

MIRKA

Mirka® PRO Solution with Cordless Tools

Where convenience meets control.

About Mirka

MIRKA LTD is a family-owned Finnish company and a world leader in abrasives technology innovation. We are offering a complete range of technically superior, high quality abrasives, innovatively designed tools, complete sanding systems and supplementary products. This total innovative solution delivers real benefits to customers in terms of speed, first-class efficiency, surface finish quality and cost effectiveness, even when tackling the most demanding applications.

Mirka is the first company in its sector to obtain the three most important quality standards. The production process

guarantees reliable quality by following the ISO 9001 quality assurance system. The OHSAS 18001 occupational health and safety management system ensures a high level of work safety. The ISO 14001 environmental management system proves that we consider the environment in all our activities.

97 percent of our products are exported and sold across the globe through our subsidiaries and importers.



Read more: www.mirka.com



Corporate Responsibility

CONTINUOUS IMPROVEMENT TOWARDS SUSTAINABILITY.

Changing conditions inspire us to improve and grow our business. We see that our customers are as interested in sustainability as we are. This is why our product development is focused on innovating the best sustainable products and systems, while continually improving our own environmental performance.

Our business is focused on providing the best surface finishing preparation tools and systems to customers. To be the most sustainable finishing systems provider, we are digging deep down to the core of our company to figure out what it really means to be sustainable. We have accomplished a great deal already and have many more initiatives we will take on in the future.

For people working at Mirka, it has always been clear to not waste financial or material resources – of our own or those of our customers. We find it is equally clear to preserve the planet's resources. Sustainability is a natural extension of this approach. It means taking

the economy, the earth, and people into consideration when we make business decisions – now and for future generations.

We are continuously looking for opportunities to reduce our environmental footprint – this aligns with our company values and also cuts costs. We have worked hard to conserve energy and raw materials, reduce waste, increase recycling, and decrease the use of persistent chemicals. We are developing healthier, safer, and more efficient products and processes so that our customers and employees will benefit. For example, our dust-free sanding systems help protect the lungs of workers while giving a cleaner and better surface finish.



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Mirka® PRO Finishing Solution

The PRO Finishing solution consists of several Mirka products. Sanding the imperfections is done with our **cordless spot repair sanders** and **Mirka Iridium™ SR spot repair discs**. The sanded area is then polished using **Mirka cordless polishing machines** and **PRO polishing pads** combined with the **PRO Iridium™ 1250** polishing compound.

Efficiency with electric tools

By switching to an electric power tool with an efficient brushless motor, there is potential to save as much as 90% of energy on a yearly basis compared to using pneumatic tools. With the same amount of energy it is possible to run ten electric power tools compared to just a single pneumatic power tool. This means getting *ten jobs done with the same amount of energy* – and especially when energy costs have severely risen, the benefits are even more significant.

Cordless convenience

Mirka cordless tools are light, ergonomic and optimised for spot repair and finessing. Ideal for professionals who appreciate the convenience of cordless. Incredibly nimble, they are quiet, small and need very low maintenance thanks to the brushless motor. Cordless tools are delivered with two 2.5 Ah 11.1V Li-ion batteries and a charger. 5 Ah 11.1V Li-ion batteries are available to buy separately.

Complete control

With variable speed on the trigger you get easy control of the process by touch. Mirka's cordless tools are top of the range models with Bluetooth connectivity, which means additional options for digitally controlling the process via the myMirka® app. The latest features are

RPM range management and auto-stop function (in-app purchases). It's never been easier to standardise your spot repair or finessing process.

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Easy and Fast Solution for professional spot repair

Dust particles and other defects can be a challenge when striving to manufacture products with a perfect glossy surface. Removing these defects is crucial to achieving a consistent finish. The Mirka Iridium™ SR abrasive features excellent consistency and an extremely long life with its efficient silicon carbide grains. With evenly placed grain on a stable and robust backing, Mirka Iridium™ SR daisy discs produce a world-class, uniform cut and scratch pattern that is fast and easy to polish out.

