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SURFACE FINISHING & MAINTENANCE

SURFACE FINISHING

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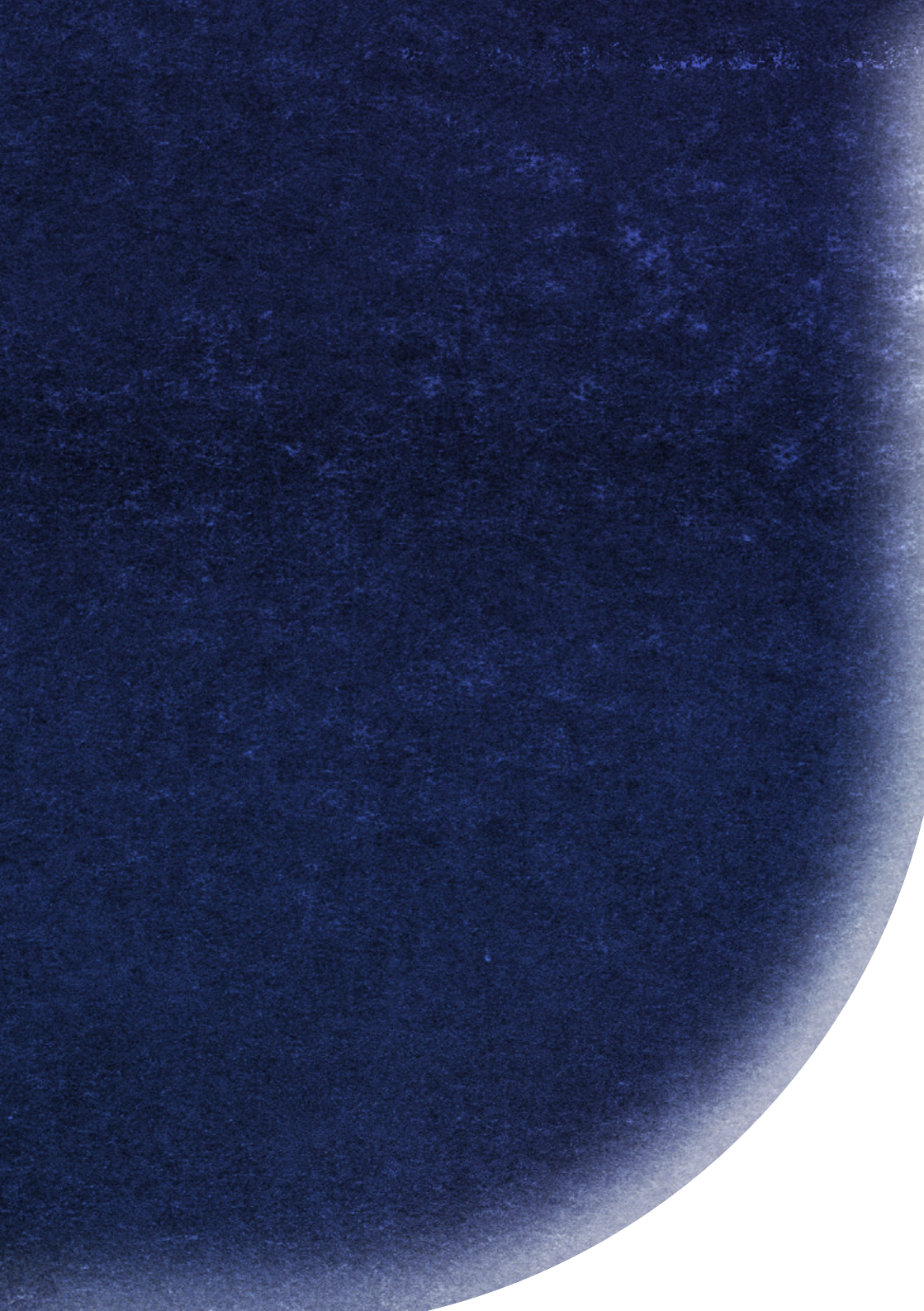
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SUPERABRASIVE PAD_{GUIDE}

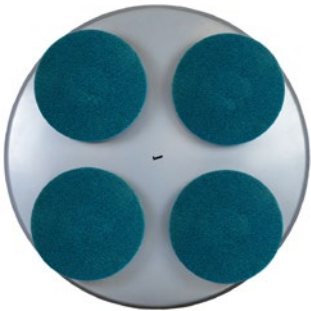
The pads that clean, strip and shine a finished floor. What each range does, and how to read the grit by what the floor needs.

ONE LADDER

Every pad here sits on the same scale, 220 to 8000. Low numbers cut: stripping dirt, old polish and scuffs. High numbers shine. The floor's condition sets where you start; the finish you want sets where you stop.

WHY IT WORKS

Each pad carries industrial diamond in the fibre, so the pad does the cutting and water does the carrying. No chemicals, no residue to rinse: the same pass cleans the floor and refines it. Swap pads up the ladder and a scrubbing routine becomes a polishing one.



TWO SPEEDS, SAME PADS

Slow machines clean. On the scrubber-dryer or a single disc, run the pads wet: deep cleans at 400 and 800, upkeep at 3500. Fast machines shine. On a burnisher, run 800 up with the pads just damp; the speed sets the gloss. One rack of pads serves both.

THE TWO MISTAKES

Dry pads on a burnisher glaze and dust: mist them. A pad maintains a floor; it will not fix one. Real cutting is grinder work, p.19.

