## Common Issue - Datum Holes in Wrong position

Common root causes that may lead to a varying result when running a datum test

## **Contents**

Comments

See winMulti - Running a Datum test for instructions on how to produce the datum holes



...If the datum holes vary after running multiple tests, the issue cannot be resolved by changing parameters.

## Datum holes in wrong position - Root Causes

t Cu Th me Or on en:	the R axis pinion to main ring gear is worn and giving backlash utter is wobbling in the spindle collet the end of the profile is not square and therefore tricky to measure. In machines with a laser on the saw, this is not a problem on machines without a laser, the "Trimstart" option should be mabled to trim the bar end square utter is wobbling in the spindle collet	Mesh the gears Replace R axis pinion assembly  Fit correctly  If laser is not fitted, ensure trimstart is on
d not Or on en	he end of the profile is not square and therefore tricky to leasure. In machines with a laser on the saw, this is not a problem in machines without a laser, the "Trimstart" option should be nabled to trim the bar end square	If laser is not fitted, ensure trimstart is on
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	utter is workling in the spindle collet	
	utter is wobbining in the spinute conet	Fit correctly
ot set up Gr	ripper mechanics are worn or incorrectly set up	Ensure gripper setup is correct See Gripper Mechanical Setup
nsor in sition		Move the datum sensor by 2mm in either direction.
Th pu So	the position of the sensor may be on the borderline of this zero ulse cometimes the datum jumps to the next zero pulse, hence the atum jumps by one turn of the motor - equating to around 35mm.  Often caused after an X axis motor is removed and	Rotate the motor on the gearbox by 90 degrees
	d d T T p So pulse d	The datum system has a "zero pulse" on every motor turn. The position of the sensor may be on the borderline of this zero pulse Sometimes the datum jumps to the next zero pulse, hence the datum jumps by one turn of the motor - equating to around 35mm osition