



EB210

Rotary & Orbital

Cordless Mini Polisher



High-Performance Auto Polishing Tool System

Quick change system for head & backing plate



Quick change of the whole working head

Change multiple working heads with different functions without tools to quickly switch the working mode



Quick change of the backing plate for different sizes

Quick-change working head system
Hexagonal quick-connect and locking mechanism.

Quick-change Working Head

With the first batch of 6 working heads: 3 rotary+3 orbital, users can switch between sanding, high-efficiency rotary polishing, fast orbital polishing, and fine orbital polishing.

Random Orbital Working Head



3mm Orbital sanding/polishing head(DA3)

Orbit Size	3mm
Speed	3000-8000/min
Thread	1/4"-20
Backing Plate	31mm,48mm,62mm,74mm
Application	Work with 32mm/76mm sanding disc for sanding; Work with foam pad/wool pad/microfiber pad for swirl-free fine polishing.



5mm Orbital sanding/polishing head(DA5)

Orbit Size	5mm
Speed	3000-8000/min
Thread	1/4"-20
Backing Plate	31mm,48mm,62mm,74mm
Application	Work with 32mm/76mm sanding disc for sanding; Work with foam pad/wool pad/microfiber pad for swirl-free fine polishing.



12mm Orbital sanding/polishing head(DA12)

Orbit Size	12mm
Speed	3000-8000/min
Thread	1/4"-20
Backing Plate	31mm,48mm,62mm
Application	Work with foam pad/wool pad/microfiber pad for high-speed swirl-free fine polishing.

Rotary Working Head



High-torque rotary polishing head(RO-L)

Speed	700-1800/min
Connection	1/4"-20 Thread; Quick-change
Backing Plate	31mm,48mm,62mm,74mm
Application	Work with foam pad/wool pad/conical foam for heavy cutting.



High-torque rotary polishing head(RO-L2)

Speed	700-1800/min
Connection	1/4"-20
Backing Plate	31mm,48mm,62mm,74mm
Application	Work with foam pad/wool pad for heavy cutting.



High-speed rotary polishing head(RO-H)

Speed	3000-8000/min
Connection	1/4"-20
Backing Plate	15mm,31mm
Application	Work with foam pad/new conical sponge for small area high gloss polishing, with 40mm/80mm extension rod.

Quick-change Backing Plate

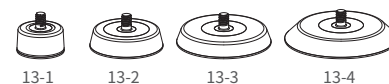
ShineMate patented quick-change structure is used for the high-torque rotary polishing head (RO-L) to realize tool-less quick replacement.



12-1 Quick-change backing plate Ø31mm 12-3 Quick-change backing plate Ø62mm
12-2 Quick-change backing plate Ø48mm 12-4 Quick-change backing plate Ø74mm

Threaded Backing Plate 1/4"-20

Applicable to all random orbital working heads, high-torque rotary polishing head(RO-L) and high-torque rotary polishing head (RO-L2).



13-1 Threaded backing plate Ø31mm 13-3 Threaded backing plate Ø62mm
13-2 Threaded backing plate Ø48mm 13-4 Threaded backing plate Ø74mm

Threaded Backing Plate 1/4"-20

Used for high-speed rotary polishing head(RO-H).



14-1 Threaded backing plate Ø15mm
14-2 Threaded backing plate Ø31mm

Adaptor

Only used for high-torque rotary working heads, different adaptors for installing different backing plates.



15-1 Quick-change adaptor 15-2 Quick-change adaptor

High Capacity Battery Pack

Premium lithium battery core, long service life, long running time, high safety



1 Battery Management System

Intelligently manage and maintain each battery unit, monitor the status of the battery, prevent the battery from overcharging and overdischarging, prolong the service life of the battery.

2 Dual-Channel Fast Charge

Dual-Channel design, dual-bay simultaneous charging, up to 3Amp output, 50 minutes to fully charge a battery



Model	B1225A	Weight	178g
Capacity	2.5Ah	Overload Protection	✓
Voltage	10.8VDC	Charging Time	50min

Model	BC122	Rated Power	80W
Input	100-240V~ 50/60Hz	Recommended Ambient	+4°C to +40°C
Output	10.8VDC, 3.0Amps	Weight	555g

* The time to fully charge a battery is related to battery pack status and environmental status

* When two battery packs are inserted and charged at the same time, the charger automatically enters the powerful cooling mode



Replaceable Working Head

Quick-Lock Button

LED Light

Switch Control Button

Press and hold to start, release to stop
Double-click for continuously running



Brushless Motor

Power Button

Long press to power on/off the machine

Speed level Indicator

- ▶ LED-1: 3000/min, 4000/min
- ▶ LED-2: 5000/min, 6000/min
- ▶ LED-3: 7000/min, 8000/min