One-step polishing

Normally polishing when removing surface defects is a two-step process, where you use one compound to remove the scratch marks from the sanding. PRO Iridium™ 1250 is developed to give you the best of both worlds, meaning you only need to polish once, while still getting a perfect result. PRO Iridium™ 1250 is developed especially for the PRO Finishing Solution.



MIRKA

MIRKA
PRO
Iridium[®]
1250
For Industrial/OEM applications only
250ml

Mirka® PRO Finishing Solution tools and accessories



Iridium™ SR 3/5/7



Damper with detergent or water



Soft Micro Fiber Cleaning Cloth



Mirka® AOS-B and AROS-B Sanders



Mirka® ARP-B and AROP-B Polishers



PRO Iridium™ 1250



Mirka Polishing Foam Pads, waffle



Mirka Multi-purpose belt

Mirka® PRO Finishing Solution

Sanding the imperfections is done with our cordless spot repair sanders and Mirka Iridium™ SR spot repair discs. The sanded surface is then polished using Mirka cordless polishing machines and PRO polishing pads combined with the Pro Iridium™ 1250 polishing compound.



1 For removing of defect use Iridium™ SR and Mirka® AOS-B 130 sander.



2 Always use water when sanding, apply water to both abrasive and the defected area. Use Mirka damper for best result.



3 Lightly press with the sander and sand for 2–3 seconds.



4 Wipe clean and check the surface. Repeat step 2&3 if needed. Use Mirka's Soft Micro Fiber Cloth.



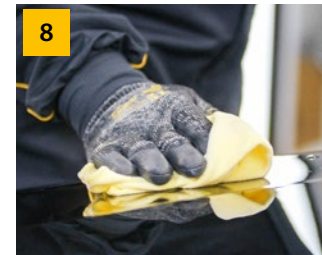
5 For polishing and finalising use the cordless Mirka® AROP-B 312 polisher, Mirka Polishing Foam Pad (yellow waffle) and PRO Iridium™ 1250 compound.



6 Apply a small amount of PRO Iridium™ 1250 compound on the polishing pad or directly to the defected surface area.



7 Polish by gently pressing. Use at moderate speed. Wipe clean and check the surface. Repeat if necessary.



8 Use Mirka's Soft Micro Fiber Cloth for final cleaning.

Mirka® AOS-B and AROS-B

Mirka Cordless Sanders



Move freely without getting tangled up in cords or hoses. Easy and efficient spot repairs with Mirka's cordless sanders. The small, lightweight sanders have brushless motors. The ergonomic design has been a priority to ensure that the tools can comfortably be used for long periods without fatigue.

Cordless sanders are more energy efficient than pneumatic tools. They do not require oiling, which removes the risk of contamination. The sanders deliver consistent performance up to 16 hours in spot repair use. The 11.1V Li-ion battery charges in 45 minutes – so with two batteries, there is no downtime.

Mirka AOS-B has a 3 mm orbit, whereas Mirka AROS-B has a random 5 mm orbit for more efficient stock removal. Mirka's state-of-the-art cordless tools have Bluetooth connectivity. Download the myMirka® app to make use of advanced features such as auto-stop function and RPM range management (in-app purchases).



red dot award 2017
winner

AOS-B 130



AROS-B 150

Technical specifications

Features and benefits

- Small and ergonomic, very comfortable to use
- Quick start and adjustable rpm up to 8000
- Low noise levels and no disturbing cable or hose
- Long usage time, up to 16 hours, for spot repairs
- Economic to use – energy efficient and quick-charging battery
- Easy attachment of backing pad thanks to Quick lock -system



Technical specifications	Mirka® AROS-B 150	Mirka® AOS-B 130
Code	8991150312	8991230312
Voltage	Max 12 VDC	Max 12 VDC
Speed	4,000 – 8,000 rpm	4,000 – 8,000 rpm
Orbit	5.0 mm ($\frac{3}{16}$ "	3.0 mm ($\frac{1}{8}$ "
Size of backing pad	Ø 32 mm (1 $\frac{1}{4}$ "	Ø 32 mm (1 $\frac{1}{4}$ "
Connectivity	Bluetooth	Bluetooth
Degree of protection	III	III

