MJR Vision jet.ENGINE

COMPONENTS CATALOG

MJRvision

PROBLEM SOLVED

jet.engine imager MC (5018688G)

The MC imager includes three pen slots for a total print width of 1.5". Operation can be integrated into the host system. The unit has standard TCP/IP connectivity for high data rate and simplicity.

jet.engine imager MC (5018688G-MGD)

A Managed version of the imager is available.

4" Wing (5020154G)

The 4" Wing is a pre-built 8 pen print solution enabling print widths up to 4". With connectivity for Power, Ethernet, Sensor. Encoder, I/O or Stack light and Daisy chain, multiple print heads can be linked together. It is designed to be controlled by the inc.jet GUI software. Mounting via both side plates. The unit is supplied with a power supply.

8" Wing (TBD)

This is identical to the 4" Wing but with 16 pens, giving a talk print width of up to 8".

jet.engine Afterburner Kit ((5017405G)

An additional pen stall that can be connected to a jet.engine imager to expand the stitched print to 2". It can also be mounted separately to provide an additional 0.5" print away from the imager. The kit comes with a 20" connecting cable.

jet.engine MC Ink Receptacle (5017199G)

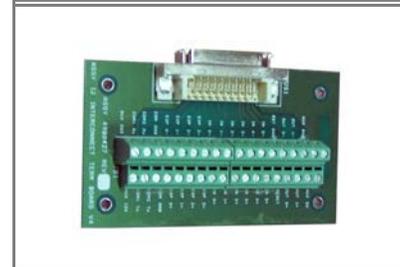Replacement ink tray for MC Imagers.

36 Pin Cable (3m) (4253299G)

Used to connect the Imager to the Interconnect board.

Interconnect Board (4980427)

The interconnect board is a terminal board that breaks out the signals on the 36 pin connector. The terminal connections allow customers to have a simpler method of accessing all the pins on the 36 pin connector including I/O, RS232, Daisy Chain, GND, PWR.

Power Supply (4971171G)

The interconnect board is a terminal board that breaks out the signals on the 36 pin connector. The terminal connections allow customers to have a simpler method of accessing all the pins on the 36 pin connector including I/O, RS232, Daisy Chain, GND, PWR.

M12 Primary Harness (4971173G)

This custom cable harness makes connecting additional electronics to an Imager. One end is a 32 pin connector which breaks out to an M12 connected cable for I/O, Sensor, Encoder, and Daisy out.

Daisy Chain Cable (4971174G)

This custom cable assembly allows multiple imagers toi be daisy chained together using the M12 connected Daisy In/Daisy Out connections

Shaft Encoder (4723017G)

The encoder is used in the print system to track the speed of the print media and to provide tracking of the product so multiple pens can be stitched to produce one seamless image. The shaft encoder is spring loaded and comes pre-terminated with a M12 connector. It can be connected to the Interconnect board by removing this connector and exposing the individual wires.

OEM Sensor (5017573)

A standard photoelectric sensor used in the printing system as a product detect sensor. It comes with a 6' cable and open wires for connection to the interconnect board.

Laser Sensor Kit (5020159G)

The Sensor Photocell Kit includes everything needed to attach a product detection sensor directly to the .UNO system.. The laser sensor work in the same fashion as the standard kit, however with great accuracy. The Sensor Kit comes with a connecting cable.

Skis

Individual HP Pen stalls can be mounted together to create continuous print heads. Ski Kits are available to mount 1, 2, 3, or 4 pen stalls together.

Standard Profile 3-pen Ski	**(5017937)**
Standard Profile with Afterburner 4-pen Ski	**(6002370)**
Low Profile 3-pen Ski	**(5017760)**
Low Profile with Afterburner 4-pen Ski	**(5017761)**

Kit OEM Component 1 Pen V7 (5019748G-MGD)

The 1 Pen kit comes with a V7 jet.engine processor board, a single HP pen stall and driver board, a ribbon cable and a power connector. This is used to develop 0.5" print solution. Requires GUI 2.4 software

Kit OEM Component 4 Pen V6 (5019186G-4Stall)

The 4 Pen kit comes with a V6 jet.engine processor board, four HP pens stalls, four HP pen driver boards, four ribbon cables and a power connector. Used to develop 2" print solution.

