RETICLE RED TUTORIAL

EZCAD Test Card Export

A DXF plus a per-pen CSV for fiber and MOPA lasers on EZCAD. Free.

Recorded on the live site · sweep · export · import

reticle-red.com/ezcad-test-card-export

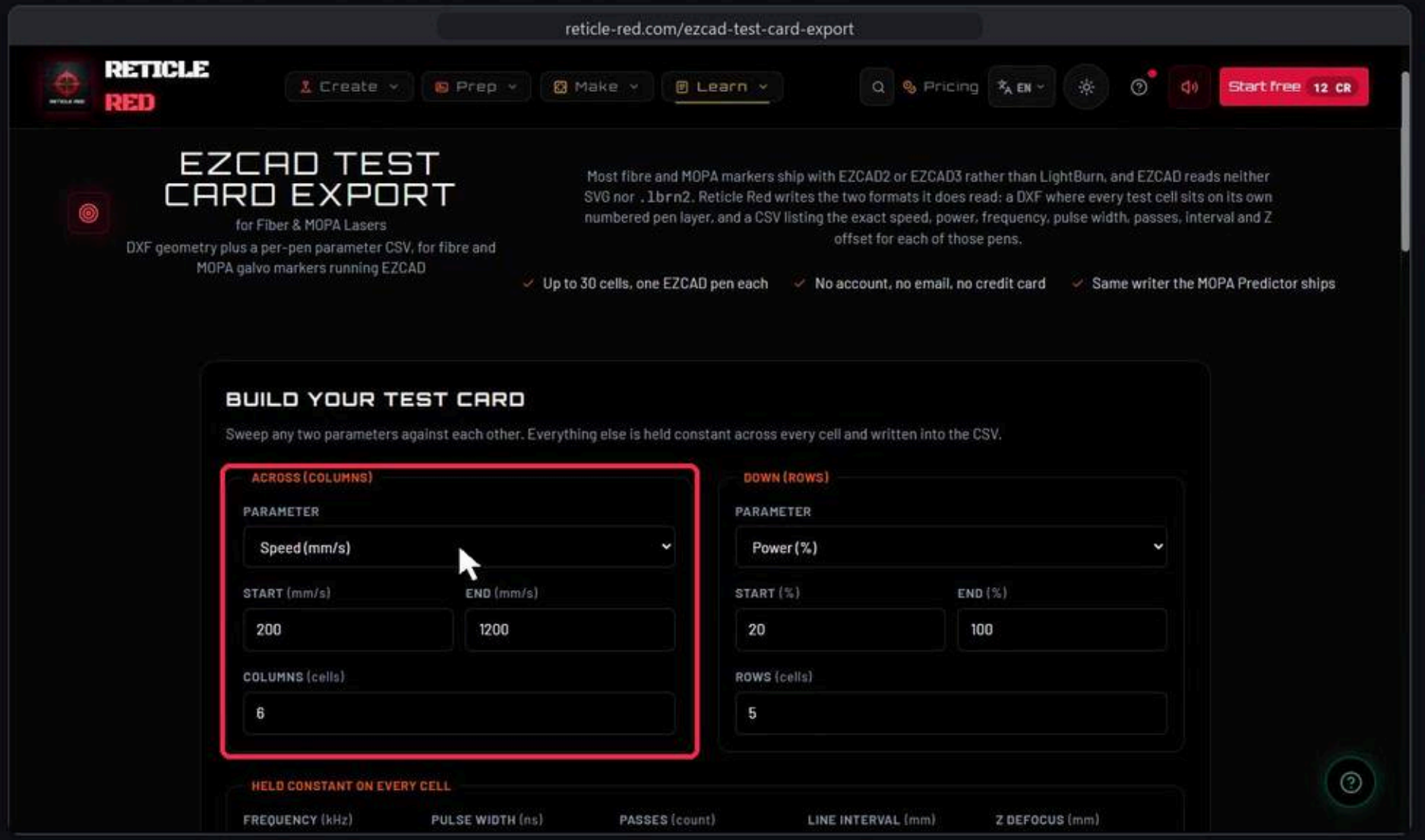
PART 1 OF 1

A speed and power card

Sweep two parameters, export, and key the pens

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A speed and power card — Sweep two parameters, export, and key the pens



STEP 1 OF 9

Across (columns)