Smart Load Indicator

- Green:** Sufficient battery power / light load
- Yellow:** Medium battery power / medium load
- Red:** Low battery power / excessive load

Speed Adjustment Button

LED light Button

Battery Pack Release Button

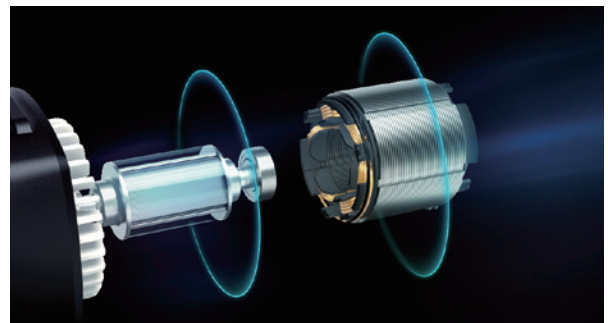
Battery Pack



Brushless DC Digital Motor

Brushless, longer service life

- ▶ Digital drive technology
- ▶ High torque output
- ▶ Precise speed control





Light and Compact

Comfortable holding, smooth operation

More Features



Compact body
Easy to operate



6-level
Speed setting



Integrated design
No protruding battery pack



LED light



Soft grip



Multiple Accessories

For sanding & polishing of narrow areas inside and outside the car



Details on car body

A/B/C pillars

Interiors

Chrome strips

Soft tire cover

Hub area

Scratches on the trunk

Narrow areas, gaps, grids, door handle area

Sanding/polishing of headlights



Accessories

Multiple Accessories

ShineMate has launched a wide range of polishing consumables to meet various polishing needs.

Wool Pad/Microfiber Pad/Foam Pad

Work with all random orbital heads and high-torque rotary heads, including T140 short-nap striped wool pad, T100 microfiber pad, T80 high-cut foam pad, T40 medium-cut foam pad, and T05 final finishing foam pad.



T140 Short-nap striped wool pad

Heavy cutting, remove 1200/1500# sanding disc marks, deep scratches, orange peel, and heavy oxidation.

T100 Microfiber pad

Remove 1500# sanding disc marks, deep scratches, and heavy oxidation, achieve fast polishing, restore glossy finish.

T80 High-cut foam pad

Intensive cutting, remove 1500/2000# sanding disc marks, swirl marks, and medium to heavy oxidation.

T40 Medium-cut foam pad

Light cutting, for compounding, polishing and finishing, remove 2000# sanding disc marks, fine scratches and light oxidation; work with fine polish for finishing.

T05 Final finishing foam pad

Light cleaning ability, work with medium/fine polish to remove car wash scratches and ultra-fine swirl marks, restore deep and brilliant gloss; Also used for coating or waxing.



Conical Sponge

Mainly used for high-torque rotary polishing head (RO-L), directly install on the quick-change backing plate, especially suitable for the polishing and cleaning of motorcycle and car wheel hub.



Special consumables for high-speed rotary polishing head

Since the high-speed rotary polishing head (RO-H) uses 15mm/31mm threaded backing plate, it is equipped with a separate series of consumables, including T80 high-cut foam pad, T40 medium-cut foam pad and T05 final finishing foam pad, as well as two cylindrical sponges in orange and yellow. ShineMate also provides two extension rods with a length of 40mm and 80mm, which are especially suitable for polishing in small and narrow areas.



Optional Consumables

ShineMate also provides optional consumables such as small conical sponges for users. The small conical sponges are available in orange and yellow, and are mainly used on high-speed rotary polishing head.



Specifications



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Model	EB210
Input Voltage	10.8VDC
Orbit Size	0;3mm;5mm;12mm
Speed (Low-speed rotary head) (High-speed heads)	600-1800/min 3000-8000/min
Backing Plate	31, 48, 62mm (1.25", 2", 2.5") Max. 74mm (3")
Foam Pad	44-78mm (1.7"-3") Max. 80mm (3.1")
Battery Capacity	2.5Ah / 5.0Ah
Charging Time	50min / 100min

Dimension

Polisher (machine only)	231x57x61.5mm
Charger BC122	182x138x66mm
Weight	
Polisher (no accessory)	625g
Battery pack B1225A(2.5Ah)	178g
Battery pack B1250A(5.0Ah)	360g
High-torque rotary polishing head (quick-change) (threaded)	196g 157g
High-speed rotary head	148g
5mm High-speed orbital head	137g
12mm High-speed orbital head	166g