

What a resurfacers blade costs you over two years.

The Blue Blade against a standard blade, per resurfacing machine, in our two-year cost model. Purchase and sharpening are both counted. Every figure here is the model's, and every assumption behind it is on page two.

The bottom line

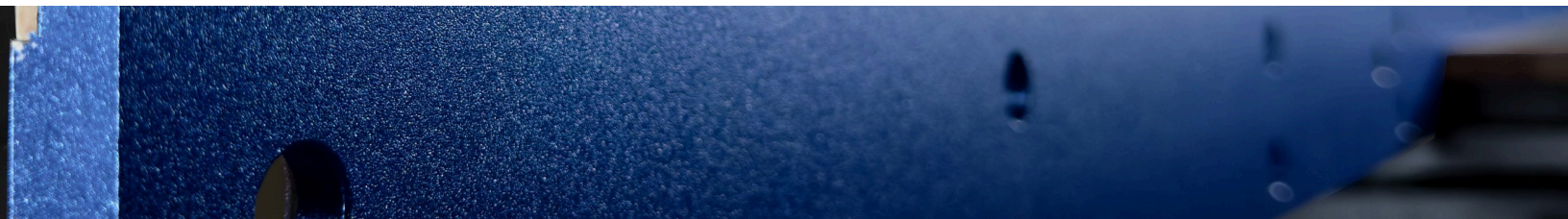
Two scenarios, set by how long one sharpened edge lasts. Both are what Blue Blade customers report, and the difference between them is how hard the rink is on an edge. A local sharpening house collects and returns the blades, so freight is zero in both.

TWO-YEAR RUNNING COST, PER MACHINE

EDGE LIFE	BLUE BLADE, 2 YR	STANDARD, 2 YR	YOU SAVE	
50 h per edge	\$3,295	\$11,046	\$7,751	70%
80 h per edge	\$2,345	\$7,146	\$4,801	67%

\$4,801 to \$7,751 per machine, over two years

On local sharpening alone, before weight, downtime, spare blades or freight. A rink that ships its blades out saves more; that case is on page three.



One number drives all of it

Sharpening frequency, not purchase price, is what separates the two columns. Cost per cutting hour folds purchase, sharpening and lifespan into one number, which makes it the fairest way to compare two blades.

COST PER HOUR OF ICE CUT

EDGE LIFE	BLUE BLADE	STANDARD	
50 h per edge	\$1.27	\$4.25	3.3×
80 h per edge	\$0.90	\$2.75	3.1×

What the model assumes

Every input is either something customers told us, something the machine makers publish, or an assumption we are naming. None of it is a measurement of your rink.

INPUT	VALUE	WHERE IT COMES FROM
Cutting hours	About 1,300 a year, 2,600 over two years	Our model
Blue Blade edge life	50 to 80 cutting hours per sharpened edge	What two Blue Blade customers report
Standard blade edge life	A quarter of the Blue Blade's	The model's assumption, not a measurement
Sharpening	Same house, same fee for both	Our model
Blades bought	One Blue Blade, two standard	Lifespan is at least twice a standard blade's
Purchase price	Counted in every total above	Quoted on request
Freight	Zero, except in the remote-rink figure	Example rates, page three

The four-to-one ratio is an input, not a finding

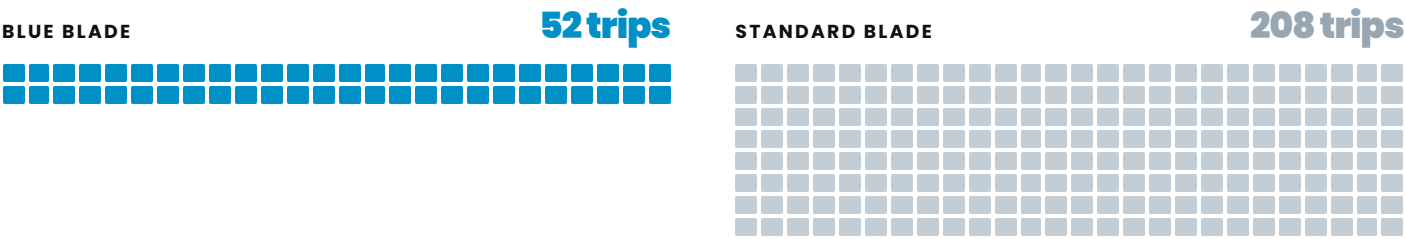
The standard blade's edge life in this model is the Blue Blade's divided by four. It is an assumption, not a finding, and the whole model turns on it. What customers report is six to eight weeks between sharpenings, against the roughly weekly interval the machine makers give in their own manuals. Set against that, the Blue Blade goes at least three to four times longer, and the model's two-week cadence at 50 hours per edge is shorter than what rinks tell us they get. Page one is conservative for that reason.

