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### Frequently Asked Questions

Date Raised: 09 Jun 2021  
Date Amended:

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)

## Assisted Powered Spindle Hold Function for NOVA Voyager and Viking Drill Press

Due to the direct drive design of the NOVA DVR drill presses, there is very little resistance force compared to a traditional belt and pulley drill press. This is a great advantage as there is a higher efficiency in power transfer from the motor to the drill bit, however some users who use a keyless chuck may find it difficult to tighten the keyless chuck with one hand due to the low resistance.

The assisted powered spindle hold function was created to power the motor at a fixed position to provide some electronic resistance to allow the user to hold the drill bit in position in one hand and tighten the drill chuck with another hand.


This feature is available for all NOVA Viking drill presses and Voyager/Vulcan drill press with the latest firmware.

**NOTE: While the machine provides some resistance force, the final tightening should always be done by the user with 2 hands to ensure the drill bit is secure.**


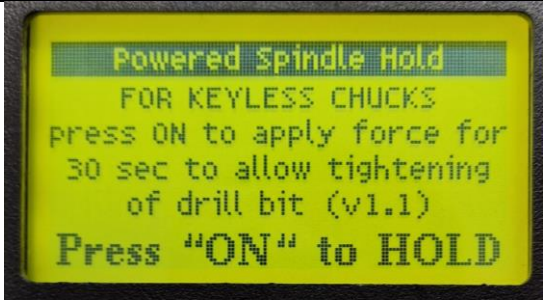
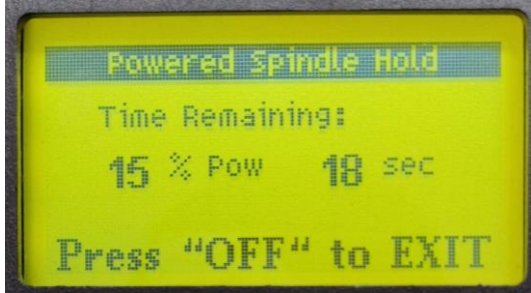
**To protect the electronics of your machine, a time limit of 30 seconds and a current limit is automatically applied to avoid burning out the components.**

### For the NOVA Viking DVR Drill Press

1	From the idle menu, press and hold the green <ON> button for 2 seconds.  The screen will display "Hold" and then automatically engage the powered spindle hold routine.	
2	The screen will display a "H" with a countdown timer for approximately 30 seconds.	

	Once the countdown has reached 0, the machine will reset back into the idle state. If the spindle hold does not disengage, please press the <b>&lt;OFF&gt;</b> button to turn off.	
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### **For the NOVA Voyager/Vulcan DVR Drill Press**

1	To activate the powered spindle hold function, from the main idle screen press the <b>&lt;Menu/Cancel&gt;</b> button and navigate to <b>Menu &gt; Advanced Function &gt; Pwr Spindle Hold</b> and press <b>&lt;Zero/Confirm&gt;</b>	
2	Press the <b>&lt;ON&gt;</b> button to activate the spindle hold function. The screen will display a countdown for approximately 30 seconds and the motor power.	 
3	After the countdown has reached 0, the HMI will reset back into the main idle screen.  Note: The Powered Spindle Hold function can be assigned to any of the F buttons by going into the <b>Menu &gt; Edit F shortcuts</b> .	