



HUTCHINS
MANUFACTURING COMPANY

the PROFINISHERS®

Quality Products for All Phases of Surface Preparation

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3501 Operating Instructions

The Hutchins 3501 Nib/Spot Sander is a multi-purpose sander designed to eliminate small surface imperfections in freshly painted finishes.

The 3501 features a patented quick change pad lock system that enables the user to convert the 3501 from a small nib sander using the 1 ¼" pad into a surface polisher using the 2 ⅞" pad in seconds without the need for additional tools. The red tipped air speed control valve allows the operator to slow the tool's RPM speed for precise small area sanding control. Once the imperfection is removed, the operator may then quickly change to the larger pad, install a wool or foam bonnet, increase the tool's RPMs and polish the sanded area to a high luster using conventional compounds and glazes.

Surface Sanding

Surface sanding can be accomplished with the Hutchins 3501 with either the 1 ¼" pad or the 2 ⅞" pad depending on the size of the area to be sanded. Simply decide which pad should be used and install on the sander using the patented quick change pad lock button located underneath the tool. The aluminum button is located in the blue shroud on the tools under side. Depress this button and insure that it locks into both the inner and outer tool shaft to secure the pad spindle. You may now install the proper sanding pad.

If your goal is to remove small surface imperfections in freshly painted finishes, we recommend using a 1 ⅜" sanding disk in the grit range from 1000 – 3000 depending on the severity of the imperfection. If an aggressive grit is necessary, you should progress to finer grits prior to polishing to save time in the overall refinish process. We further recommend that the sandpaper be lubricated with either water or glaze. Keep a constant supply of lubricant on the sanding disk. Lastly, be sure to lower the tools sanding speed before sanding any surface. This can be done simply by moving the red tipped air speed control valve located underneath the sander to a position 90° from the air inlet. Simple valve adjustments can be made to find the optimum sanding speed.

Surface Polishing After Sanding

Once all surface imperfections have been removed from the freshly painted finish, using the finest available grit sandpaper, the 3501 can be used to buff and polish the finish to a high luster.

Using the patented quick change pad lock system, install the 2 ⅞" hookit pad. Select and install the appropriate 3" wool or foam bonnet. Increase the tools speed by working the red tipped air speed control valve until the RPMs increase. This will allow the 3501 to generate enough friction to remove the sand scratches created during the sanding process. Select the desired compound to be used for the buffing process. Use only a small amount of compound on the sanded area. Apply moderate pressure to the sanded area with the buffing bonnet and depress the 3501 trigger. Although the 3501 features a random-orbit pattern, enough cutting action will be generated to remove sand scratches from freshly painted finishes. Once the scratches have been removed, change to a polishing bonnet and, using a polish or glaze, polish with the 3501 to a high luster.