

**Teknatool International Limited**

7D Dallan Place, Rosedale, Auckland, New Zealand

Tel: +64 09 477 5600 Fax: +64 477 5601

Email: [service@teknatool.com](mailto:service@teknatool.com)Website: [www.teknatool.com](http://www.teknatool.com)

## Frequently Asked Questions

### Rotor Position Test on the Galaxi DVR 1644 lathe

Date Raised: 11 January 2017

Safe practices should always be employed to ensure the Health and Safety of yourself, employees and customers (if applicable) Refer to product manuals, exploded drawings and our website if further assistance is required, or contact us on [service@teknatool.com](mailto:service@teknatool.com)

Date Amended

To run the position testing function on the Galaxi DVR 1644 lathe:

Step No.	Description	Image
1.	<p>Turn the Galaxi DVR 1644 lathe on and enter <b>service mode</b></p> <p>To enter service mode, refer to FAQ: <a href="#">How to enter Service Mode on Galaxi DVR 1644 lathe</a></p>	
2.	<p>Press &lt;Menu&gt; and navigate the cursor down to "Service" by rotating the dial.</p> <p>Press the dial to enter.</p> <p>Then enter the option of "Sensor Alignment"</p>	
3.	<p>When entered in the "Sensor Alignment" option each parameter value can be selected by either pressing the dial or &lt;F/R&gt; key. A letter "E" would appear on the right when the parameter is selected.</p> <p>Values of the selected parameter can be changed by rotating the dial</p> <p><b>Tip:</b> To change the values quickly, press and turn the dial.</p> <p>Set the parameter values to the following:  <b>PulseWidth = 50%</b>  <b>CurrentLim = 40%</b></p> <p><b>Note:</b> There should be a humming sound from the motor if it is working properly.</p>	<div> <p><b>Selecting parameter to change.</b> (Arrow on the left)</p> </div> <div> <p><b>Changing the parameter value</b> (Letter "E" on the right)</p> </div>

4.

Select the parameter “Ph Energized”

This parameter value will appear as one letter out of [A,B,C]. This letter can be changed by turning the dial.

The parameter “RPS cond.” gives the indication if the motor is in the correct position.

Output of “RPS cond.” should be corresponding to the “Ph Energized” shown by the table below.

Correct Output	
Ph Energized	RPS cond.
A	B or AB.
B	C or .BC
C	A or A.C

**Note:**

Turn the spindle anticlockwise by hand to see if the “RPS cond.” would change correctly.



**Press <OFF> and then turn off the machine to clear all interim settings**