THE LADDER

-  **8000 · silver**
The daily burnish. Top gloss, holds it there.
-  **3500 · green**
Daily upkeep that lifts gloss as it cleans.
-  **1800 · yellow**
The step from satin to gloss.
-  **800 · white**
Deep clean; the first gloss pass.
-  **400 · red**
Very deep clean, surface prep.
-  **220 · brown**
The strip. Bottom of the ladder, HD only.

THE RANGES



→ Regular, 400–8000

The ladder itself. Five grits, colour-coded, for every hard and resilient floor: concrete, terrazzo, stone, epoxy, vinyl.



→ High Performance, 800–3500

Double the diamond load on the face. Cleans and lifts gloss in the same daily pass and lasts up to 60,000 m² (maker's figure); the 3500 is the one-pad answer for high-traffic floors.



→ Heavy Duty, 220 / 400

The tough build for stripping and prep where the floor fights back: old polish, sealer, ground-in dirt.



→ Hybrids, 50–8000.

Velcro-backed 127 mm pucks on a resin-metal hybrid bond, spaced around a plain maintenance pad. The low grits, 50 to 400, are the restoration step: light grinding and honing that takes scratches, stains and orange peel out of concrete, terrazzo and stone on a scrubber, run wet with 40 kg or more on the deck. From 800 up they polish. On soft concrete, densify after the 50 or 100 pass; UltraLit.

PICK BY THE FLOOR

Scratched, stained or orange-peeled: the Hybrids, 50 up, then climb. Dirty or coated in old polish: HD 220 or 400. Clean but flat and dull: 800, then 1800, then 3500. Good floor you want to keep: 3500 or 8000 on the regular scrub round. High-traffic floor: the HP pad, one pad, every day.

WHICH MACHINE?

430 mm pads fit the HP-17, the STR 701L and the XY-78K. 508 mm fits the high-speed burnisher. 230 and 255 mm serve the small single discs. The GW-55A scrubber-dryer runs the maintenance grits on its daily round, water down, drying behind itself. Grit on the label, colour on the face.

