

2.4.2 Does your machine display Forward Thumb Pitch Positive? (YES / NO)

Does your machine display Forward Thumb Pitch Positive? (YES / NO)

2.4.2 calibration

Just as drill presses vary in how they represent lateral (right/left) pitch direction, they also differ in how they display **forward and reverse thumb pitch**. This setting tells Spectre Cloud whether your machine treats forward thumb pitch as a positive or negative value, ensuring that pitch figures on spec sheets match your press readout without any manual sign correction at the drill head.

☐ Why Forward Thumb Pitch Sign Convention Matters

Forward pitch tilts the thumb hole opening toward the fingers — it is one of the most commonly applied pitch adjustments in pro shop fitting. If Spectre Cloud and your press disagree on whether forward pitch is positive or negative, every thumb pitch value on every spec sheet will need to be

mentally inverted before drilling. This setting eliminates that friction.

- When set correctly, forward and reverse thumb pitch values display exactly as your press expects — no sign conversion required.
- Reduces risk of drilling the wrong pitch direction, particularly for less experienced staff.
- Works in tandem with the right pitch sign setting (2.4.1) to give a fully consistent pitch sign convention across both axes.
- If set incorrectly, forward pitch will display as a negative value (or vice versa) — the first sign of a problem is drilled pitch that is consistently the mirror of the spec.

Note: This setting adjusts how forward/reverse thumb pitch is *displayed* throughout Spectre Cloud. The physical pitch value recorded during a bowler fitting is preserved — only the sign used to represent it on screen changes to match your machine's convention.

How the Setting Affects Displayed Pitch Values

Physical Pitch Direction	Forward as Positive: Yes	Forward as Positive: No
Forward pitch	+1/4"	-1/4"
Reverse pitch	-1/4"	+1/4"
Zero pitch	0	0

Note: As with the right pitch setting, a value of is unaffected — zero pitch is zero pitch regardless of sign convention.

Configuring Forward Thumb Pitch Sign Convention

1. Navigate to **Settings** from the top menu.
2. Locate the relevant settings section. [△ Verify with your Spectre team: confirm the exact section name, consistent with the navigation path confirmed for 2.4.1.](#)
3. Find the **Forward Thumb Pitch as Positive** option.
4. Select **Yes** if your press displays forward thumb pitch as a positive number, or **No** if your press displays it as a negative number. [△ Verify with your Spectre team: confirm whether this is a Y/N toggle, a Yes/No dropdown, or a checkbox — consistent with 2.4.1.](#)

5. The change takes effect immediately across all thumb pitch displays in Spectre Cloud. [△](#)
Verify with your Spectre team: confirm auto-save behavior, consistent with other settings in this chapter.

How to Determine Your Machine's Convention

If you are unsure how your press represents forward thumb pitch, consult your press manual or run a known-pitch test before drilling a bowler's ball:

1. Set up a scrap ball or plug on the press.
2. Dial in a small, known forward pitch value on the machine.
3. Check the sign your press displays for that value.
4. If the press shows a **positive** number — set this option to **Yes**.
5. If the press shows a **negative** number — set this option to **No**.

Tip: If you have already confirmed your press convention for right pitch (2.4.1), check whether the same sign logic applies to your forward/reverse axis — many presses use a consistent coordinate system across all axes, meaning both settings will be the same. However, do not assume this without verifying.

2.4.1 and 2.4.2 Together — Full Pitch Sign Configuration

Settings 2.4.1 and 2.4.2 work as a pair to fully define the pitch sign convention for your machine across both axes:

Setting	Axis Covered	Values Affected
2.4.1 — Right pitch as positive	Lateral (left/right)	Right and left pitch on all spec sheets
2.4.2 — Forward thumb pitch as positive	Forward/reverse	Forward and reverse thumb pitch on all spec sheets

Configure both settings together when setting up Spectre Cloud for the first time, or whenever a new drill press is introduced to the shop. Once both are confirmed against your machine, pitch values throughout the app will be immediately usable at the press without translation.

☐ Multi-Press and Multi-Location Shops

As raised in 2.4.1, different machines may use different sign conventions. The same considerations apply here — if this question is resolved for 2.4.1, apply the same answer to 2.4.2. [△ Verify with your Spectre team: confirm whether this setting can be configured independently per device or location, or whether it applies account-wide.](#)

- ☐ Single-press shops: configure both 2.4.1 and 2.4.2 once during initial setup.
- ☐ Multi-press shops: verify both axes on each machine before drilling.
- ☐ Multi-location chains: treat this as part of the new-location onboarding checklist alongside 2.4.1.

Scope of This Setting

This setting is stored at the account level and syncs across all devices, consistent with 2.4.1 and other settings in this chapter. [△ Verify with your Spectre team: confirm per-user vs. per-account/shop scope and whether per-device overrides are possible.](#)

Related Sections

- 2.4.1 — Does your machine display right pitch as positive? Y/N
- 2.4.3 — Next setting in this chapter (*if applicable*)
- 2.3.6 — Configuring your milling machine orientation: flipping H/V for oval cuts
- 4.x — Spec Sheet: entering and reviewing pitch values
- 5.x — Oval Calculator: pitch interaction with oval cuts

Tip: Make 2.4.1 and 2.4.2 part of your new-staff onboarding checklist. A driller who understands the shop's pitch sign convention — and knows where to find these settings — will produce consistent results from day one rather than discovering a sign mismatch after a ball has already been drilled.

...

Revision #2

Created 11 May 2026 16:02:37 by Admin

Updated 26 May 2026 18:06:53 by Art