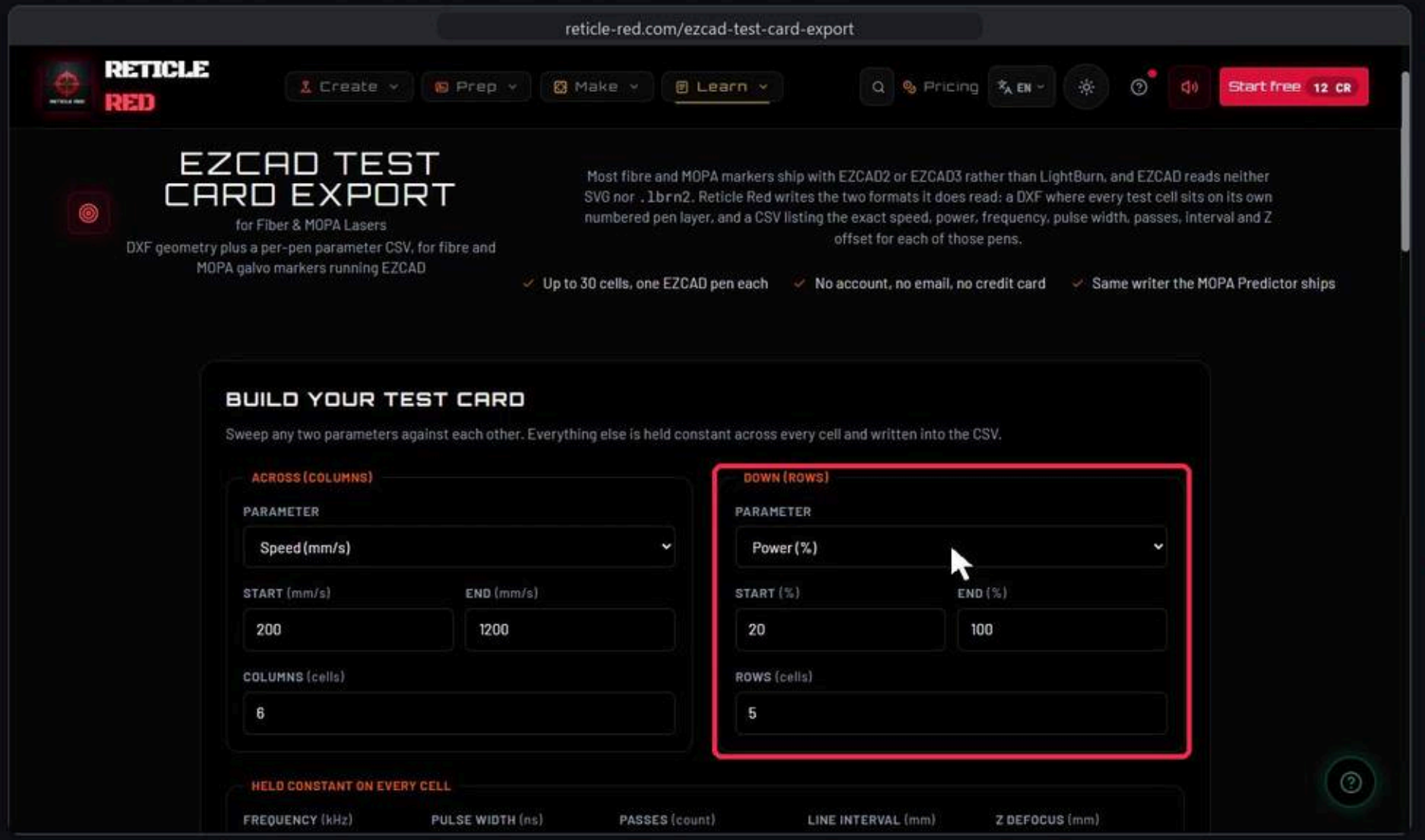
Default: speed 200 → 1200 mm/s over 6 columns.

CLOSE-UP



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STEP 2 OF 9

Down (rows)

