Flush Sash Compatibility additions

How to set up a Stuga Flowline / ZX machine for Flush Sash modification

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Problem

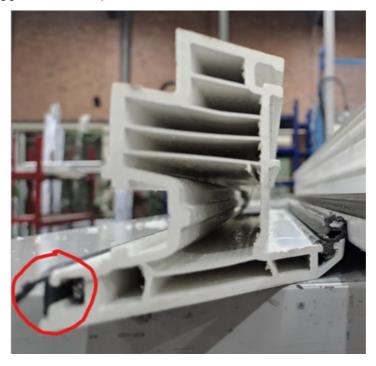
Solution

Comments

Problem

When this profile was implemented originally in 2020

• The profile has an overhanging gasket that is complicated and had never been dealt with before



- It compresses in the clamps, so is narrower in the clamps but wider when cut, meaning the machine cuts to the plastic size, not the gasket size (which is important)
- A work around for this was structured which involved foxing the machine into thinking the profile included the gasket so it cut it longer.
- This meant adding a fiddle factor into the link file to reduce the cut length size



...This solution does not work reliably

- The profile was being cut in "Centralise" mode, which means any deviation in physical profile width will have a 2x error in the cut length
- The deviation comes from how much the gasket compresses.
- The difference in compression changes between white and black profile.
- I think it is safe to consider that this may also change between profile batches and outside temperature.
- If the machine is set up CORRECTLY, (correct width, not in centralise mode) then the plastic size is correct, but you get a back cut on the gasket.

The backcut happens because the saw blade position is calculated to waste as little profile as possible. Therefore a better work around is to increase the gap between the pieces, wasting a little more, but leaving the gasket in mid air.

Solution

An additional profile parameter "extraGap" has been added to profile extra parameters, available on the profile settings screen. This is implemented from front end version 6.6.3.0.

Potential Pitfalls