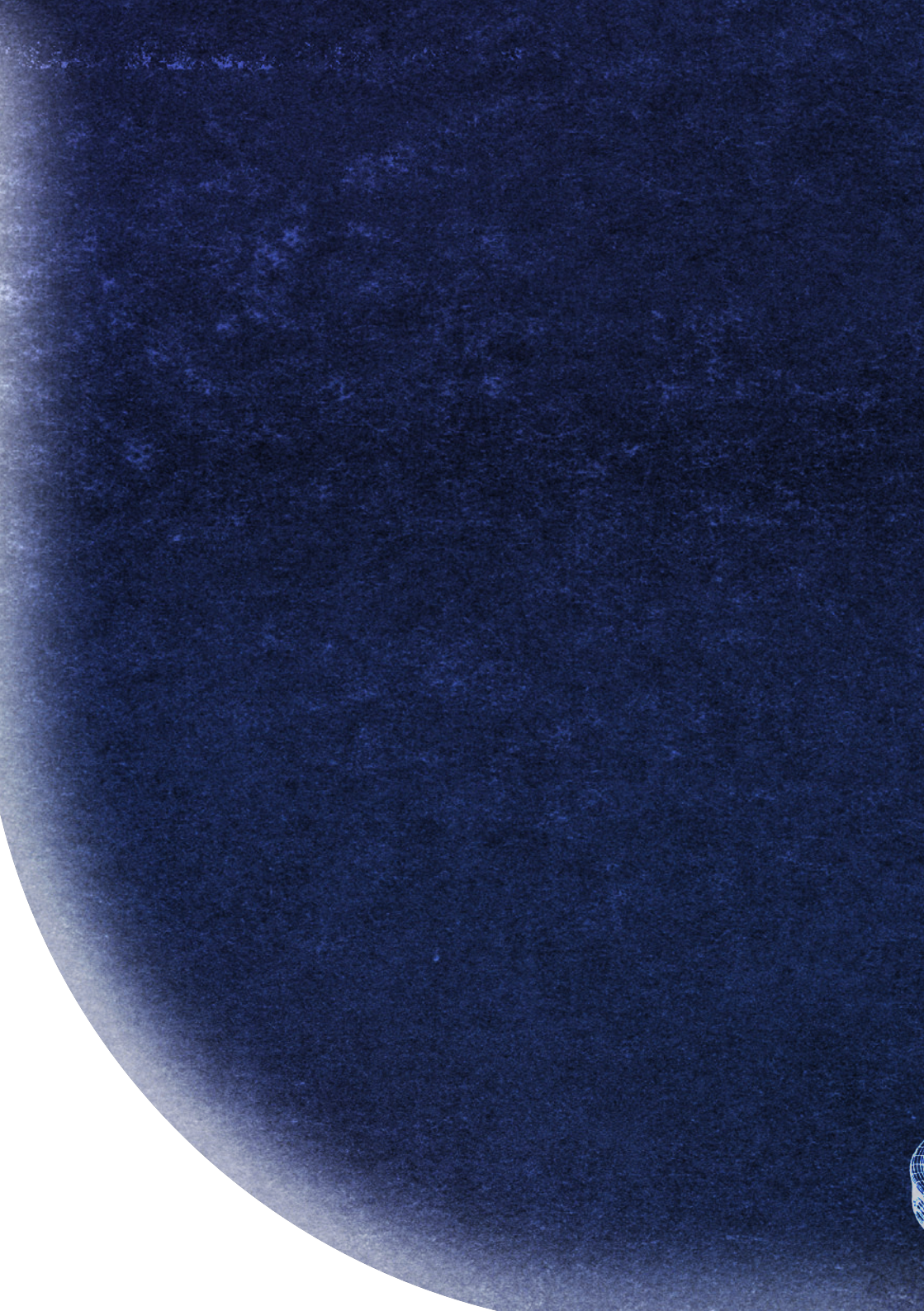
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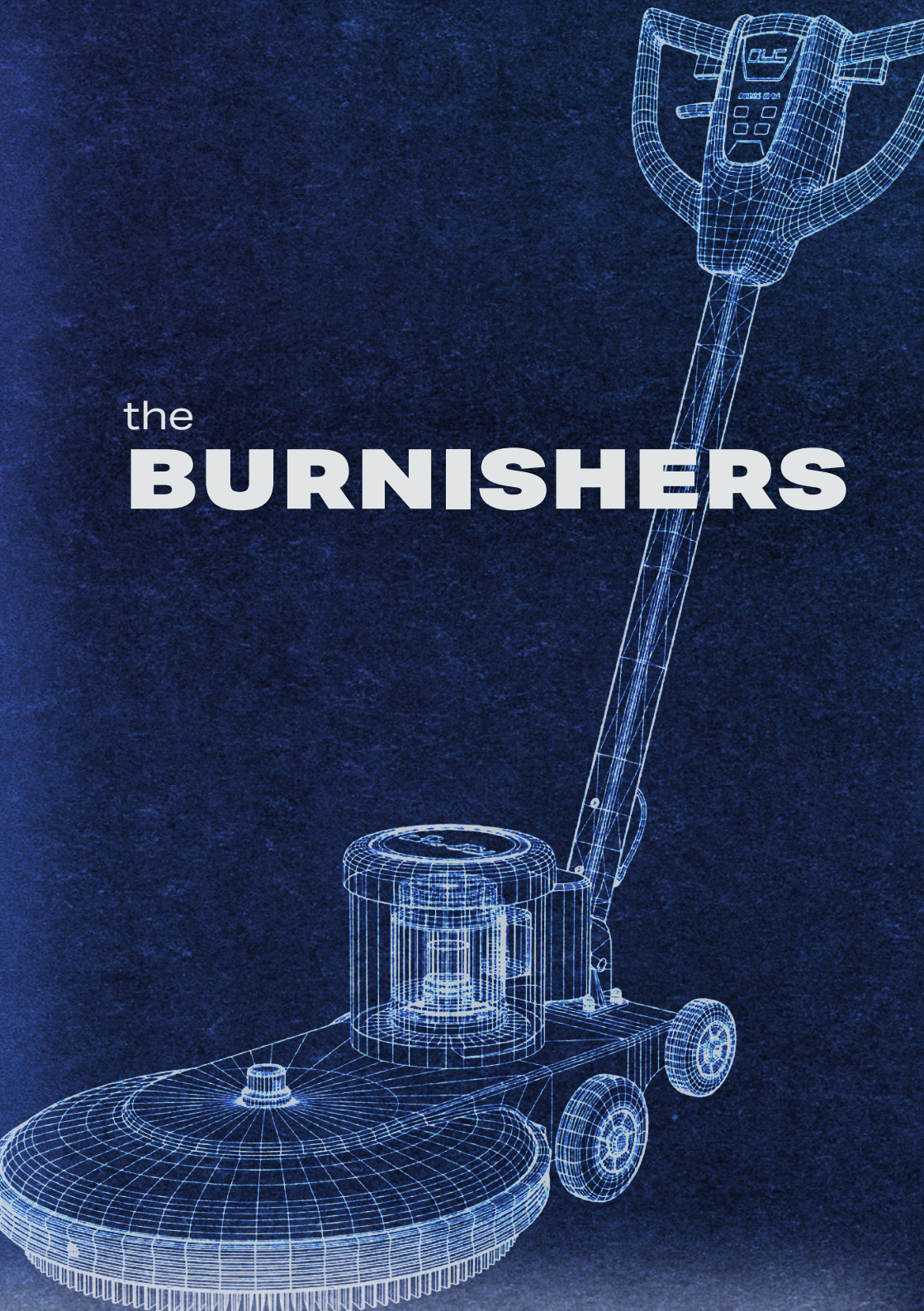
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BURNISHERS



The mirror-gloss concrete floor is younger than it looks. Modern polishing came out of Sweden in the early 1990s, when HTC built the first modern concrete polishing machines. Burnishing is the last step in that method: a high-speed machine that works the sealer in and lifts the floor to a shine.

WHAT IT DOES

A burnisher finishes and maintains a polished floor. After the resin pads have polished the slab, it works out the fine haze they leave and brings the surface up to a high gloss. When a sealer goes on, the burnisher's pads heat the surface and bond the sealer into it. The same machine holds that gloss later, run over the floor as routine maintenance.

**FINISH,
NOT A FIX.**

A finishing machine refines a floor that is already flat and clean; it does not fix one that is not. If the slab is coated, rough or uneven, that is grinding and prep, and it comes first.

WHY IT'S USED

A burnisher does the finishing a grinder cannot. It clears the fine haze a resin polish leaves and lifts the slab to a high gloss. It also works the sealer in: the sealer hardens the concrete on its own, but the heat from the burnisher's pads bonds its polymer into the surface, and that is what builds the gloss and the stain- and wear-resistant layer. Its third job is upkeep. A regular burnish holds the high gloss over the life of the floor, without going back to the grinder.

WHAT SEALER?