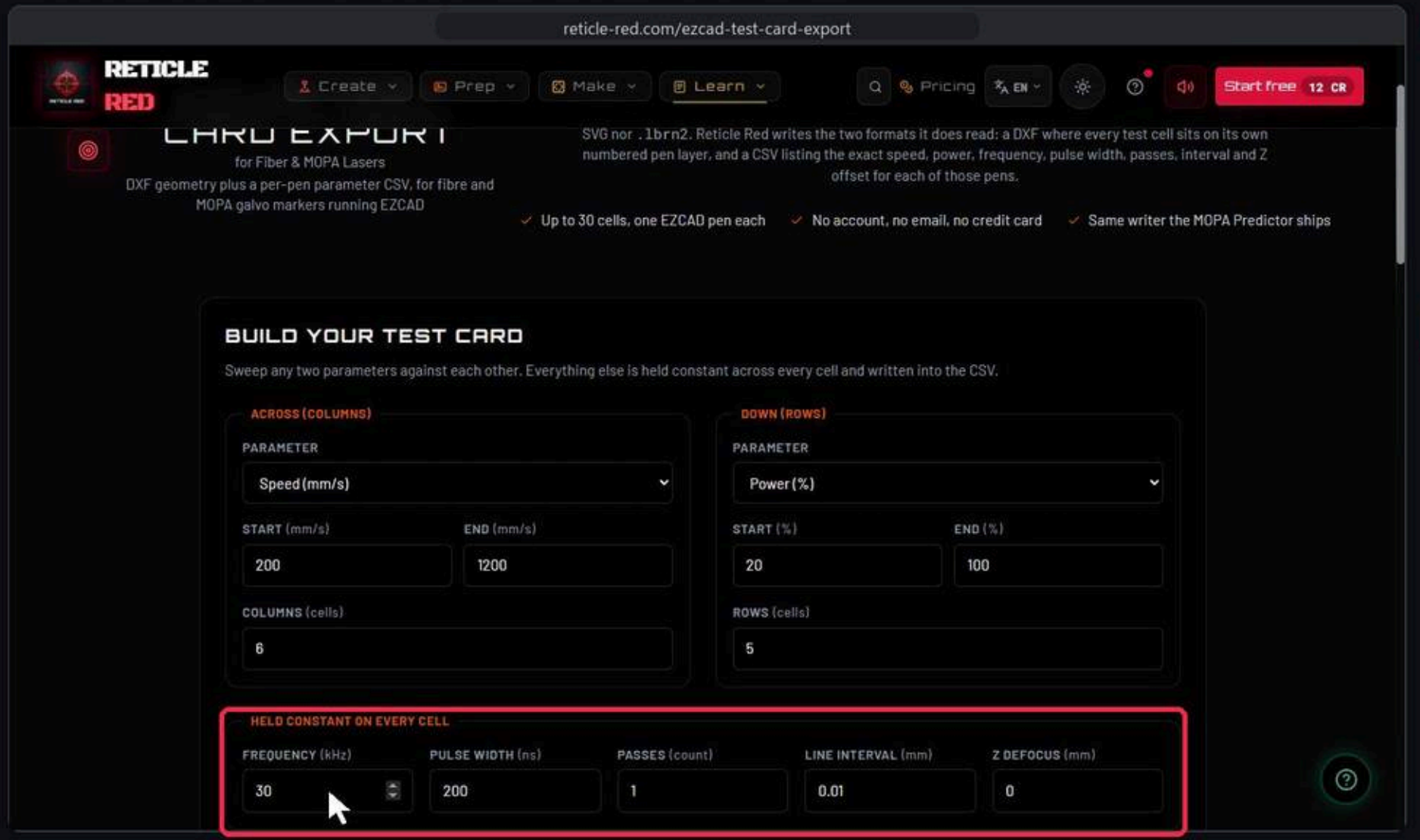
Default: power 20 → 100 % over 5 rows.

Any two parameters, up to 30 cells.

