tight cloths. Keep your hair, clothing and gloves away from moving parts. Loose clothes or long hair may be caught in moving parts.

Power tool use and care

- ▶ Do not overcharge the Cordless Nib Sander. Use the intended tool for your application. The correct accessories will do the job better and safer at the rate for which it was designed.
- ▶ Do not use any Cordless Nib Sander which has a defective switch. Any defective Cordless Nib Sander is dangerous and must be repaired.
- ▶ Remove the battery before adding or removing accessories or laying aside the device for longer periods.
- ▶ Keep not operated Cordless Nib Sanders out of reach of children. Do not allow persons to use the device who are not familiar with it or who have not read the instructions.
- ▶ Treat the Cordless Nib Sander carefully. Check if moving parts are well functioned. Defective parts must be replaced.
- ▶ Only use the Cordless Nib Sander for the intended use. A not intended use may cause serious injuries.
- ▶ Only charge the batteries with the charger included in the scope of supply (or determined by the manufacturer).
- ▶ Only use batteries determined by the manufacturer. The use of other batteries may cause serious injuries.
- ▶ Keep batteries out of reach of paper clips, coins, keys, pins, screws or other little metallic objects which may cause a bypass of the contacts.
- ▶ If the batteries are not used properly they may lose liquids. Avoid contact with these liquids.
- ▶ Do not drop the Cordless Nib Sander. Invisible damages may occur at the shaft or other components. Axalta Coating Systems Germany GmbH & Co. KG will not assume warranty for dropped Cordless Nib Sander. When the Cordless Nib Sander is kept in use all risks are with the operator.

Service

- ▶ Only technicians authorized by Axalta Coating Systems Germany GmbH & Co. KG are allowed to realize repair and maintenance.
- ▶ Only have the Cordless Nib Sander repaired by qualified personnel using genuine replacement parts. This will ensure that the safety of the Cordless Nib Sander is maintained.

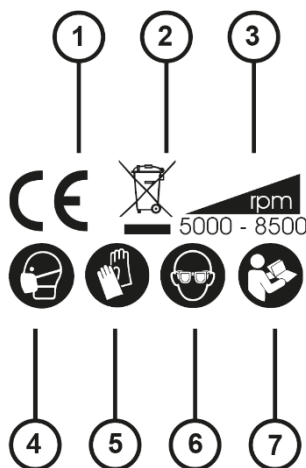
Charging station

- ▶ The charging station is not intended for use by children and persons with reduced physical, sensory or mental capabilities or with lack of experience and knowledge.
- ▶ Keep the charging station clean.
- ▶ Before using check the charging station, the cable and the mains plug. Only use the charging station in perfect condition.
- ▶ Only have the charging station repaired by qualified personnel using genuine replacement parts.
- ▶ Do not use the charging station on flammable surfaces or in inflammable environment.

Safety Instructions for Sanders

- ▶ Make sure that no person shall be endangered by flying sparks. Remove flammable materials near the power tool. While sanding metals flying sparks may emerge.
- ▶ Make sure that the work piece is in a secured position with a clamping device or a vice.
- ▶ Avoid direct contact with the moving backup pad. Contact with moving parts may cause bruising or other injuries.
- ▶ While sanding with dust formation there must be made sure an adequate removal by suction and ventilation.
- ▶ Before use check the backup pad. In case of cracking, broken parts or other wear do NOT use it.

2.4 Symbols on the device



Mandatory signs on the handle:

- 1 CE label
- 2 WEEE symbol
- 3 Speed range
- 4 Use respiratory protection (dust mask)
- 5 Wear gloves
- 6 Wear safety goggles
- 7 Read the operating manual

2.5 Personal protective equipment



NOTE

Wear personal protective equipment (PPE) while operating the Cordless Nib Sander depending on the applied abrasives, the surfaces to be treated and the working period.

Observe the applicable health and safety regulations.

	Personal protective equipment
	► Wear safety goggles
	► Wear protection gloves
	► Use respiratory protection (dust mask)

3 Intended use

The Cordless Nib Sander is intended to sand dry or wet such as wood, plastics, metal, filling compounds and painted surfaces.

Any other or additional use is deemed non-intended use.

Axalta Coating Systems Germany GmbH & Co. KG shall not assume liability for damages resulting from unintended use. The operator shall bear full responsibility.



NOTE

The operator is not allowed to realize any modification of the Cordless Nib Sander but Axalta Coating Systems Germany GmbH & Co. KG authorizes him explicitly and in written form.

