

visΩmax

for the perfect finish



SANDINATOR

cordless series

Key Facts

PZ860-A-30-NV-8 SANDINATOR CORDLESS SERIES, OSCILLATING (ESV03)

PZ860-AE-50-NV-8 SANDINATOR CORDLESS SERIES, ORBITAL (ESX05)



Powerful.



Small.

Silent.

Summary

continuously speed control

optimum temperature management

top & bottom start button

suitable for left & right handed users

perfect haptics due to Grip Tape

passively applicable charge level indicator

high quality materials

charging station with magnet connection

soft cover protection at speed controller and li-ion battery

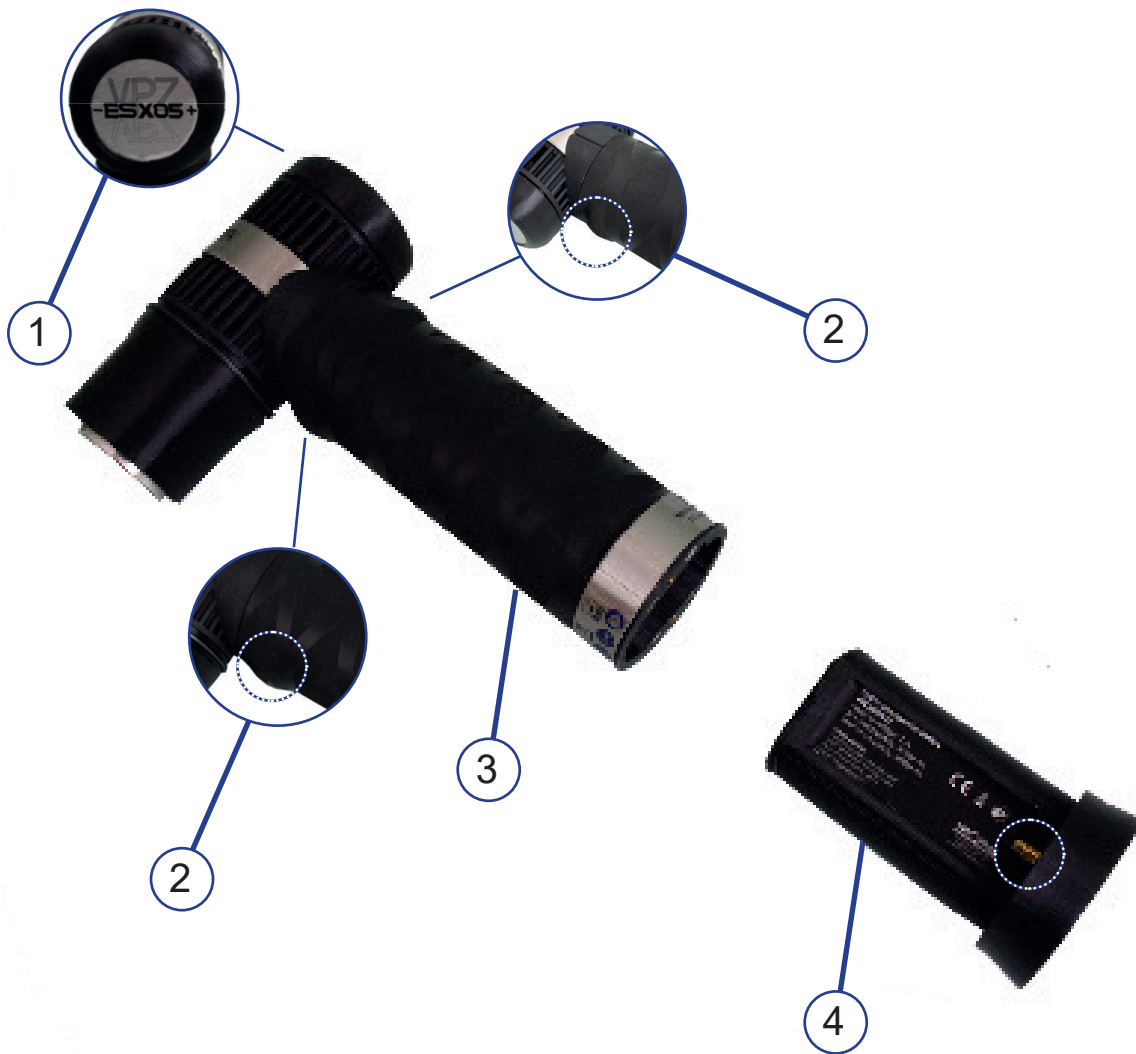
patented motor/bearing technology

Li-Ion battery with 2-cell technology

long running time with minimal energy consumption

additively manufactured housing components with complex geometry for optimum functionality

Specials



- 1 continuously speed control
- 2 Top and Bottom start button