CLOSE-UP



A speed and power card — Sweep two parameters, export, and key the pens



STEP 3 OF 9

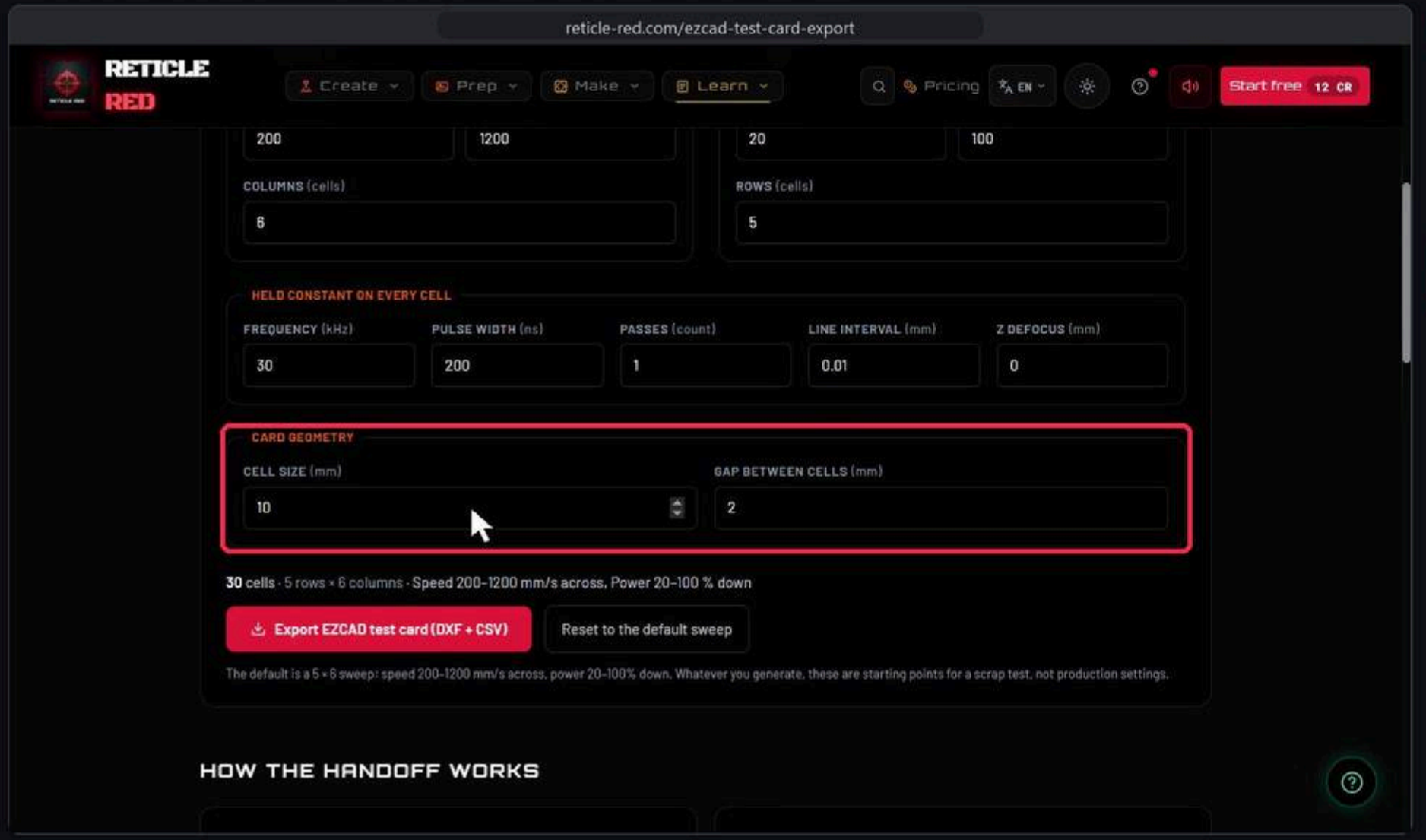
Held constant on every cell

Frequency, pulse width, passes, line interval and Z defocus.