Battery charger	BCA 108
Input	100 – 240 VAC, 50/60 Hz
Charging time	< 50 min (2.5 Ah)
Storage temperature range	-20 °C...80 °C
Charging temperature	4 °C...40 °C
Dimension	191 x 102 x 86 mm
Net weight	0.66 kg (1.46 lbs)
Degree of protection	II / ☐

Battery pack	BPA 11125
Type	Rechargeable Li-ion 3INR19/65
Battery voltage	11.1 VDC
Capacity	2.5 Ah 27.0 Wh
Weight	0.18 kg
Intelligent battery	Yes

Mirka® ARP-B and AROP-B

Mirka Cordless Polishers



Mirka ARP-B and Mirka AROP-B are ideal for professionals; light, ergonomic and optimised for spot repair polishing. Incredibly nimble, they are easy to move around – with no cord to get tangled or air supply that can get contaminated. Quiet, small and very low maintenance thanks to the brushless motor.

and a 77 mm backing pad. The random orbital polisher AROP-B 312 is similarly brushless with 77 mm backing pad and it has a 12 mm orbit. Mirka's state-of-the-art cordless tools have Bluetooth connectivity. Download the myMirka® app to make use of advanced features such as auto-stop function and RPM range management (in-app purchases).

Mirka ARP-B 300 is a rotary polisher with a brushless motor

Features and benefits

- Small, light and ergonomic
- Strong and efficient – high torque and optimal rpm
- Very low noise level
- Intelligent and quick-charging battery in two sizes
- Possibility to standardise processes with the myMirka app
- Variable speed trigger – adjust speed on the go





Technical specifications

Technical specs	Mirka® AROP-B 312	Mirka® ARP-B 300
Code	8991012311	8991000311
Voltage	Max 12 VDC	Max 12 VDC
Speed	4,000 – 7,000 rpm	1,500 – 2,200 rpm
Orbit	12.0 mm (1/2")	0 mm (0")
Size of backing pad	Ø 77 mm (3")	Ø 77 mm (3")
Weight (incl. battery)	0,89 kg	0,87 kg
Connectivity	Bluetooth	Bluetooth

Battery pack	BPA 11125	BPA 11150
Type	Rechargeable Li-ion 31NR19/65	Rechargeable Li-ion 31NR19/65-2
Battery voltage	11.1 VDC	11.1 VDC
Capacity	2.5 Ah / 27.0 Wh	5.0 Ah / 54.0 Wh
Intelligent battery	Yes	Yes

Battery charger	BCA 108
Input	100 – 240 VAC, 50/60 Hz
Charging time	< 50 min (2.5 Ah)
Storage temperature range	-20 °C...80 °C
Charging temperature	4 °C...40 °C
Dimension	191 x 102 x 86 mm
Net weight	0.66 kg (1.46 lbs)

Mirka Iridium™ SR

With tridimensional technology

Mirka's **Iridium™ SR** abrasive features excellent consistency and extremely long use life with its efficient silicon carbide grains. With uniformly placed grain material on a stable and robust backing, Mirka Iridium™ SR produces a class-leading, uniform cut and scratch pattern that is fast and easy to polish out. Molded onto the carrier material for a uniform surface, the triangular silicon carbide grains form new abrasive edges whenever they break down during the sanding process, prolonging the sharpness of the Iridium™ SR.