Kit OEM Component 4 Pen V5 (5018691G)

The 4 Pen kit comes with a V5 jet.engine processor board, four HP pen stalls, four HP pen driver boards, four ribbon cables and a power connector. Used to develop 2" print solution.

Evaluation Kit, V6 (Terminal Board PCB) (5019187G)

This terminal board is designed to be used for development. It breaks out the 50 pin header connector on the V6 board for easy wiring access in the field. It also provides LEDs for all the signals for improved troubleshooting and development.

V7 Print Controller (5019619G-MGD)

One of the most flexible arrangement of jet.engine technology is where the print engine electronics reside in a stainless steel box (controller) and 1 pens/cartridges can be driven in any configuration, as desired.

½" Top Exit (All Metal) Pen (5019945G)

This Pen Stall has the shortest vertical height available. The solid industrial design means it can be used in almost any environment and has a easily adjustable 90 degree rotational point for precise positioning It accepts easily replaceable, HP print cartridges.

V5 Satellite Control Box (5018690G)

One of the most flexible arrangement of jet.engine technology is where the print engine electronics reside in a stainless steel box (controller) and 1 to 4 pens/cartridges can be driven in any configuration, as desired. For example, 4 pen stalls can be made into two 1" printers or four 1/2" printers.

Connecting Cable :Right Angle Connector (2m) (4970412G-0200-A)
Connecting Cable: Right Angle Connector (4m) (4970412G-0400-A)

The cable length is 2 or 4 meters. Cables are also available in custom lengths by special order only. The configuration of the right angle connector is adjustable in the field to any 45 degree angle (8 unique locations), so the exit angle of the cable can be adjusted to match the installation as required.

Connecting Cable: Straight Through Connectors (2m) (4970411G-0200)
Connecting Cable: Straight Through Connector (4m) (4970411G-0400)
Used to connect pens between the Satellite Control Box and the Satellite Pen Stall. The cable length is either 2 or 4 meters. Cables are also available in custom lengths by special order only.

2" Bulk Ink Regulator (5019587G)
The 2" bulk ink regulator can connect up to four pen stalls to a bulk ink container. It is used for applications only when printing down. It includes an integral ink filter and is supplied with a Priming Kit and a Bulk Extension tube.

350mL Bulk Ink Holder with Empty Detect Kit (5018777GC)
The 350mL Bulk Ink Holder with Empty Detect is a gravity-feed bulk ink system with attached mounting hardware designed for Cartridge-based bulk in supplies. The unit detects when the bulk ink is empty and has an LED that displays the ink status.

800mL fuel.tank Bulk Ink Holder with Empty Detect Kit (5018649GC)
The 800mL Bulk Ink Holder with Empty Detect Kit is a gravity-feed bulk ink system with attached mounting hardware designed for Managed inks. The unit detects when the bulk ink is empty and has an LED (Green/Red) that displays the ink status. The Empty Detect switch connects directly to the IPS Print Controller I/O Connector using the included Cable Assembly.

Solvent Ink Bulk Supply (5020072G)
The Solvent Ink Bulk Supply is an active device that connects to the cartridge and measures ink pressure directly at the cartridge. Ink is fed from the bulk supply to the cartridge when required. It is designed to work with the latest solvent based inks.

Solvent Ink Bulk Supply Manifold Kit
2 head (5020155G)
3 Head (5020156G)
4 Head (5020157G)
8 Head (5020158G)
When multiple print heads utilize the same solvent bulk ink supply, a manifold must be built. These kits contain all of the necessary tools and parts to create an appropriate ink distribution system. The kits come with an easy start guide to aid in design and construction.

Nozzle Priming Kit (5019065G)

This kit is used to remove air from a nozzle ink chamber on the cartridge. It is supplied with a plastic syringe and cartridge clip

Tech Wipes—Pack of 150 (1952217)

High absorbency, heavy duty wipes are ideal for cartridge maintenance. Can be used wet or dry, made from a hydro-entangled blend of Polyester & Cellulose, will not leave any lint residue behind.

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