Both sealers harden the floor and burnish up to a high gloss, with no wax or coating on top. Use Gloss Plus on most polished concrete: shops, offices, showrooms wanting a hard, stain-resistant shine. Choose Gloss Shield where the floor takes punishment, warehouses, forklift routes, food areas. Its nano-particle polymer and 25 % solids hold the gloss and resist stains longer.



SPRAY

Spray a thin, even coat with a low-pressure sprayer.

**MOP**

Spread it out with a micro-fibre pad so the slab takes it up evenly.

**FLASH OFF**

Let the standing wet flash off until the surface is no longer wet. There is no set drying time; burnish as soon as it has gone off.

**BURNISH**

Run the high-speed burnisher over the floor with non-diamond pads. The pads heat the surface to about 32 °C, bond the sealer in and bring up the gloss. Burnish every coat, up to three.

① **Burnisher:** High-speed pad machine that lifts gloss; not a grinder.

① **Densifier:** Liquid hardener that lets concrete take and hold a shine.

① **Slurry:** The wet waste a water-fed pad lifts off stone or concrete.

① **Sealer:** Liquid that hardens the surface and resists stains; breathable, not a film.

① **Flash off:** Wet surface evaporates to touch-dry, no cure.

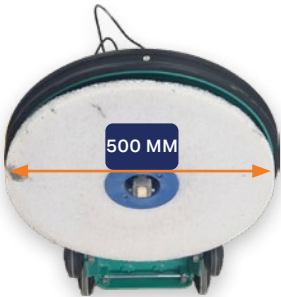


1000 × 560 × 1200 mm



1500 RPM
BURNISHER

Single disc burnisher for concrete and stone floors. Light and handy for smaller rooms, edges and tighter sites.



DAY 1	€32
+1 DAY	€16
WEEK	€64

WORKING WIDTH	500 mm
SPEED	1500 rpm
MOTOR	1.8 kW
VOLTAGE	230 V, 50 Hz
PLUG SIZE	13 A, 3 pin
PHASE	1
DISC PAD	500 mm
WEIGHT	50 kg



970 × 500 × 1500 mm



HIGH TECH GRINDING HP-17

Variable-speed bur-nisher for burnishing large concrete floors. Runs slow for pad work or fast for a high-speed shine.