4 Device overview

4.1 Micro Spot Sander ESE-05



1	Speed controller	4	Battery
2	Switch on/off backside	5	Switch on/off front side
3	Cordless Nib Sander		

4.2 Battery

! CAUTION

Fire hazard



A bypass of the contacts may cause short circuit. By emerge of heat may cause a fire.

- Keep batteries out of reach of paper clips, coins, keys, pins, screws or other little metallic objects which may cause a bypass of the contacts.

! CAUTION

Fire hazard



When the temperature is too high the battery might ignite or explode which may cause slight or severe injuries.

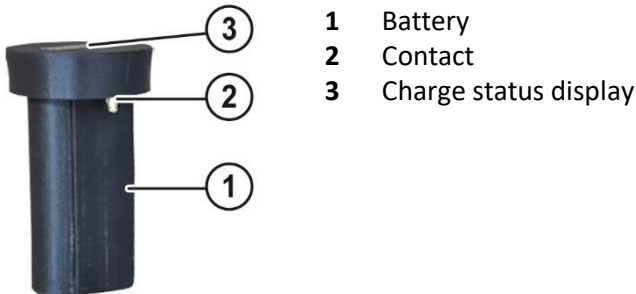
- Protect the battery against direct sunlight.
- Protect the battery against direct heat.

ATTENTION

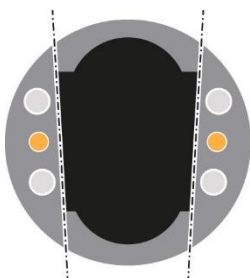
Property damage

When exposed to water it may cause material damage at the battery and the connected devices.

- Protect the battery against water, moisture and wet conditions.

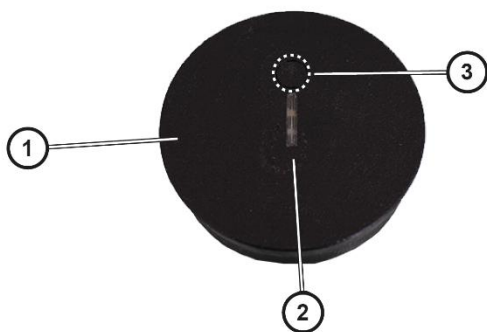


The lithium-ions battery has inside protection electronics. It is adapted to the charging station and the Cordless Nib Sander. The temperature of the batteries is always controlled. The battery is protected against exhaustive discharge, overcharging and short-circuit. In case of hazard the battery shuts down automatically by a protection circuit



Polarity reversal protection

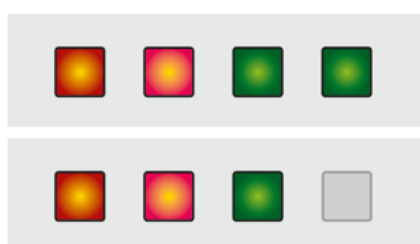
The asymmetrical cross section of the battery and the holder form of the charging station/the tool ensure that the battery only will be placed in the correct position.



On the top of the battery (1) is the charge status display (2).

The display can be activated by pushing the button (3). The display goes off automatically when the button is released.

Charge status display:



100 % charged

> 75 % charged



> 50 % charged

> 25 % charged

4.3 Charging station



The charging station is only intended for charging of the batteries mentioned in this operating manual. Do not charge other batteries, battery packs or non-rechargeable batteries with this devices.

On the bottom are two magnets. Thanks to them the charging station sticks on metallic surfaces in a horizontal or vertical way.

! CAUTION

Risk of injuries



If the charging station is operated in an explosive area or in potentially flammable environments, it may cause slight to severe injuries.

- ▶ Never use the charging station in explosive or potentially flammable environments.

! CAUTION

Risk of injuries



When exposed to water, moisture or wet conditions, this can lead to a short circuit of the charging station which may cause slight to severe injuries.

- ▶ Only use the charging station indoor.
- ▶ Protect the charging station against water, wet conditions and moisture.

5 Installation

5.1 Recharge battery



NOTE

The battery is partly charged when delivered. To be able to guarantee the full power of the battery, please charge it completely before the first use.

ATTENTION

Property damage

Overheat may cause property damages at the battery or the charging station.

- ▶ Store the charging station on well ventilated and non-flammable surfaces or fix it by the magnets on a metallic surface.
- ▶ Avoid blocking the ventilation slots.
- ▶ Do not cover the charging station.

ATTENTION

Property damage

Using unauthorized charging stations may cause damages at the device.