CLOSE-UP



A speed and power card — Sweep two parameters, export, and key the pens



STEP 4 OF 9

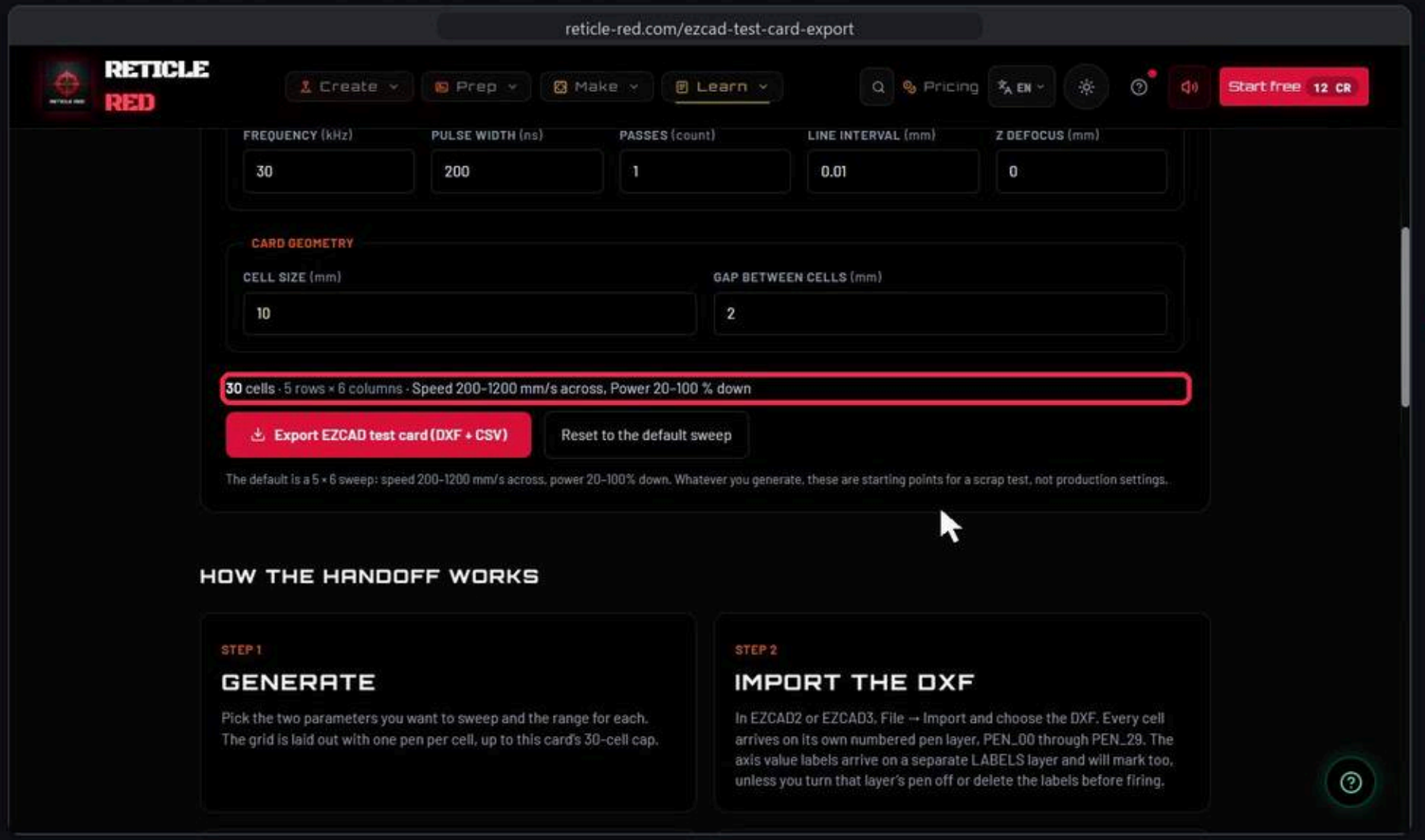
Card geometry

Cell size and the gap between cells, in mm.

CLOSE-UP



A speed and power card — Sweep two parameters, export, and key the pens



STEP 5 OF 9

Read it back

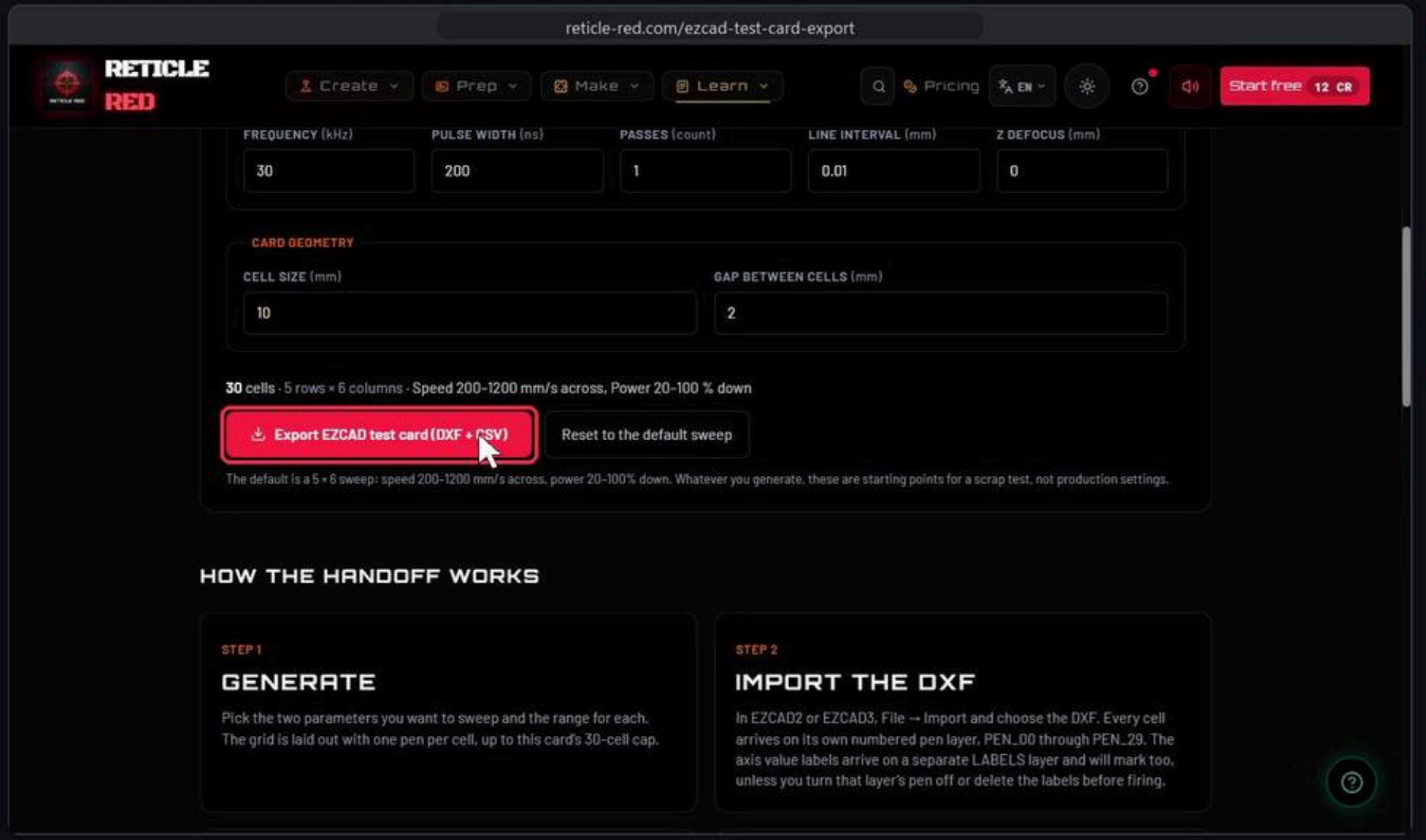
30 cells · 5 rows × 6 columns.