50 CUTTING HOURS PER EDGE	BLUE BLADE	STANDARD	80 CUTTING HOURS PER EDGE	BLUE BLADE	STANDARD
Sharpenings over two years	52	208	Sharpenings over two years	33	130
Blades bought over two years	1	2	Blades bought over two years	1	2
Two-year total	\$3,295	\$11,046	Two-year total	\$2,345	\$7,146
Cost per cutting hour	\$1.27	\$4.25	Cost per cutting hour	\$0.90	\$2.75
You save	\$7,751 (70%)		You save	\$4,801 (67%)	

Sharpening counts round up to a whole session, and cost per cutting hour is the two-year total divided by 2,600 hours.

The trips behind the money

Each mark is one trip to the sharpening house over two years, at 50 cutting hours per edge. Every trip is a blade change and a handoff.



156 fewer trips

over two years, in the model, at 50 cutting hours per edge.

More than one machine

Savings are per machine, so they scale straight down the line.

MACHINES	50 H PER EDGE	80 H PER EDGE
1	\$7,751	\$4,801
2	\$15,502	\$9,602
4	\$31,004	\$19,204

Rinks that ship their blades out

Most rinks use a local house, so the figures on page one already apply. If a carrier moves your blades, freight becomes a recurring cost and it lands on the standard blade hardest, because it ships four times as often in the model at more than twice the weight. With example round-trip rates of \$75 for the Blue Blade and \$100 for a standard blade, the two-year saving at 50 cutting hours per edge is **\$24,651**. Your own freight quotes will move that figure, which is why it is an example and not a promise.

Figures run on the 77-inch size. The 84-inch lands within about \$30 of them, because sharpening and not purchase drives the cost.

What the money model leaves out

The comparison above is deliberately narrow. Four things favour the Blue Blade that no spreadsheet captures.

Weight

23 lb at 77 inches and 25 lb at 84, against a typical 55 to 65 lb standard blade. That is less than half the lift on a part your crew handles by hand at every blade change, and the blade body is threaded for lifting handles. How many people a change takes, and what equipment it needs, is still set by your machine manual and your own procedure.

Spares and downtime

A blade at the sharpener is a blade nobody can use. Fewer trips means a spare spends more of the season on the rack, and fewer handoffs to arrange.

Rust

Carbon steel rusts between uses, and rust is what quietly eats the edge life you paid for. A stainless edge resists it, so less of that edge life is lost. Resistant is not immune, and we do not claim otherwise.

Ice and machine load

A sharper, truer edge cuts smoother ice with less drag on the resurfacer. Smoother ice is what your skaters feel.

How we built this, and what we know

The choices in this model understate the Blue Blade rather than inflate it. Freight is zero in the main figures, matching the rink with a local house. The two edge lives are two real customer reports, not a logged trial and not a guarantee; rinks report longer intervals than the model assumes. The standard blade's interval is what the machine makers publish in their own manuals. Standard blade pricing is market-verified, 2026. Your water, your ice and your own sharpening practice will move every number here.

The workings, with prices filled in

Purchase prices sit inside every total on page one but are not printed, because they are quoted with volume in mind. Ask and we will send the same tables with your prices in them.

Put one on your ice.

Tell us your machine and we will confirm the size and the fit. Pricing and volume tiers on request, card or invoice. Ask us about running one on your own ice first.

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