DAY 1 €70

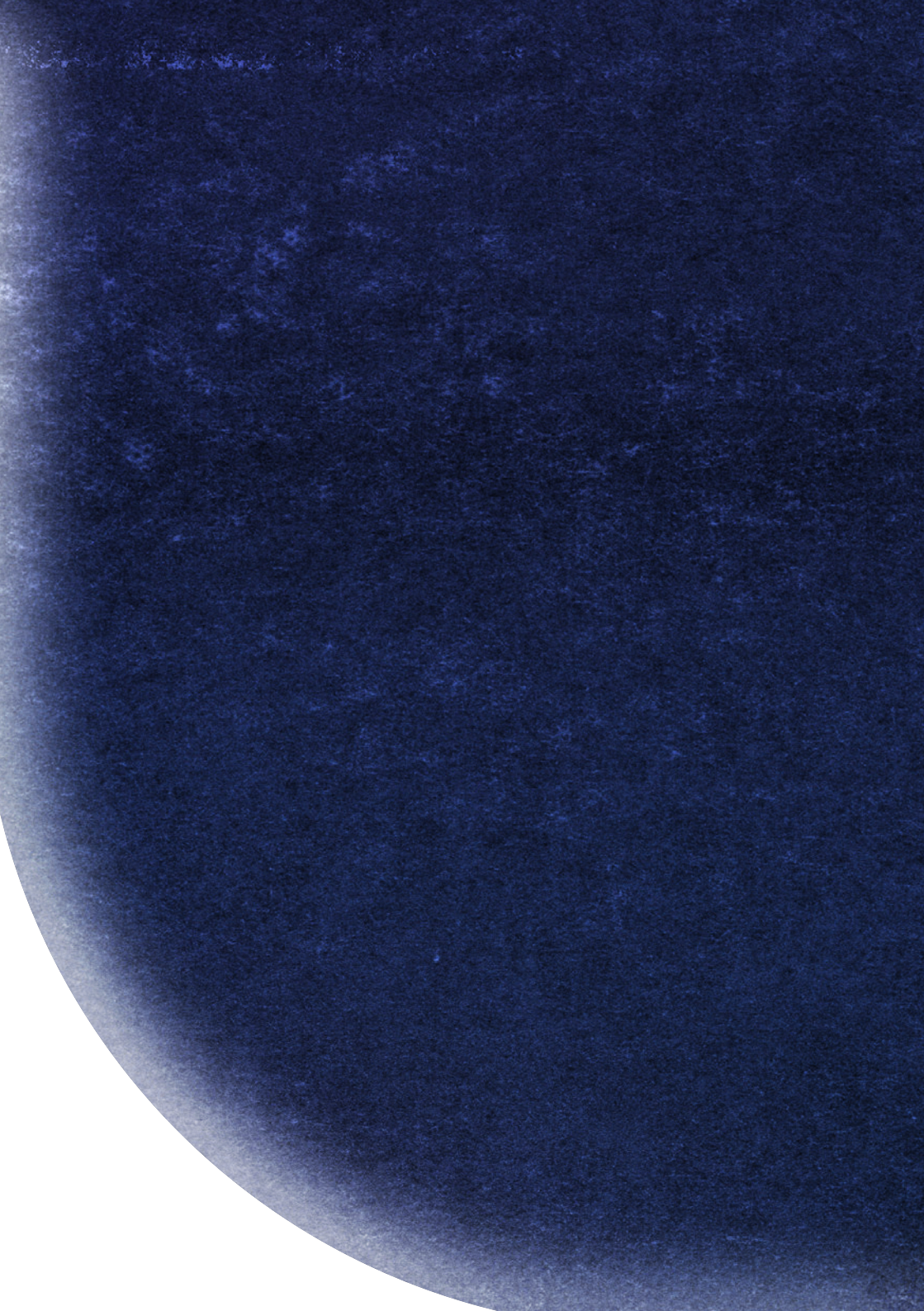
+1 DAY €35

WEEK €140

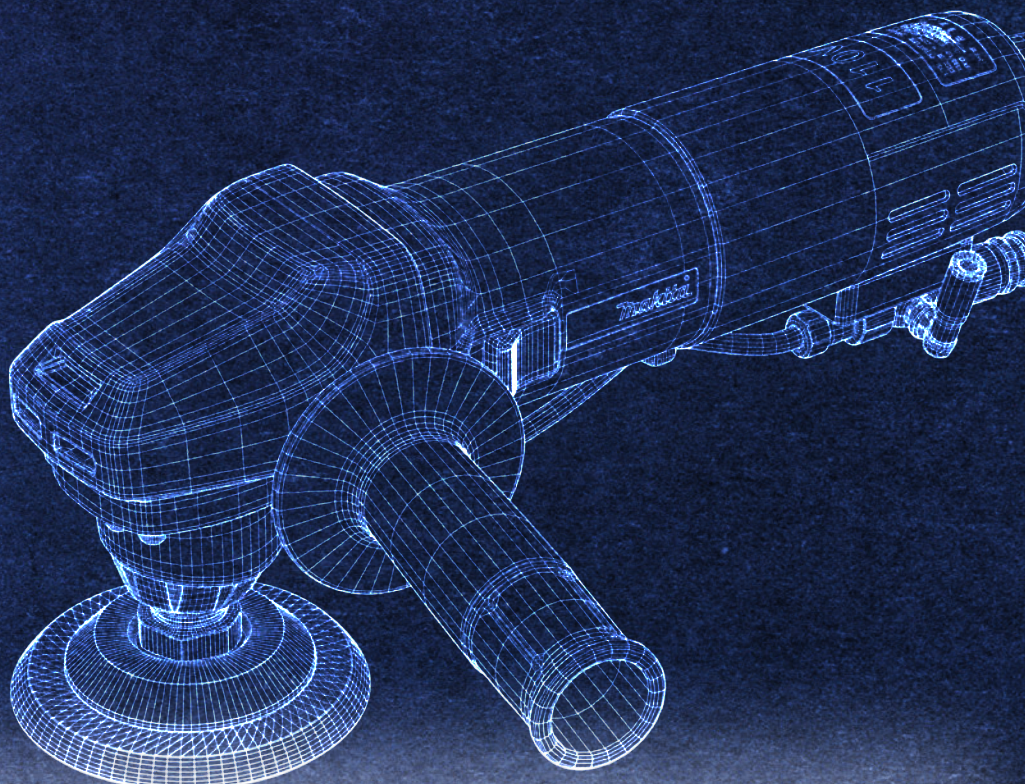


WORKING WIDTH	430 mm
SPEED	350–1500 rpm
MOTOR	4.0 kW
INVERTER	• 7.5 kW
VOLTAGE	• 220–240 V • 380–460 V
PLUG SIZE	• 16 A, 3 pin • 32 A, 5 pin
PHASE	• 1 • 3
CONFIG	Delta Inverter
WEIGHT	125.0 kg





the
**HANDHELD
POLISHERS**



HANDHELD POLISHER PADS

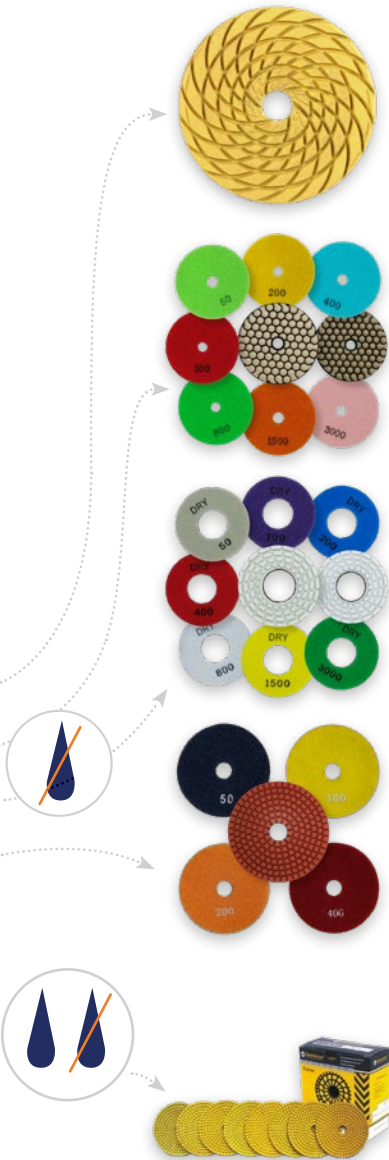
The pads that clean and shine a finished surface.

PAD	GRIT	Ø MM
CoolPAD	steps 0–4	100
Concrete Stone	50, 100, 200, 400, 800, 1500, 3000	100, 125
Flex Diamond Resin	50, 100, 200, 400, 800, 1500, 3000	100
Convex	50, 100, 200, 400	100

➔ All dry · velcro, M14 fit

PAD	GRIT	Ø MM
Diamond Polishing Pad Standard	30, 60, 120, 220, 400, 800, 1500, 3000	100

➔ Wet and Dry · velcro, M14 fit







**HAND-HELD
POLISHERS
(DRY)**

DAY 1	€22
+1 DAY	€11
WEEK	€44

Honing, buffing, polishing and sanding into tight spots.

