

THE MACHINES THAT CHANGE A FLOOR



Belt, edger, planetary, buffer, HEPA. Named types from The Craft. Containment at the source, not a shop-vac at the door.



ECOWOODS
MACHINES · THE KIT

DUST-FREE IS A SYSTEM. A VACUUM IS NOT A SYSTEM.

Ecowoods publishes the machine types in The Craft and in the Visual Library. The trade that actually sands Toronto and Buffalo floors runs a short list of manufacturers because the physics is the same: cut the face, capture the dust at the shoe, finish without swirls. HEPA containment is how we sand. It is not a surcharge invented at the door.

1 Belt / drum sander

The field machine. Takes the old finish and the high spots. Lägler Hummel is the belt the trade recognises. Connected to a sealed collector, not a cloth bag.

2 Floor edger

The perimeter the belt cannot reach. American Sanders Super 7 and Lägler Flip / Elan are the usual names. Halo marks are an operator problem, not a species problem.

3 Planetary / multi-disc

Direction-free fine sand. Bona FlexiSand and equivalent multi-heads flatten the belt and edger scratches before finish.

4 Buffer / screener

Between coats and for a screen-and-recoat. A rotary that cuts the sheen without opening the wood.

5 HEPA collector

H-class extraction at the tool. Bona DCS 70 class machines hold 99.996% at 0.3 µm on paper. Zip-wall at the opening is the other half.

6 Moisture meter

The first tool on site. Pin and pinless. Tramex / Wagner class meters. No reading, no start.



Belt sander — the field cutter · Läglert Hummel class



Sealed collector on the machine · HEPA at the shoe



Perimeter work · edger, then hand-blend

WHO BUILDS THE MACHINES THIS TRADE ACTUALLY BUYS

Läglert (Germany)

Hummel belt, Flip / Elan edger, Trio planetary. The green machines on most serious North American refinish trucks.

Bona (Sweden)

FlexiSand, DCS 25/50/70 collectors, waterborne finish systems. Dust class H on the DCS 70 paper spec.

American Sanders / Clarke

Super 7 edger and drum lineage still common on rental and crew trucks across Ontario and WNY.

Primatech / Powernail

Pneumatic and manual flooring nailers for solid and thick engineered. The sound of a nail-down job.

Tramex / Wagner

Moisture meters that decide whether the job starts. A reading on the subfloor and on the board.

Festool & trade saws

Track and miter saws, jamb saws, routers for undercuts and inlays. Pattern work lives here.



THE SEQUENCE THE CRAFT ACTUALLY RUNS

0 Measure

Moisture in the slab or plywood. Moisture in the boards. Flatness. If the numbers are wrong, the machines stay on the truck.

1 Contain

Zip-wall at the opening. Furniture bagged, not always removed. Hose from shoe to sealed collector before the first pass.

2 Cut

Belt on the field. Coarse grit only as coarse as the finish and the cupping require. No hero grits.

3 Edge

Edger on the perimeter. Blend so the room is one plane. Swirl and halo are sanded out, not coated over.

4 Fine

Planetary or multi-disc. The scratches from 2 and 3 have to disappear before stain or sealer.

5 Coat

Named finish system. Screen between coats with the buffer. Recoat windows are chemistry, not convenience.

6 Stairs

Different geometry, often different tools. A flight is quoted per tread because it is not a floor.

INSTALL IS A DIFFERENT TRUCK

Refinish machines take finish off. Install machines put a floor down. Ecowoods runs both because a house often needs both on the same week — a stair, a landing, a new room off an old field.

Pneumatic flooring nailer

Solid and thick engineered, nailed into plywood. Cleat or staple as the product requires.

Glue-down kit

Trowel, specified adhesive, roller. The condo-slab method. Moisture mitigation is the product under the glue.

Table + miter + jamb saw

Rips, pattern cuts, undercuts at casings so the board slides under the trim instead of a sloppy scribe.

Router and inlay tools

Borders, medallions, species changes at a threshold. Slow work. Priced as such.

Do you use HEPA on every sand?

Yes. Containment at the tool is how the job is run. Most clients stay in the house.

Can I rent the same machines?

You can rent a drum. You cannot rent the sequence, the containment and the person who has burned a floor before.

Why name Lägler and Bona?

Because that is what the trade runs. Ecowoods specifies machine types in The Craft. Brands are the market’s shorthand, not a sponsorship.

Is dust-free a marketing word?

If the hose is off, yes. If the collector is H-class and the opening is sealed, no. Ask to see the collector on site.



ECOWOODS

HARDWOOD FLOORING INC.

A floor is changed by a sequence, not by a brand sticker on a sander. Ask what is connected to the hose.

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