

Troubleshooting Guide

PROBLEM	KNOWN CAUSES	SOLUTIONS
<ul style="list-style-type: none"> • Incomplete pressing of veneer. 	<ul style="list-style-type: none"> • Incorrect pressing and/or holding time. • Incorrect pressure. • Sprue size is too narrow and/or too long. • Proper sprue angle is not followed. • Wax-up is too thin. 	<ul style="list-style-type: none"> • Verify recommended parameters, accuracy of pressing unit. Calibrate as necessary. • Increase the pressing time and/or hold time in conjunction with reducing the pressure. • Follow spruing guidelines. • Follow minimum thickness guidelines.
<ul style="list-style-type: none"> • Under-glazed, or dull, rough surface. 	<ul style="list-style-type: none"> • First glaze was under-fired. • Glaze coat applied too thin. 	<ul style="list-style-type: none"> • Follow recommended firing temperatures, ensure furnace is properly calibrated. • Increase final temperature no more than 3-5 degrees at a time. • Apply even, uniform coat of properly mixed glaze.
<ul style="list-style-type: none"> • Crack or fracture in veneer. 	<ul style="list-style-type: none"> • Excessive grinding speed and/or pressure. • Not keeping veneer wet during finishing. • Sharp line angles in preparation. • Grinding veneer while on the model. 	<ul style="list-style-type: none"> • Use light pressure and slow speeds when finishing; avoid using coarse diamonds or stones. • Keep veneer wet during grinding. • Block out any sharp line angles with die spacer if possible. • Do not finish veneer on the model.

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<ul style="list-style-type: none"> Bubbles during glaze. 	<ul style="list-style-type: none"> Entering oven too quickly before cycle began. Glaze coat applied too thick. Vacuum was pulled during glaze cycle. Veneers not properly sandblasted on surface. 	<ul style="list-style-type: none"> Use recommended procedure for drying and heating at initiation of glaze cycle. Apply even, uniform coat of properly mixed glaze. Vacuum not necessary when glazing. Properly clean surface before glazing.
<ul style="list-style-type: none"> Flashing of material after pressing. 	<ul style="list-style-type: none"> Incorrect pressing and/or holding time. Incorrect pressure. Investment protocol not followed. 	<ul style="list-style-type: none"> Verify recommended parameters, accuracy of pressing unit. Calibrate as necessary. Increase pressing time in conjunction with lowering pressure until flashing is eliminated. Follow manufacturer's recommendations regarding bench setting time, entry temperature of burnout furnace.
<ul style="list-style-type: none"> Veneer is too monochromatic. 	<ul style="list-style-type: none"> Opacous properties necessary to achieve desired shade make incisal not translucent enough. 	<ul style="list-style-type: none"> Cut back incisal of veneer and layer PrismaTik ThinPress incisal layering powders to achieve desired translucency. If cut-back is not possible, proper use of staining to replicate incisal translucency is next best option.
<ul style="list-style-type: none"> Underlying shade bleeds through. 	<ul style="list-style-type: none"> Dark stump shade. Using an incorrect shade of ingot. 	<ul style="list-style-type: none"> Confirm that the prescribed ingot shade is being used. Note: Shade changes of more than three shades may not be attainable without preparation to allow for ideal thickness of the veneer material (more than 0.8mm).