VOLTAGE	• 110 V • 230 V
PLUG SIZE	• 16 A, 3 pin • 13 A, 3 pin
BRANDS	Bosch and Makita



**HAND-HELD
POLISHER
(WET)**



VOLTAGE	• 110 V • 230 V
PLUG SIZE	• 16 A, 3 pin • 13 A, 3 pin
MOTOR POWER	• 0.9 kW
SOUND PRESSURE	85 dB(A)

Three water supply holes evenly feed water to every channel of the polishing pad.

DAY 1	€22
+1 DAY	€11
WEEK	€44



HYPERGRINDER CT 330 VS

Handheld orbital sander and polisher for marble, concrete, stone, parquet and porcelain. Polishing, waxing and fine sanding into tight spots.

WEEK

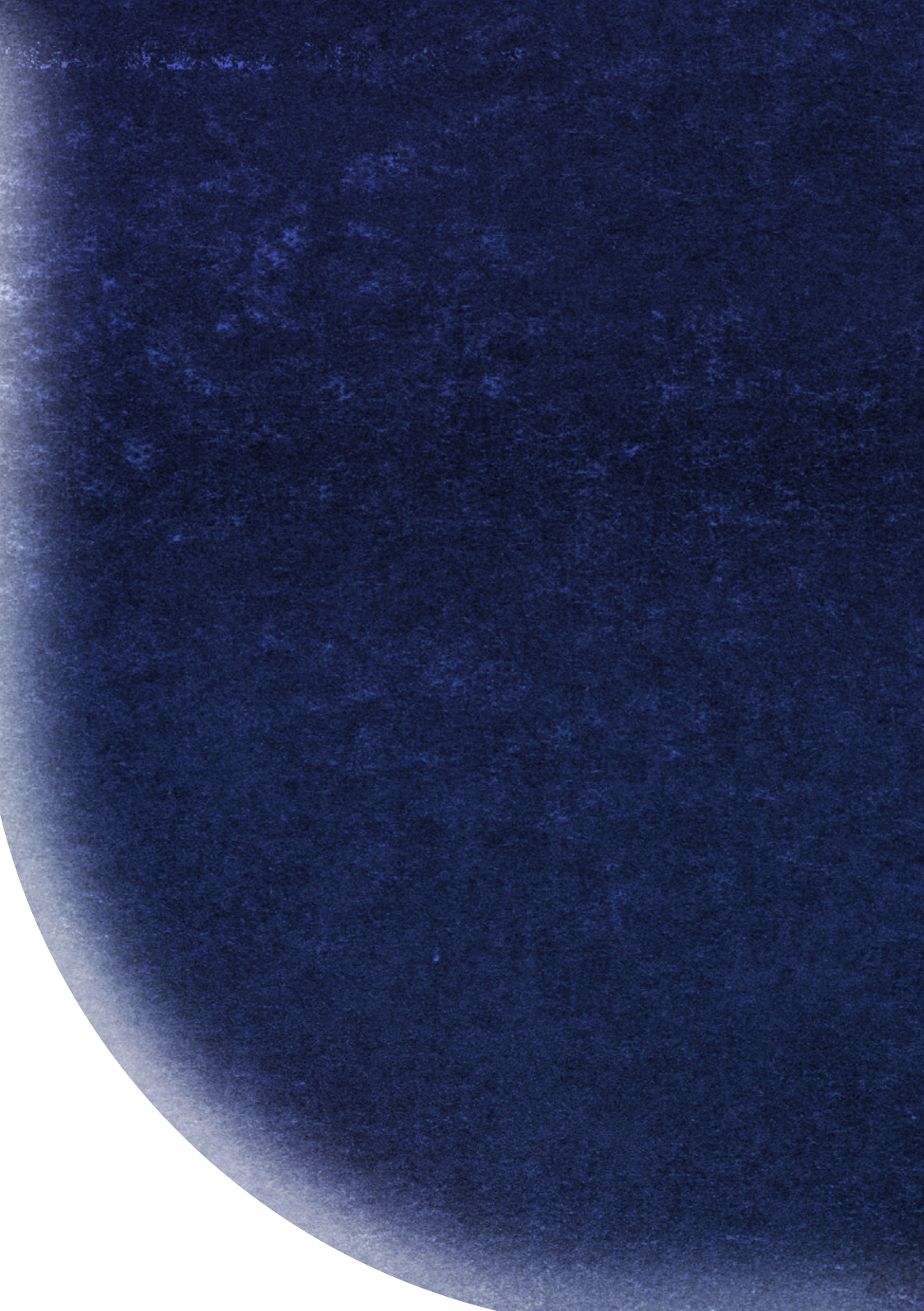
€200



DISC CONFIG	3 × 140 mm planetary, counter-rotating
FREQUENCY	50/60 Hz
MOTOR	0.77 kW
SPEED MIN	330 rpm
SPEED MAX	770 rpm
TANK	2.0 L
VOLTAGE	110 V
WEIGHT	27.0 kg
WORKING WIDTH	330 mm