- 3 Grip Tape for service and maintenance
- 4 2-cells Li-ion battery with gold plated plugs

Features

Additively manufactured housing with cooling fins for optimum temperature management

Soft cover protection / impact protection

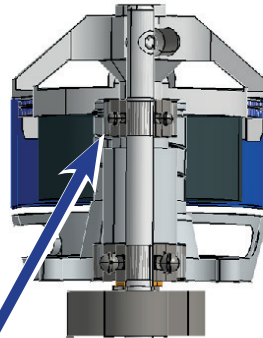
Quick-change system for an easy replacement of the backup-pad

Perfect haptics and a replaceable grip tape



The Motor

Brushless external rotor motor for stable torque and high efficiency with small dimensions

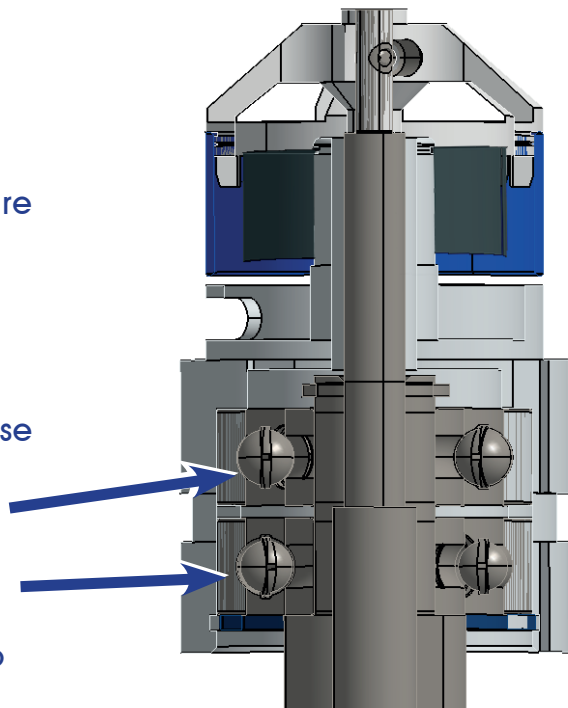


Patented motor/bearing construction with one-sided preloaded double bearing and two-part shaft for high mechanical load, smooth running and accurate grinding.

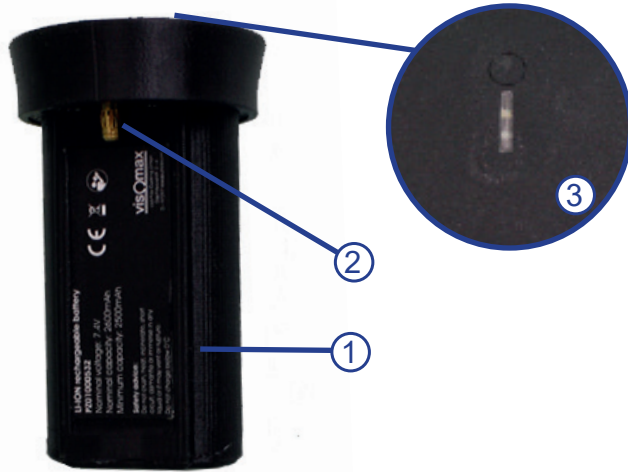
Normally, the shaft is supported by a miniature bearing in the stator on external rotors. This is subject to increased wear and is therefore susceptible to mechanical loads.