Reset to the default sweep puts it all back.

CLOSE-UP



A speed and power card — Sweep two parameters, export, and key the pens

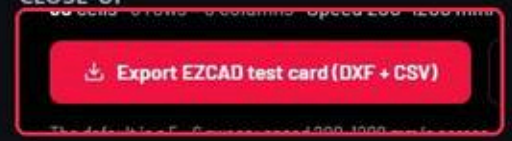


STEP 6 OF 9

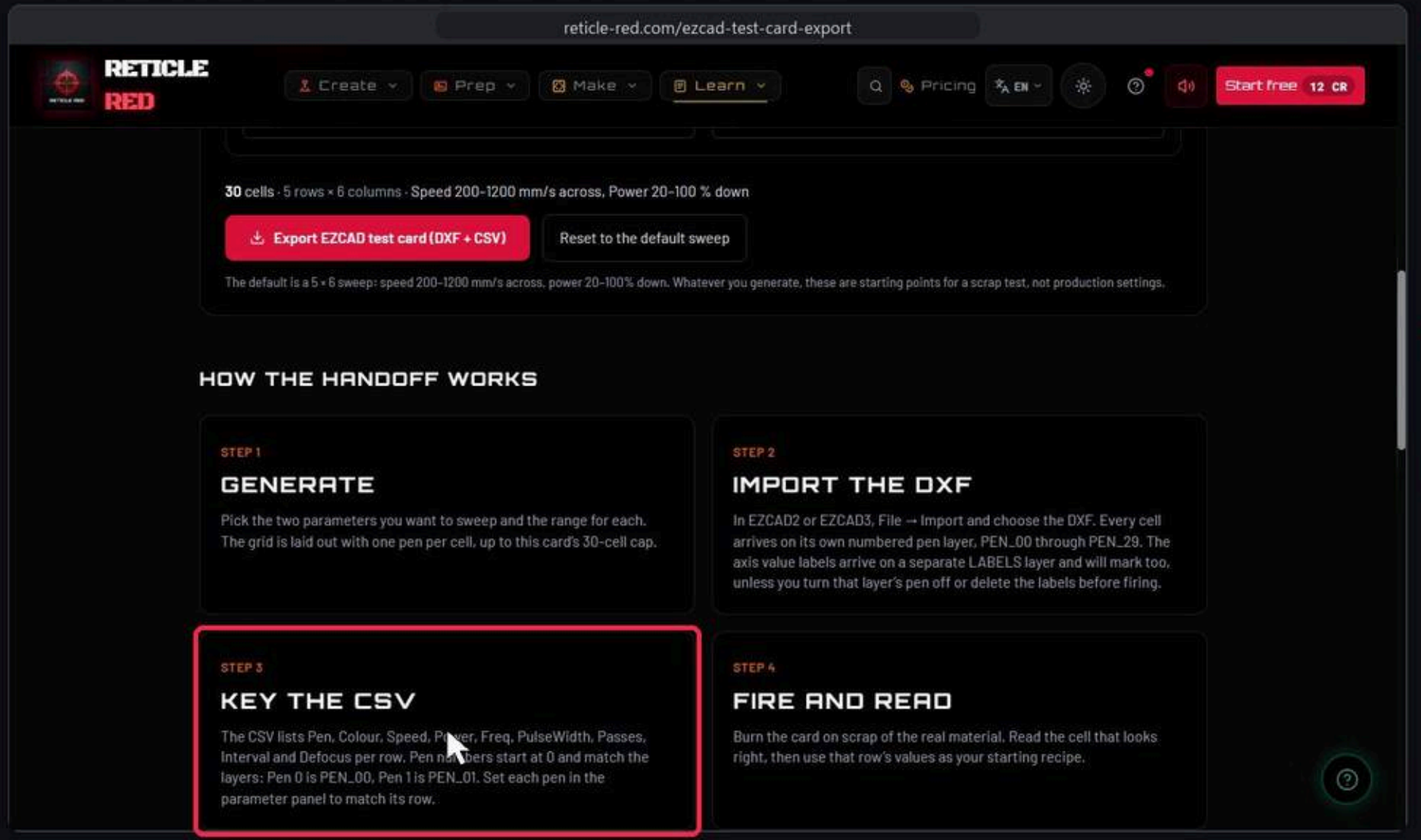
Export EZCAD test card