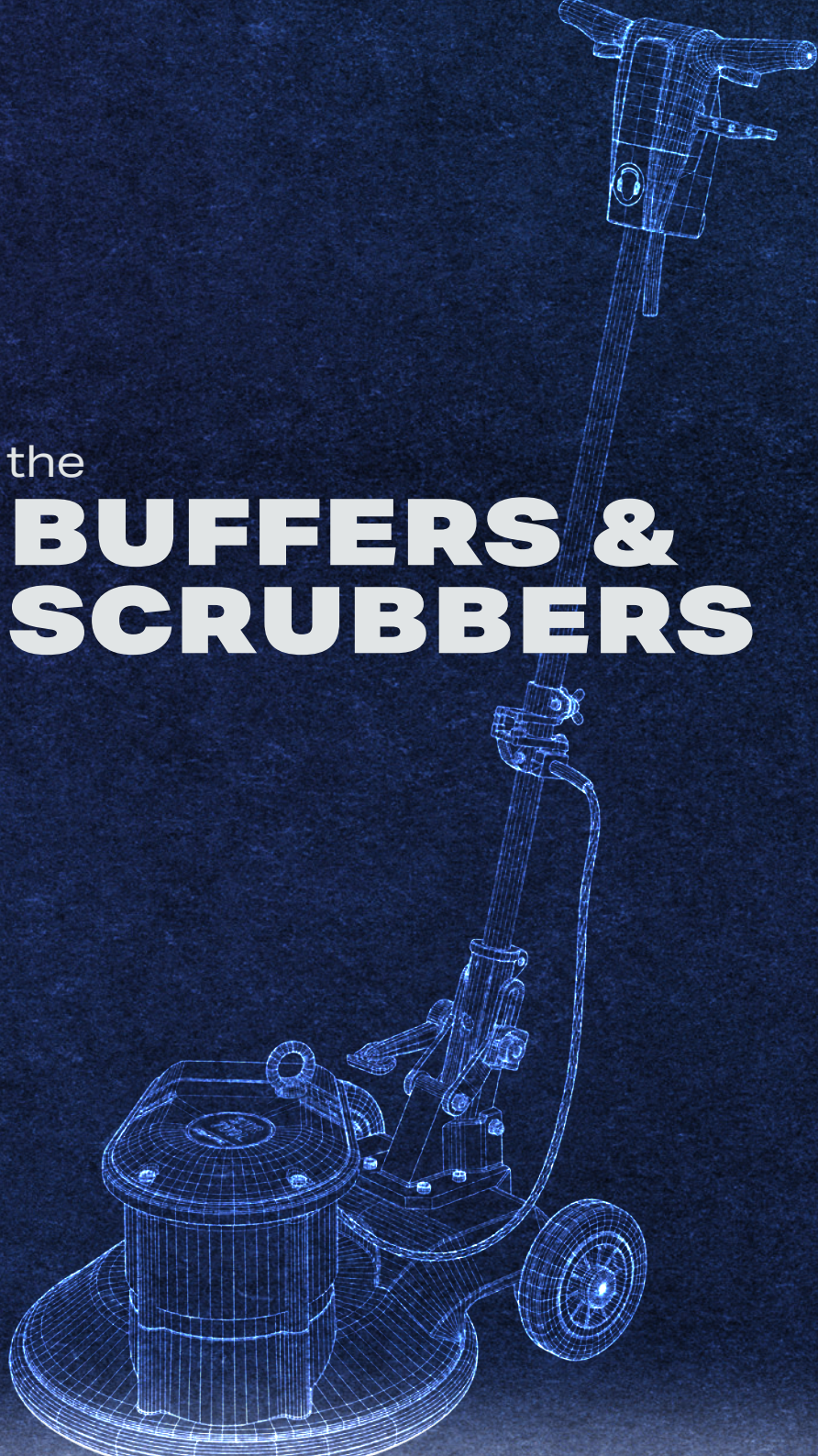


CT 330 VS carrier case.



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BUFFERS & SCRUBBERS



A single disc machine spins one weighted head flat against the floor, and what you fit to it decides the outcome. Fit a brush and it scrubs; a cleaning pad and it buffs; a sanding pad and it sands or a diamond disc and it grinds. One body and a rack of attachments cleans, strips, sands and grinds a hard floor.



WHAT IT DOES

Cleans and finishes hard floors from one rotary head: scrubbing, strip-ping residue, light sanding of screed, buffing to a sheen, all by swapping the attachment.

WHY IT'S USED

The builder's clean at handover, scrubbing a new floor before the client walks it. Maintenance washing on a floor already in service. A strip to take old polish or a worn coating back before a re-coat. A sheen brought up on a sound floor.

WHAT PAD?

Brushes scrub, and strip pads remove residue; sanding pads and diamond discs abrade screed and coatings; SupraShine pads buff to a sheen. Match the attachment to the job: soft to clean, hard to strip and sand.

RESTORE

Brushes, soft to hard, for cleaning, and spray work.



STRIP

Strip pads lift old polish and coating residue.



SAND

Sanding pads and diamond discs abrade screed and coatings.



RANGE

SupraShine pads buff, clean, and even restore depending on the grit you apply.

**SEE THE
PAD GUIDE,
P.114**

CLEAN

These are finishing and cleaning machines. A single disc buffer scrubs, strips, sands lightly and buffs; it does not cut a concrete profile or flatten a slab. If the floor needs a CSP for a coating, or a true grind to flat, that is a planetary grinder, and it comes first. The buffer is the light touch at the end: maintenance, a strip before re-coat, a sheen on a sound floor. Run it on raw or uneven concrete and it only polishes the problem.

