

Improve your printer's performance

Avoid print quality faults

Optimising your printer has many benefits. What is included in a printer optimisation visit?

Optimisation details

- Clean cabinet of excess ink
- Check:
 - All plumbed fittings in cabinet
 - Operation of solenoid valves
 - Security of conduit fixings
 - Printhead for leaks
 - Visually check all wiring
 - Electrical supply
 - Air supply
 - Pump speed
 - Inspect and clean PCBs
- Print Quality Checks:
 - Ink stream alignment
 - Modulation window
 - Pressure window
 - Optimise print position, print size
- Check ink information:
 - Ink temperature
 - Room temperature
 - Ball fall time for viscosity
- Check operation of:
 - Cooling fan
 - Positive air pump
 - External alarms/beacons
 - Indicators (Ink/air)
 - i-Tech Module
 - Peltier device (if fitted)
- Review:
 - Fault log for unusual activity
 - Safety procedures

An optimisation visit can be combined with a SafeGuard Warranty. This would involve a scheduled visit to the printer every 6 months and would constitute a SafeGuard Premium agreement.

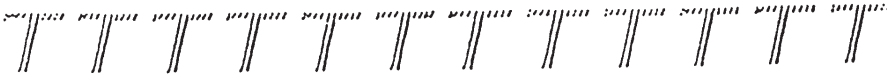


Don't let poor quality print
dissatisfy your customers

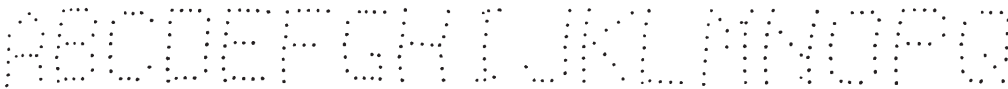
Turnover to see 7 of the most
common pitfalls resulting from
poorly optimised printers

Print quality faults

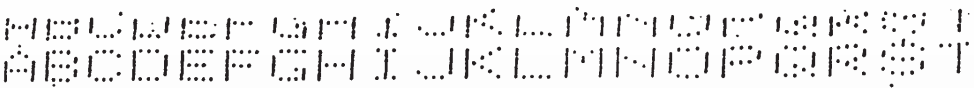
The following are examples of faulty printing. In most cases, further investigations should begin with ensuring that the print head is clean and properly aligned.



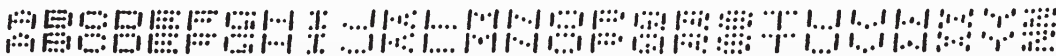
Head not mounted at 90 degrees to direction of product movement



Head too far from print surface



Pressure too low – note missing drops from some characters



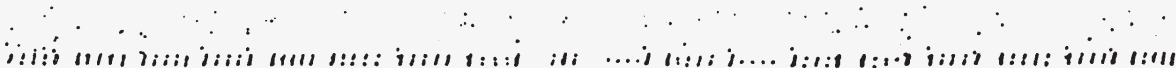
Pressure too high – note drops coalescing on some characters



Incorrect break-up – satellites can be seen in the viewer and break-up is not in correct position relative to charge electrode



Printing drops clipping edge of gutter – jet incorrectly aligned to gutter, or print height too low



Phase error – see incorrect break-up fault (above)

Interested in booking an optimisation visit from our engineering team?

Contact us on:

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