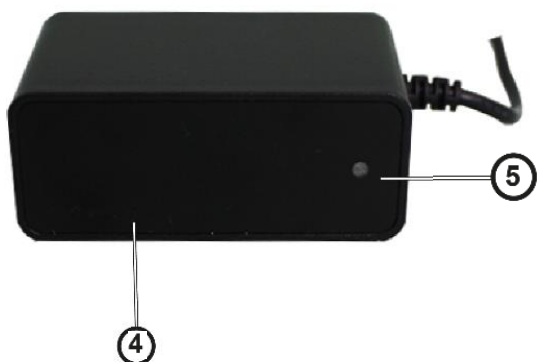
- ▶ Only use the supplied charging station. It matches with the supplied lithium ion batteries.



- ➔ Put the battery (2) into the charging station (1).



- ➔ Plug the power cable's plug (3) into the charging station (1).



- ➔ Put the mains plug (4) into the main socket.
The LED (5) lights green > the charging station is ready.

The LED of the mains plug lights red while charging.

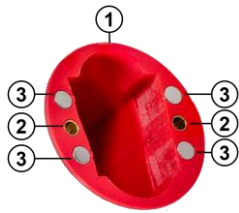
While charging, the charge status is shown at the charge status display of the battery.

After having finished the charging process the LED of the mains plug lights green.

- ➔ Disconnect the charging station from power if it is not used for a longer period.

5.2 Insert/remove battery

5.2.1 Insert battery



- 1 Cordless Nib Sander
- 2 Bushing
- 3 Magnet



➔ Insert the battery into the Cordless Nib Sander.

5.2.2 Remove battery



➔ Remove the battery from the Cordless Nib Sander.

5.3 Mount of sanding discs

! CAUTION

Risk of injuries



Changing accessories or wear parts while the batteries are connected may accidentally activate the tool. This may cause slight or severe injuries.

- ▶ Remove the batteries before mounting or removing accessories or wear parts.



NOTE

- ➔ Put on the sanding discs concentrically.
- ➔ Remove any dirt and dust from the backup pad before putting on a new sanding disc, e. g. with microfibre cloths or a brush.



- 1 Backup pad
- 2 Sanding disc

The surface of the backup pad is made of Velcro textile (for Velcro backing sanding discs) for a quick and safe exchange of the sanding discs.

➔ Press firmly the sanding disc onto the lower side of the backup pad.

5.4 Exchange the backup pad

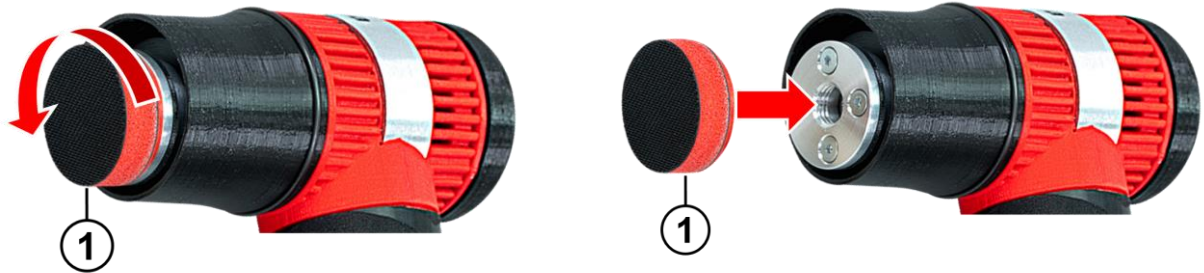
! CAUTION

Risk of injuries



Changing accessories or wear parts while the batteries are connected may activate accidentally the tool. This may cause slight or severe injuries.

- Remove the batteries before mounting or removing accessories or wear parts.



- ➔ Remove the sanding disc.
- ➔ Twist the backup pad (1) counterclockwise from the drive shaft.
- ➔ Remove dust and dirt, e. g. with a microfibre cloths or a brush.
Never clean the device with compressed air.
- ➔ Twist the new backup pad (1) clockwise onto the drive shaft.

6 Operation

! CAUTION

Risk of injuries



Setting tool in a rotating part of the power tool may cause slight or severe injury.

- ▶ Remove setting tools before taking the Cordless Nib Sander into operation.

! CAUTION

Risk of injuries



Do not put aside the Cordless Nib Sander before the tool has completely stopped. Otherwise it may cause slight or severe injuries.

- ▶ Wait until the Cordless Nib Sander has stopped rotating before putting it aside.

- ➔ Switch on the Cordless Nib Sander, apply it with the entire sanding surface onto the area to be treated and move it with moderate pressure along the work piece.



NOTE

The sanding performance and the sanding pattern are mainly determined by the selected abrasive, the preset speed and the contact pressure.