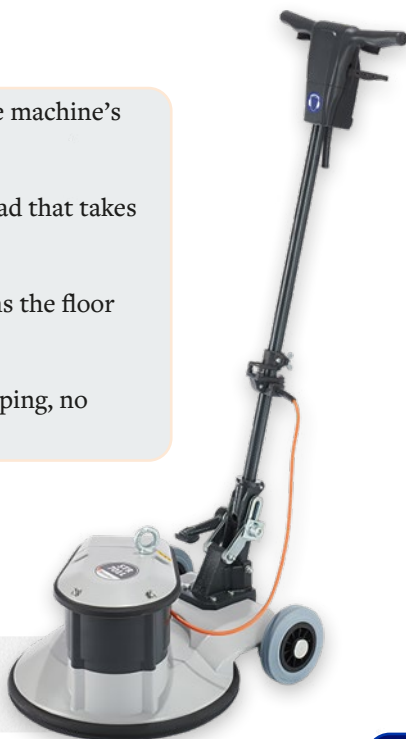
- ① **Drive plate:** Holds the pads onto the machine's head.
- ① **Single disc:** One weighted rotary head that takes a brush, pad or disc.
- ① **Scrubber-dryer:** Scrubs and vacuums the floor dry in one pass.
- ① **Screed:** A thin sand-and-cement topping, no gravel.

DUST AND SLURRY

Dry sanding screed or running diamond discs throws respirable crystalline silica, so the 0.1 mg/m³ eight-hour limit applies (S.I. 122 OF 2024): M-class extractor, H-class for old coatings. Wet scrubbing trades dust for slurry, a slip hazard and a disposal job, not one for the drain.

READ THE GRIT

The XY-78K and STR 701L take the same pads, and the grit on the face is what sets the outcome. Every SupraShine pad sits on one ladder, 220 to 8000: low grits strip dirt and old polish, the middle cleans and refines, high grits bring up the shine. The colour codes and the full ladder are on the pad guide, p.114.



BUFFER PADS BRUSHES

The pads that clean and shine a finished surface.

PAD	GRIT	Ø MM
SupraShine Heavy Duty	220, 400	430
SupraShine Regular	400, 800	430

➔ XY-78K, STR 701L



➔ **Cleaning**

PAD	GRIT	Ø MM
Sanding Pad G36-G180	36, 40, 50, 60, 80, 100, 120, 150, 180	430
Sanding Pad HD	16, 24	430
Sanding Screen	60, 80, 100, 180	430
Tungsten sanding disc	16, 24	430

➔ XY-78K, STR 701L



➔ **Sanding**

PAD	GRIT	Ø MM
Cleaning Pad 20"	(colour-graded, no grit)	508
SupraShine Heavy Duty	220, 400,	500
SupraShine Regular	400, 800,	500

➔ GW-55A scrubber / dryer



➔ **GW-55A**



1000 × 560 × 1200 mm



XINGYI XY-78K

Single disc machine for everyday floor cleaning: scrubbing, spray cleaning and polishing small areas on hard floors.

DAY 1	€64
+1 DAY	€32
WEEK	€128

WORKING WIDTH	430 mm
ROTATING SPEED	176 rpm
MOTOR POWER	1.8 kW
VOLTAGE	• 110 V • 230 V
PLUG SIZE	• 32 A, 3 pin • 13 A, 3 pin
FREQUENCY	50 Hz
WEIGHT	78 kg



1000 × 560 × 1200 mm



SCHWAMBORN STR 701L

Single disc grinder and cleaner for big floors. Sanding screed, striping adhesives and coatings, and demanding clean-ups.

DAY 1 **€64**

+1 DAY **€32**

WEEK **€128**



VOLTAGE	110 V
PLUG SIZE	16 A, 3 pin
MOTOR	2.3 kW
PRESSURE	38 g/cm ²
SPEED	156 rpm
WEIGHT	58.5 kg
WORKING WIDTH	430 mm
PHASE	1
DISC PAD	430 mm
NOISE LEVEL	62 dB(A)

Battery Powered

1320 × 630 × 1200 mm



**HTG / XINGYI
GW-55A SP**

Battery scrubber-dryer.
550 mm working width.
24 V DC battery. 5 L
tank. For scrubbing and
drying across larger
site floors on one
charge.



WEEK

€180



VOLTAGE	24 V battery
MOTOR	0.5 kW
WEIGHT	208.0 kg
WORKING WIDTH	550 mm

Gloss Maintenance

UltraLit Brilliant

A polymer maintenance cleaner that leaves a thin, streak-free protective film. It dries to a glossy, non-slip layer that resists dirt and shrugs off heel and tyre marks, and regular use renews the layer without letting coatings build up. The gentlest of the three and the most forgiving on surface type: safe on PVC, linoleum, and rubber.



Everyday Hardening Cleaner

UltraLit Clean

The routine maintenance wash. A small active-lithium content means it keeps hardening and dustproofing the floor while it cleans, lifting general dirt, grease and oil from workshop and garage floors. Low-foaming, works manually or through a machine. For alkali- and water-resistant industrial floors: concrete, cementitious screed, hard-baked brick, cotto and stoneware tiles, epoxy resin floors and asphalt. Not for linoleum or rubber.



Heavy-Duty Cleaner and Stripper

UltraLit Clean Plus

The strongest in the range. A highly alkaline lithium concentrate that dissolves stubborn industrial dirt, oil and grease fast, and doubles as a stripper to take back old maintenance films. Being so concentrated, it uses the least product per tank. For water- and alkali-resistant industrial floors only; do not use on coated floors, linoleum or rubber.

