

IMS

 Ink Management Systems

Bell-Mark provides a variety of Ink Management System (IMS) designs for use in a wide range of printing applications. The operation of each of these units is similar, since the basic layout of the pumping and distribution (valve) systems is the same for each of them.

The major differences are in the use and sharing of the cleaner and waste containers, and also whether the unit has provisions for doctor blade cavity storage. If you are using one of the many models of the Bell-Mark FlexPrint printers, it probably came equipped with one of the following:



IMS

Part# AA5653

This Ink Management System supplies ink and cleaner to a single printer using a single peristaltic pump and a single set of fluid diversion valves. It handles only one ink cartridge at a time, and has provisions for one cleaner supply container and one waste container.

It has no provision for storing a doctor blade cavity. The IMS is typically used with a single printer where only one color or type of ink is being applied.

IMS 2

Part# AA5912

This Ink Management System can supply one of two different color or types of ink to a single printer. It uses two separate peristaltic pumps and two different sets of fluid diversion valves but usually only one set is active during use.

This system is equipped with one cleaner supply container and one waste container, both being shared by the two fluid systems. It can be supplied with or without provisions for storage of two doctor blade cavities.

The IMS 2 is typically used with a single printer where two different color or types of ink are used alternately.



IMS 3

Part# AA5888

This Ink Management System can supply one of three different color or types of ink to a single printer. It uses three separate peristaltic pumps and three different sets of fluid diversion valves but usually only one set is active during use.

This system is equipped with one cleaner supply container and one waste container, both being shared by the three fluid systems.

It can be supplied with or without provisions for storage of three different doctor blade cavities. The IMS 3 is typically used with a single printer where three different color or types of ink are used alternately.



IMS 4

Part# AA5980

This Ink Management System, can supply one of four different color or types of ink to a single printer. This system uses four separate peristaltic pumps and four different sets of fluid diversion valves, but usually only one set is active during use.

This system is equipped with one cleaner supply container and one waste container, both being shared by the four fluid systems. It can be supplied with or without provisions for storage of four different doctor blade cavities.

The IMS 4 is typically used with a single printer where four different color or types of ink are used alternately.



IMS Dual

Part# AA5917

This Ink Management System can supply two different color or types of ink simultaneously to two separate printing sections. It uses two separate peristaltic pumps and two different sets of fluid diversion valves, both usually active at the same time. Since each section of this IMS has its own cleaner supply container and waste container, it is essentially two separate single systems mounted on the same chassis.

This unit is usually supplied with no provision for doctor blade cavity storage. The IMS Dual is typically used with a two-color printer (eg. the FlexPrint II) where two different color or types of ink are being applied at the same time.



IMS Dual Plus

Part# AA1003

This Ink Management System, like the IMS Dual, can supply two different color or types of ink simultaneously to two separate printing sections. Beyond that, it provides for supplying one of those printing sections with an alternate selection of one of two fluids.

Therefore, this system uses three separate peristaltic pumps and three different sets of fluid diversion valves. The single IMS section has its own cleaner and waste containers, and the other IMS section shares a set of cleaner and waste containers.

The IMS Dual Plus is typically used with a two-color printer where one of the colors is constant, and the other color varies.