This results in imprecise running and high noise development.

Due to the double bearing arrangement outside the stator, the usual bearing arrangement in the stator due to maintenance-prone miniature bearings is no longer necessary.

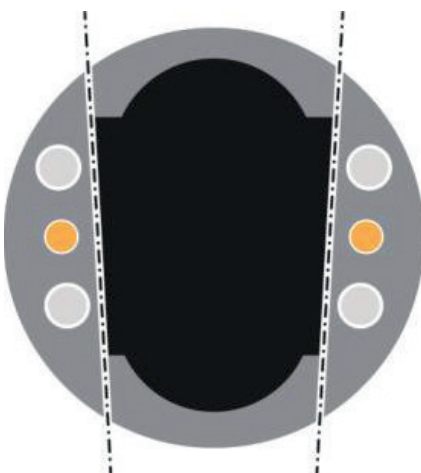


The Li-Ion battery



- 1 Li-Ion battery
- 2 gold plated plugs
- 3 charge indicator

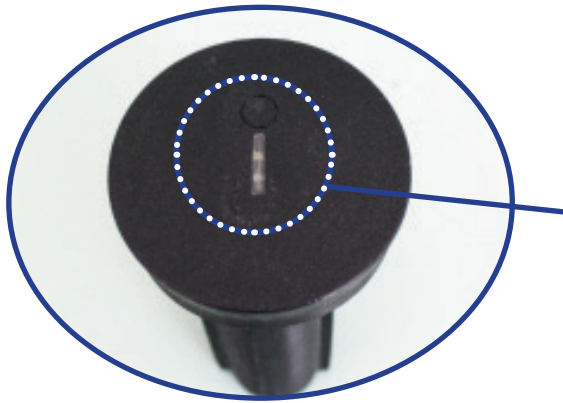
The Li-Ion battery has integrated protection electronics, which continuously monitors temperature and voltage and when exceeded the Li-Ion battery switches off automatically. This prevents the battery from being overloaded, overheated and deep discharge.



the reverse polarity protection

The asymmetrical cross-section of the battery, the charging station and the sandinator ensures that the battery can only be used in the correct position.

The Li-Ion battery



The charge level indicator is located on the bottom of the battery.

The four LED's are activated by pressing the button, the state of charge of the Li-Ion battery can also be checked without it being plugged into the machine or the charging station.

Charge level indicator:



100 % charged



> 75 % charged



> 50 % charged



> 25 % charged

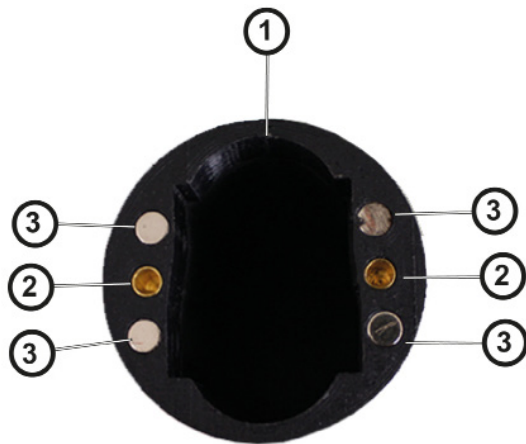
Charging station



The charging station has an aluminium cooling tube, which ensures that the optimum temperature window of the battery is maintained during the charging process. Due to the optimised temperature management, charging is accelerated and the Life time is extended.

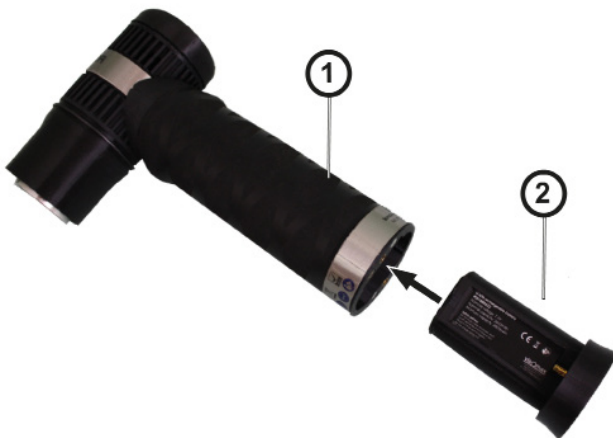
The bottom of the charging station is equipped with a magnet connection so that the charging station can be attached to suitable metal surfaces in a horizontal or vertical position.