Two downloads: a DXF and a CSV.

CLOSE-UP



A speed and power card — Sweep two parameters, export, and key the pens



STEP 7 OF 9

Inside the files

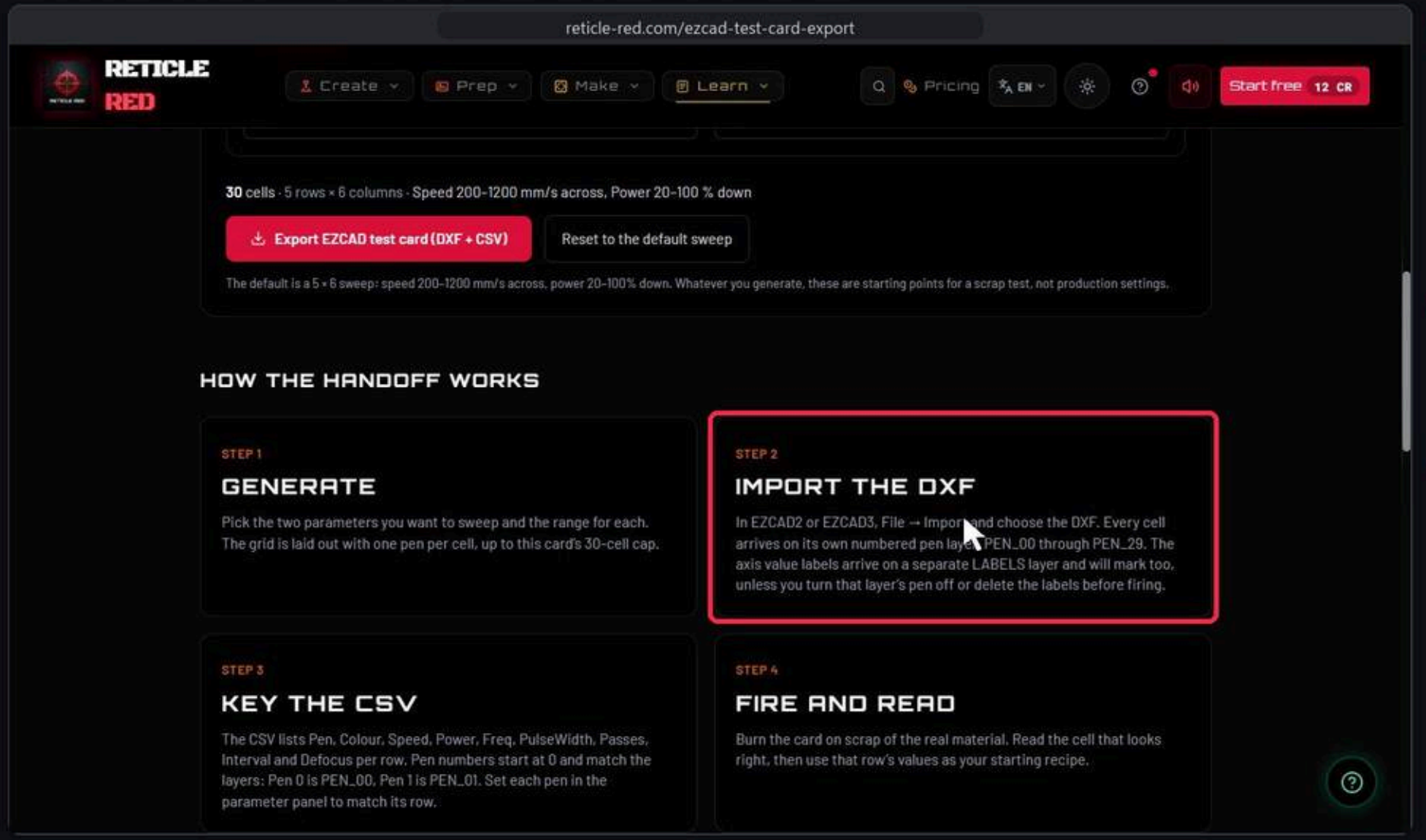
DXF: one pen layer per cell, PEN_00 to PEN_29.