6.1 Switch the device on/off



Switch the device on/off (front side)

Switch on

- ➔ Keep the switch ON/OFF (1) pressed on the front side.

Switch off

- ➔ Release the switch ON/OFF (1) on the front side.



Switch the device on/off (backside)

Switch on

➔ Keep the switch ON/OFF (2) pressed on the backside.

Switch off

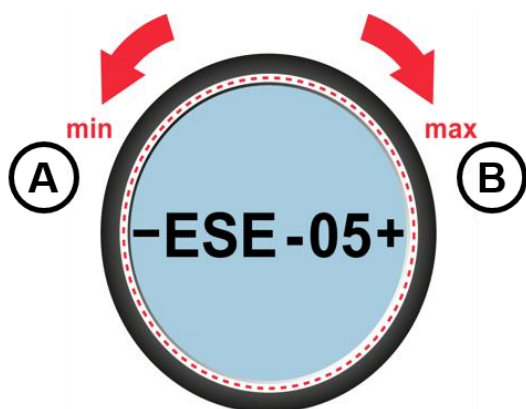
➔ Release the switch ON/OFF (2) on the backside

6.2 Setting rotating speed



NOTE

The speed can be adjusted during operations with the speed controller. The speed depends on the material and the working conditions.



Setting rotating speed (continuous)

➔ Adjust the speed control to the requested position.

- A (-) minimum speed
- B (+) maximum speed

7 Cleaning

ATTENTION

Property damage

If cleaning is not performed properly there is a possibility of material damages with damages to the Cordless Nib Sander or connected devices.

- ▶ Never use caustic, corrosive detergents.
- ▶ Never use a steam jet or high pressure cleaner to clean the device.

- ➔ Clean regularly the device from dust and dirt.
- ➔ Clean the plastic parts only with mild detergents.
- ➔ Never clean the device with compressed air.

8 Maintenance and repair

8.1 Maintenance



! CAUTION

Risk of injuries

Non-professional maintenance may cause slight or severe injuries.

- Realize all maintenance only by qualified experts.

ATTENTION

Property damage

Non-professional maintenance may cause damages at the device.

- Realize all maintenance only by qualified experts.

8.1.1 Maintenance schedule

every 6 months	Testing of the power supply unit according to DGUV regulation 3 and DIN VDE 105-100. The tests must be carried out by a trained electrician.
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The backup pad should be replaced as soon as it is heavily worn or damaged.

8.2 Repair



! CAUTION

Risk of injuries

Non-professional repair may cause slight or severe injuries.

- Only ever have repair work performed by Axalta Coating Systems Germany GmbH & Co. KG.

ATTENTION

Property damage

Non-professional repair may cause damages at the device.

- Only ever have repair work performed by Axalta Coating Systems Germany GmbH & Co. KG or authorized personnel.

Only ever have repair work performed by Axalta Coating Systems Germany GmbH & Co. KG. This will ensure that the safety of the Cordless Nib Sander is maintained.

9 Disposal



Never dispose the Cordless Nib Sander, accessories and packaging as well as batteries/rechargeable batteries in household refuse. The consumer is legally obliged to return electrical and electronic devices as well as batteries/rechargeable batteries at the end-of-lifetime at the public collection point or at the retailer.

The Cordless Nib Sander has to be disassembled professionally and disposed at the end of life.

Electric and electronic devices can be returned free of charge at the following points:

- Public disposal and collection points (e. g. municipal facilities).
- Retailers or outlets for electric devices (shops or online-shops), as long as the retailer is obliged to accept returns or when they offer it voluntarily.

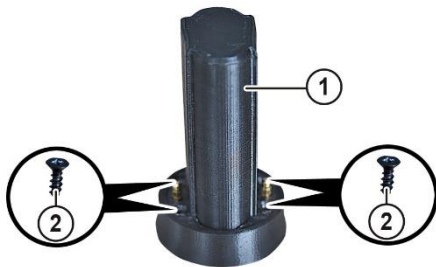


NOTE

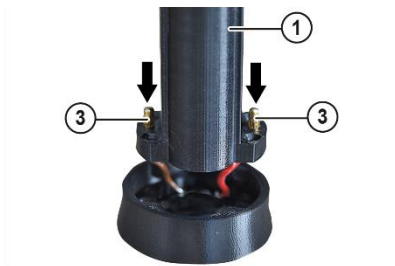
This information is only valid for devices which are installed and purchased within the European Union and which are subject of the European Directive 2012/19/EU. For non-EU countries different regulations may be valid for the disposal of electric and electronic devices.