Insert / removing the battery



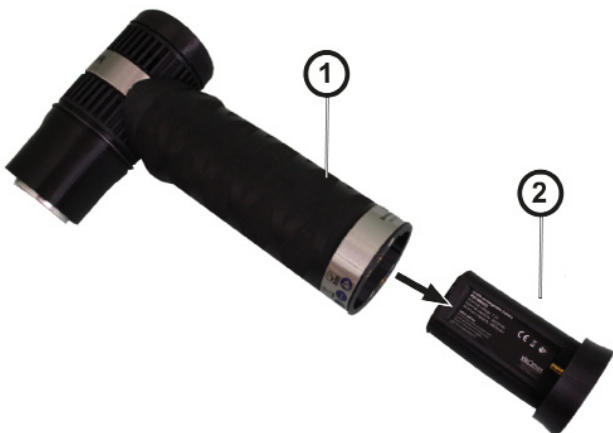
- 1 battery sander
- 2 Gold contacts (socket)
- 3 magnetic lock system

INSERT THE BATTERY



Insert the battery (2) into the battery sander (1)

REMOVING THE BATTERY



Remove the battery (2) from the battery sander (1)

The battery is held securely in the machine by a magnet lock system.
Without clamps or complicated locking mechanisms.

Technical data

Battery sander

	oscillating PZ860-A-30-NV-8	orbital PZ860-AE-50-NV-8
Length [mm]	170	170
Weight [g]	400	430
Total weight [g] incl. Backup-Pad and battery	535	565
Angle	90°	90°
Offset [mm]	3	5
Drive	continuously, oscillating	continuously, orbital
Speed [rpm]	5000 - 8500	5000 - 8500

Environmental conditions

Temperatur [C°]	-5 - +40	-5 - +40
Humidity (relative)	max. 80 %	max. 80 %

Noise and vibration information

The A-weighted noise level of the battery sander is typically:

Sound pressure level [dB(A)]	55	55
LpA Uncertainty K [dB]	4	4
Ah [m/sec ²]	3,9	4,3
Uncertainty K [m/sec ²]	1,5	1,5

Battery

Battery type	Lithium-Ion (Li-Ion)
Voltage [V/DC]	7,5
Capacity [Ah/Wh]	2,6 / 19,24
Weight [g]	130

Charger

Input voltage [V AC]	100 - 240
Frequency [Hz]	50 / 60
Charging time [min]	90
Charging temperature [°C]	-20 ... +30
Weight [g]	100
Protection class	II

Charging station

Weight [g]	135
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Scope of delivery

P Z 8 6 0 - A - 3 0 - N V - 8

Quantity	Description
1	Battery sander PZ860-A-30-NV-8
1	Charging station
1	Power supply
2	Battery
1	Backup pad medium velcro 30 mm
1	Backup-Pad medium stick-on 30 mm

BATTERY SANDER OSCILLATING PZ860-A-30-NV-8



CHARGING STATION



POWER SUPPLY



Scope of delivery

PZ860-A-30-NV-8

BATTERY



BACKUP PAD



A



B

Backup pads medium

A with velcro

B with film support

Scope of delivery

PZ860-AE-50-NV-8

Quantity	Description
1	Battery sander PZ860-AE-50-NV-8
1	Charging station
1	Power supply
2	Battery
1	Backup pad medium velcro 30 mm
1	Backup pad medium stick-on 30 mm

BATTERY SANDER ORBITAL PZ860-AE-50-NV-8



CHARGING STATION



POWER SUPPLY



Scope of delivery

PZ860-AE-50-NV-8

BATTERY



BACKUP PAD



A



B

Backup pads medium

A with velcro

B with film support



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