CSV: each pen's settings; pens start at 0, like the layers.

CLOSE-UP



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STEP 8 OF 9

The LABELS layer

The axis labels mark too,

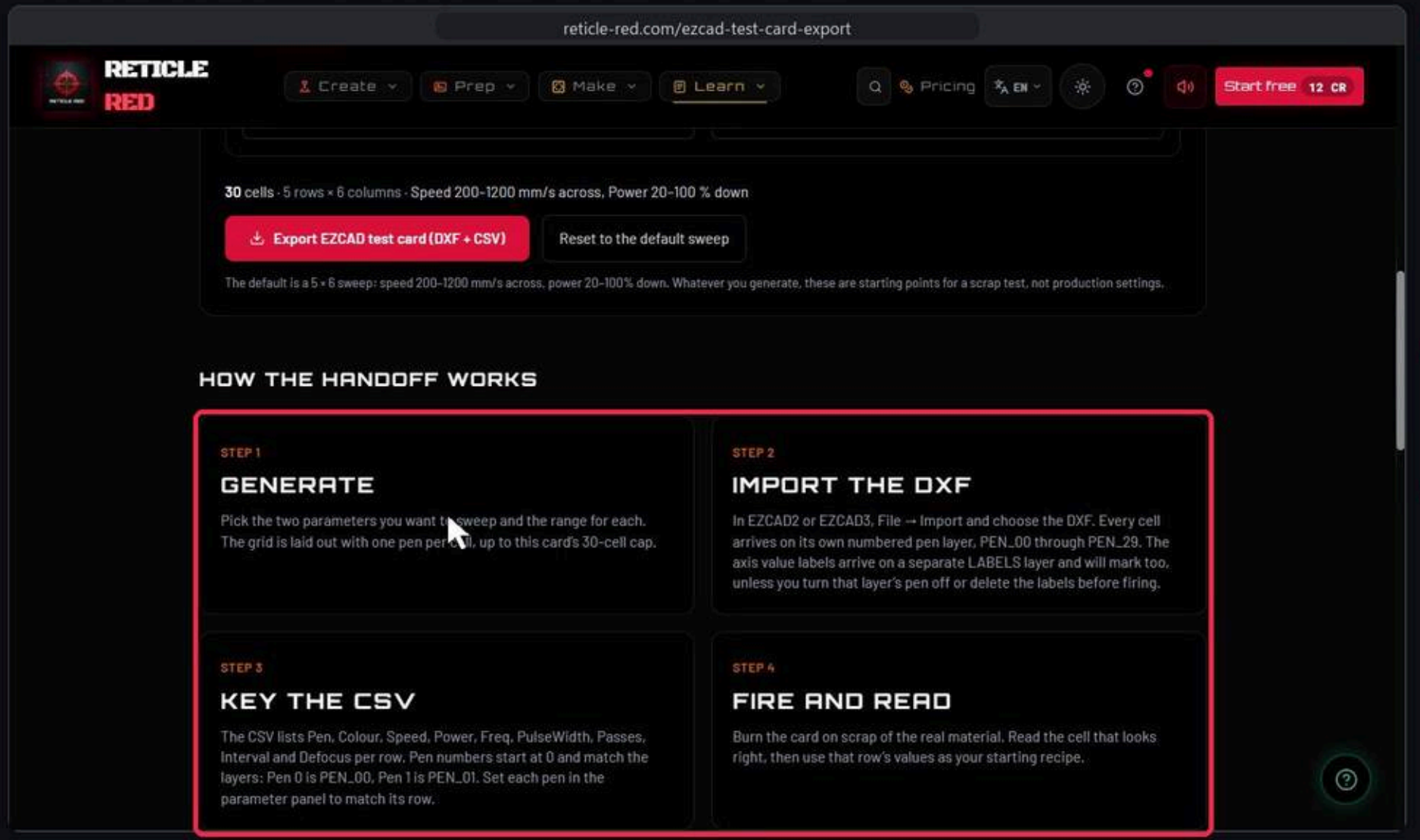
unless you turn that pen off or delete them.

CLOSE-UP



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STEP 9 OF 9

How the handoff works

Import the DXF, key each CSV row into its pen,

burn on scrap, read the best cell.

CLOSE-UP



Your EZCAD card, ready to fire

Learn → EZCAD Test Card Export

Free in your browser, no account needed.

More tutorials: reticle-red.com/tutorials

Narration: AI voice (ElevenLabs). Screens: the real reticle-red.com.