

Product Name - FT Mimaki Compatible Chip



COMPATIBILITY

The FT MIMAKI OEM series chips have been dimensionally designed to fit on all cartridge variations including both OEM and after-market currently available.

UNIVERSAL

With the FT Programmer, FT MIMAKI OEM chips can be programmed to function in all models of MIMAKI and ROLAND printers.

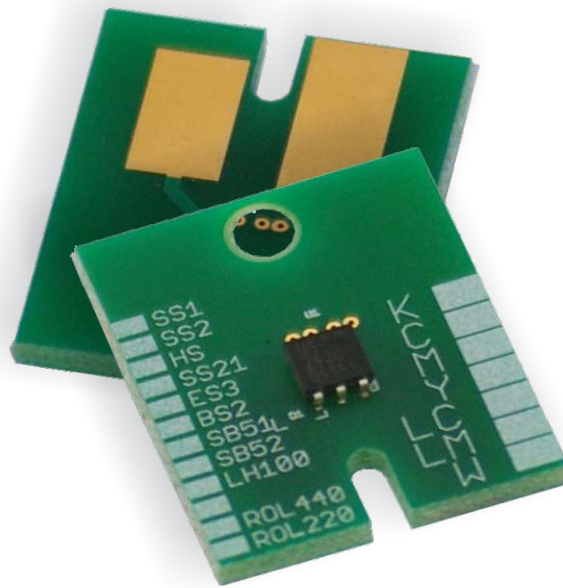
RE-PROGRAMMABLE

Once reprogrammed, FT MIMAKI OEM chips can be reprogrammed to be used over and over again (with certain limitations) into any colour, model and ink capacity.

DALLAS DS2430

The FT MIMAKI OEM chip utilizes an original DALLAS DS2430 component. This is the same device utilized by the printer manufacturers. FT MIMAKI OEM chips therefore meet all OEM printer technical specifications so the printer electronics will not be put at risk.

FT Mimaki OEM replacement chip



- OEM components used. This chip meets all printer manufacturer specification.
- Gold plating and robust substrate will ensure the chip perform in severe conditions and last longer than even the printer.
- Competitively priced without loss of quality workmanship.
- Clear and easy-to-interoparate markings allow users to easily differentiate current chip programs loaded..
- Counter sunk mounting to hide mounting screws that may damage printer probes.

EEPROM vs MCU

Mimaki has chosen the DALLAS DS2430 iButton EEPROM to manage ink cartridge consumables on Mimaki supplies. Originally these devices were not available to the public so emulators had to be developed to emulate DS2430 devices.

There were numerous problems with emulators as they required numerous components to emulate the DS2430 device. With the arrival of low pin count MCU's (Micro Control Units), emulation became easier but could not be competitively priced as MCU's are by nature more expensive than EEPROMs.

OPERATION

The MIMAKI chip is both an electronic serial number and a means of identifying an ink cartridge by its colour, model and date of expiration etc. As protection there is also 2 hash bytes in the chips memory. On programming the affiliated data the hash bytes must also be computed and programmed into the chip's memory for the printer to validate the chip successfully.

The only limitation to programming the FT MIMAKI OEM chips is that the serial number cannot be changed therefore expired chips cannot be used on the same printer again. For more information contact FT support at support@futuretechnologies.co.za.



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