

TROUBLE SHOOTING GUIDE

Problems	Possible Causes	Solutions
General set-off.	<p>Insufficient powder used. Too fine a grade of powder.</p> <p>Too much ink carried.</p> <p>Incorrect ink/ water balance.</p> <p>Stack too high.</p>	<p>Increase amount of spray powder. Change to a larger micron size.</p> <p>Reduce ink film and use stronger ink.</p> <p>Consult ink and / or chemistry supplier.</p> <p>Use smaller stacks.</p>
Set-off on a particular area or areas	<p>Uneven spray pattern.</p> <p>Too much of a particular colour carried.</p>	<p>Check for blocked nozzles on spray bar.</p> <p>Reduce ink film.</p>
Set-off on front or Back edge of sheet	<p>Powder not being applied to the whole sheet length. Printing too close to the curl on sheet edge.</p>	<p>Reset timing cam on spray gun. Try to use a larger border.</p>
Uneven stack.	<p>Too much powder being applied.</p> <p>Too fine a grade causing the above.</p>	<p>Reduce powder applied</p> <p>Increase micron size of powder and reduce quantity.</p>
Set-off occurring using I.R. unit.	<p>Ink being softened by the heat of the I.R. unit reducing the effectiveness of the powder.</p>	<p>Check with supplier correct ink is being used. Reduce I.R. heater.</p>
Lamination. Lifting from the substrate.	<p>Excessive use of powder. Insufficient cleaning of sheets.</p> <p>Incorrect powder.</p>	<p>Reduce powder usage. Use a soluble powder and clean sheet with only damping engaged.</p> <p>Try different powder.</p>
Loss of gloss after U.V. varnishing.	<p>Excessive use of powder.</p>	<p>Reduce powder usage. Use soluble powder and clean sheet with damping engaged in line or off line.</p>
Rough finish.	<p>Too much powder being applied.</p>	<p>Reduce powder usage. Increase micron size of powder to create better separation with less powder.</p>
Powder "lying about" and soiling the press room.	<p>Over spraying with a fine powder. Poor flowing powder requiring too great a volume of air.</p> <p>Spray equipment requires adjustment.</p> <p>Excessive air turbulence at the delivery.</p>	<p>Use a larger micron powder to reduce quantity. Change to good flowing powder.</p> <p>Contact manufacturer to ensure equipment is working correctly.</p> <p>Adjust press speed to reduce or try to reposition spray bar horizontally in line to sheets.</p>