Used rechargeable batteries or waste batteries which are not firmly installed have to be removed before disposal! The disposal of them is regulated by the EU-Directive 2006/66/CE from 6th September 2006.

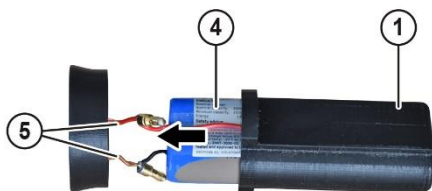
Remove of the battery cells:



➔ Loosen 4 screws (2) from the battery housing (1).



➔ Push out the pins (3) downwards.



➔ Cut the cable (5) and pull out the battery cells (4) from the battery housing (1). Cut every single cable itself, otherwise it could occur a short circuit. Observe that the battery pack will not be damaged.

10 Technical Data

Cordless Nib Sander	
length [mm]	170
weight [g]	430
angle	90°
offset [mm]	5
drive	continuously adjustable, orbital
speed [rpm]	5000 to 8500
Environmental conditions	
temperature [°C]	-5 to +40
humidity (relative)	max. 80 %
Information about noise and vibration (DIN EN 12096)	
The A determined noise level (ISO 4871) of the Cordless Nib Sander is characteristically:	
sound pressure level [dB(A)]	55
Uncertainty K [dB]	4
Ah [m/sec²]	3,20
Uncertainty	1,50
The values were determined according to the standard DIN EN 62841-2-4:2015.	
Battery	
type of battery	Lithium-Ion (Li-Ion)
power supply [V DC]	7,5
capacity [Ah/Wh]	2,6 / 19,24
weight [g]	130
Charger	
input power supply [V AC]	100 - 240
frequency [Hz]	50 / 60
charging time [min]	90
charging temperature [°C]	0 ... +45
storage temperature [°C]	-20 ... +30
weight [g]	100
protection class	II
Charging station	
weight [g]	135

11 Declaration of conformity



Manufacturer
Axalta Coating Systems Germany GmbH & Co. KG
Christbusch 25
D-42285 Wuppertal

We declare under our sole responsibility that the product Audurra Micro Spot Sander ESE-05 Set complies with the relevant basic safety and health requirements of the EU Directives including its amendments, both in its basic design and construction as well as in the version put into circulation by us.

This declaration shall cease to be valid if the product is modified without our prior approval.

Relevant EU directives

2006/42/EU	Machinery Directive
2014/30/EU	EMC Directive
2014/35/EU	Low-Voltage Directive
2011/65/EU	RoHS Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment

Applied standards

EN 614-1:2006+A1:2009-02
DIN EN 60745-1/AB:2013-02
DIN EN 60745-2-4:2010-05
DIN EN 55014-1:2018-08
DIN EN 55014-2:2016-01
EN 12100:2010

The undersigned act on behalf and under the power of attorney of the company management:

Name: Christian Ulbrich
Address:
Axalta Coating Systems Germany GmbH & Co. KG
Christbusch 25
D-42285 Wuppertal

Phone: +49 (0) 202 529 2674

Wuppertal, 30.09.2021

(Christian Ulbrich)

12 Scope of delivery

Quantities	Description
1	Micro Spot Sander ESE-05
1	Audurra Cradle for Micro Spot Sander
1	Audurra Power Adapter 8.4 V; 2 A; EU plug
2	Audurra Li-Ion Battery 7.4 V / 2600 mAh
1	Audurra Backup-Pad Ø 30 mm hard
1	Audurra Backup-Pad Ø 30 mm medium
1	Audurra Backup-Pad Ø 30 mm soft
100	Audurra Spot-Sanding Disc Ø32 mm P3000
100	Audurra Spot-Sanding Disc Ø32 mm P2000
100	Audurra Spot-Sanding Disc Ø32 mm P1000

**Micro Spot Sander
ESE-05**



**Audurra Li-Ion Battery
7.4V / 2600 mAh
D15380799**



**Audurra Cradle
for Micro Spot Sander
D15380801**



**Audurra Power Adapter
8.4 V; 2 A; EU plug
D15380800**



Audurra Backup-Pad Ø 30 mm hard D15380795 	Audurra Backup-Pad Ø 30 mm medium D15380794 	Audurra Backup-Pad Ø 30 mm soft D15380793 
Audurra Spot-Sanding Disc Ø32 mm P3000 D15380796 	Audurra Spot-Sanding Disc Ø32 mm P2000 D15380797 	Audurra Spot-Sanding Disc Ø32 mm P1000 D15380798 

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