Thermal Transfer Printing Problems and Solutions





Problem	Possible Causes	Possible Solutions
Bar Growth	Print temperature too high	 Reduce Printhead energy setting
	 Print speed is too high 	Reduce print speed
Insufficient Print Contrast Signal (PSC) or Light Image	 Print temperature too low 	Reduce Printhead energy setting
	 Print speed is too high 	Reduce Print speed
	Ribbon and media incompatible	 Consult your Sales Representative for compatible ribbon/media
Streaks or "Dead Spots" in Labels	Wrinkled ribbon	 Check ribbon path; reduce printhead pressure: increase print speed;
		decrease heat setting
Pits and/or Voids,	Dirty printhead	Clean printhead with Cleaning Card
Inconsistent Image Quality	 Dots missing or worn on printhead 	Replace with new printhead
an * ≉ ∕*	Ink picking	Reduce energy setting
Poor Edge Definition	 Printing too fast 	 Slow print speed; do not rotate
	• Too much heat	 reduce printhead heat
	Ribbon and media incompatible	Consult IMP Sales Representative
Entire Image is Translucent ("Ghosting")	Reverse transfer	 Reduce printhead temperature ("heat factor"), one level at a time
		 Increase print rates, one level at a time
Excessive Noise During Printing	 Sticking between ribbon and "bleeding" label adhesives or label coatings 	 Reduce printhead temperature ("heat factor"), one level at a time Increase print and/or slew rates, one level at a time

Burn Temperature Guide



ANSI Print Quality Samples

Void
The absence of ink in a printing area where ink should appear. A void creates an area of white space
that can interfere with the first-read rate of a printed code and, depending on the size and location
of the area, may even render the code unreadable.Image
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Characterized by crisp edges and sharp corners. Easily readable and scannable.Image
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