Features and benefits

- Excellent quality consistency
- Fast cut and long life
- Easy to polish out
- Silicon carbide grains and a stabile and robust backing results in improved performance

Technical specs	Iridium SR3	Iridium SR5	Iridium SR7
Grain	Silicon Carbide	Silicon Carbide	Silicon Carbide
Color	Green	Grey (dark green)	Purple
Backing	Film (3 mil)	Film (3 mil)	Film (3 mil)
Bonding	Slurry	Slurry	Slurry
Grit range	3 μ (eqv. to P5000)	5 μ (eqv. to P3000)	7 μ (eqv. to P2500)
Coating	Close	Close	Close
Dimensions & attachment	32mm / Grip & PSA	32mm / Grip & PSA	32mm / Grip & PSA
Package	500 discs / roll	500 discs / roll	500 discs / roll



Microns and grits

The number in the product name represents micron, the unit used to measure size of particles in the abrasive. Corresponding grit:

Iridium™ SR 3 μ = P5000

Iridium™ SR 5 μ = P3000

Iridium™ SR 7 μ = P2500

Abrasives



Iridium™ SR3 (32mm)

Mirka code: 2430900196 (500/rll)

» High precision spot repair abrasive for correcting small painting defects and removal of dust particles in top coats and clear coats. $3 \mu = P5000$.



Iridium™ SR5 (32mm)

Mirka code: 2430900197 (500/rll)

» High precision spot repair abrasive for correcting small painting defects and removal of dust particles in top coats and clear coats. $5 \mu = P3000$.

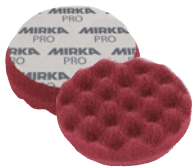


Iridium™ SR7 (32mm)

Mirka code: 2430900198 (500/rll)

» High precision spot repair abrasive for correcting small painting defects and removal of dust particles in top coats and clear coats. $7 \mu = P2500$.

PRO Polishing Pads



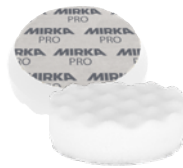
Foil Pad,
burgundy waffle

» Suitable for hard and medium hard coatings. Providing a fast cut with good gloss and a stable polishing process.



Foil Pad,
yellow waffle

» Foam pad with excellent elasticity. Suitable for all kinds of polishing processes.



Foil Pad,
white waffle

» The white waffle pad have a high reticulation with strong mechanical properties achieving a long life.



Foil Pad,
orange waffle

» Excellent balance in elasticity and softness. Well suitable for softer clear coats and paints for a perfect finish.



Foil Pad,
black waffle

» Foam pad for hologram removal gives an excellent finishing on both fresh and fully cured paint works.



Lambswool
Pad Pro

» 80mm pad made of premium wool fibers optimized to keep performance on a high level for demanding use.

Polishing Compounds

PRO Iridium™ 1250 Polishing Compound

Mirka product code: 7991250111 (1 L)

» Professional one-step polishing compound for removing scratches from spot sanding with Mirka Iridium SR. Polish to a glossy finish using Mirka PRO polishing pads.



Polarshine® 8 Polishing Compound

Mirka product code: 7993310111 (1 L)

» Developed as a one-step polishing compound for softer clear coats. Polarshine® 8 is optimized to have a well-balanced aggressivity and achieve a very high gloss level in normal 2K and 1K Clear coats and Top Coats.



Polarshine® 12 Polishing Compound

Mirka product code: 7991210111 (1 L)

» Polarshine 12 is a water-based and silicone-free one-step polishing compound. Will remove scratches from P2000 or finer. It has a perfect balance of haze and hologram versus speed of cut.



Polarshine® 5 Polishing Compound

Mirka product code: 7990500111 (1 L)

» Polarshine 5 is developed to give a superior high gloss finish on various paints and lacquers. This water-based polishing compound removes swirl marks on paints and clear coats, leaving a high gloss finish.



Battery Packs



BPA 11125 Intelligent battery

Type: Rechargeable Li-ion 3INR19/65
Battery voltage: 11.1 VDC
Capacity: 2.5 Ah / 27.0 Wh
Intelligent battery: Yes



BPA 11150 Intelligent battery

Type: Rechargeable Li-ion 3INR19/65-2
Battery voltage: 11.1 VDC
Capacity: 5.0 Ah / 54.0 Wh
Intelligent battery: Yes

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 **Bluetooth®**



myMirka® – Digital solution by Mirka

Download the *myMirka app* to access additional features and functionalities for your power tool.



Google Play



App Store

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Dedicated to the finish.