


Accuracy Checklist For Operators - Basic

Basic Checks that an operator can carry out as a first level identification of accuracy issues

Contents

Comments

External Factors

Check	Description	Symptoms	What to do
Temperature Changes	Is it winter and the profile stored outside and loaded directly on the machine? Has pr	Position of operations on pieces. Seemingly random but will be worse on first pieces off the saw.	A bar of plastic will expand by 12mm in length with a 10 degree change in temperature. Try your machine with profile that has been indoors and is the same temperature as the machine environment
Profile Width	Check the profile width with a Vernier gauge - is it the width it is supposed to be? See Z Transom Width Measurement for measuring Z Transom Width	V and Y notch Depth Arrow Head Position	Adjust the profile width in the settings - this will adjust the depth of V and Y notches to match the profile width  ...be sure to reset it once the problem profile is used up
Profile Symmetry	T and Z profiles are not extruded symmetrically	Arrow Head Position poor on one profile but not on others	Check symmetry of profile carefully . See TM016 Arrow Head Adjustment on Saw for further details Reject the profile if it is not symmetrical
Profile Quality	Profile is Bowed or Twisted preventing it from locating squarely in the clamps	Cut length accuracy End Cut squareness top to bottom V Notch Squareness	Reject the profile The principle of rubbish in=rubbish out applies to all machinery

For advanced checks please click here