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Armstrong's VariSharp CNC band saw sharpener features a two-axis CNC system to grind virtually all band saw tooth patterns used by sawmills today.

Touchscreen control, industrial-grade Pentium computer, and brushless servo-driven ball screws replace the two-cam system previously used. With VariSharp, it's possible to sharpen saws you are using today, while you design those you will use tomorrow.

Easy to use / straight forward user interface



The screenshot shows a software interface with several sections: 'Start/Stop' with green and red buttons; 'Pulse per Minute' with a digital display of 205 and up/down arrows; 'Number of Pulses' with a digital display of 002 and up/down arrows; 'Setpoint' with a digital display of 00.0 and up/down arrows; 'Current Temp' with a digital display of 100.0 and a 'VPC-A' label; and a bottom row of buttons: 'Menu', 'Setup', 'Status', 'Diagnosis', 'Control (Control)', 'Outputs', and 'Exit'.

For years of  
Flexibility & Per-  
formance.

The screenshot shows the VPD-6 software interface. It includes buttons for 'Auto Cycle', 'Start', 'Stop', 'Run', 'Dna', and 'Arbitr'. There are also displays for 'Tooths per Minute' (205), 'Number of Teeth' (002), 'Number of Pitches' (002), and 'Current Time' (VPD-6). A progress bar is visible at the bottom.

## Rebuilding & CNC conversions

Armstrong band saw sharpeners can usually be restored to "like new" operating condition for a fraction of the price of replacing these machines.

Sharpeners that have been made since 1973 (Serial Nos. 9500 and higher) are the best candidates for rebuilding. These machines have all steel frames. Band saw sharpeners made between 1953 and 1973 (Serial Nos. between 3600 and 9500) can also usually be restored to fine operating condition.

VariSharp CNC conversions can also be made to most of the conventional #4 sharpeners.

Please contact your local Armstrong Distributor or call us directly to confirm your current sharpener is a candidate for CNC upgrades.

**Armstrong Manufacturing Co.**  
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**Portland, OR 97202 USA**

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**Fax: (800)513-2529**  
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**VariSharp(shown above) with options.**

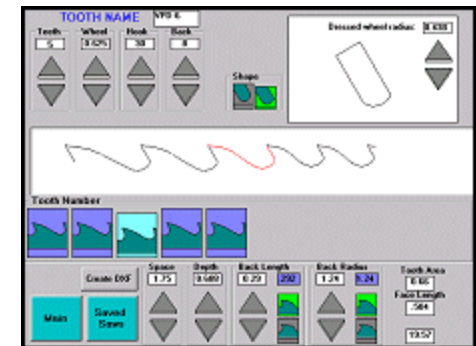
## Featuring:

- PC control/ Windows based
- Brushless servo system for long life and precision grinding control.
- Touchscreen control for easy operation and feedback about the sharpener, such as number of teeth sharpened per minute, and a picture of the tooth.
- On-board Armstrong tooth library with over 300 standard, VP, and VPD tooth patterns.
- New teeth or VPD patterns can be drawn or modified on screen and saved to the tooth library.
- DXF (Drawing Interchange File) export capability: the operator can download tooth parameters to a floppy disk that saw makers can use to produce the exact tooth pattern the operator has designed on the console.
- Larger 2 hp (1.3 kW) grinding wheel motor with grinding wheel speed control via the touchscreen.
- Constant power supply for the PC to minimize machine interruption.
- Complete control of machine speed. The operator can change the number of teeth sharpened per minute. On a freshly tipped Cobalt Chromium Alloy saw, it is possible to slowly grind the face and top of each Cobalt Chromium Alloy tip while quickly skipping over the rest of the tooth on the first grinding pass.
- Capacity to sharpen conventional constant pitch saws or repeating segments of teeth with variable pitch or depth, with up to ten teeth per segment.
- Air back feed units and StrongArm II power clamp are precisely timed via computer outputs.
- Step-by-step instructions will be available on demand through the touchscreen console to make it easy to train new operators. A detailed operator's manual covering installation and machine operation is provided.
- Accommodates toothspace of 1.250" (32 mm) to 3.00" (76mm)

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## Additional Standard Items:

The on-board Armstrong tooth library includes over 300 standard, variable pitch (VP) and variable pitch and depth (VPD) tooth patterns available on the touchscreen. Operators can view, modify, and save a single tooth, or a VP/VPD pattern with up to ten teeth in the segment. The tooth library will hold an unlimited number of tooth patterns. When ordering saws, saved patterns can be supplied from the library to the saw manufacturer for use in producing the exact tooth pattern.



Machine specifications for a VariSharp are the same as for a conventional No. 4 Armstrong band saw sharpener. All No. 4 sharpener options are available for the VariSharp. Sidewinder feed finger, StrongArm power gate, and ShapeUp grinding wheel dressing system are required.

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