

ACCESSORY CATALOG



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Mounting Hardware



256-Jet Adapter Bar Kit

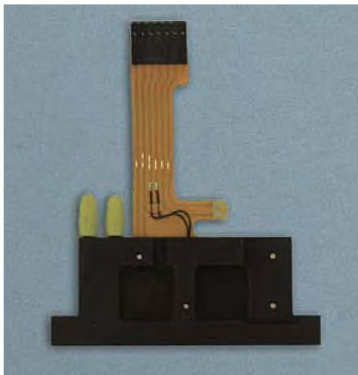
P/N 05999

Consisting of:

- Adapter Bar, 316 Stainless Steel, 256-Jet JA to Reservoir
- O-Rings, size 2-004, FFKM
- Screws, 4-40 x 5/8, Stainless Steel
- Screws, M3 x 20, Stainless Steel

Compatible with:

Galaxy and Nova Jetting Assemblies



S-Class Heater/Interface Bar Kit

P/N 06689-001

Consisting of:

- Anodized Aluminum Heater Bar, including embedded 24 V 25 W heater and 100 K Ω thermistor
- Dual fluid inlet ports for 3 mm (1/8 inch) ID tubing
- Screws, M2 x 4, Stainless Steel
- O-Rings, size .180ID x .038 EPR
- O-Rings, size .100ID x .038, EPR
- Screws, M3 x 16, Stainless Steel

Compatible with:

SL, SM, SE Jetting Assemblies



SX3 Stainless Steel Adapter Bar Kit

P/N 06943

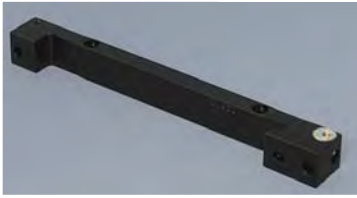
Consisting of:

- Adapter Bar, 316 Stainless Steel, SX3 to Reservoir
- O-Rings, size 2-003, FFKM
- Screws, 4-40 x 5/8, Stainless Steel
- Screws, M2 x 10, Stainless Steel
- Flat Washers, M2, Stainless Steel

Compatible with:

SX3 Jetting Assemblies

Mounting Hardware



S-Class Jetting Assembly Anodized Aluminum Adapter Bar Kit

P/N 05309

Consisting of:

- Adapter Bar, Anodized Aluminum, S-Class to Reservoir
- O-Rings, size 2-003, EPR
- Screws, 4-40 x 5/8, Stainless Steel
- Screws, M2X16, Stainless Steel
- Screws, M2x10, Stainless Steel
- Flat Washers, M2, Stainless Steel
- AN000005 - Assembly Instructions for S-Class Jetting Assembly with a Spectra® Reservoir and Adapter Bar

Compatible with:

SL, SM, SE Jetting Assemblies

Printhead Mounting Hardware Kit

P/N 19478

Kit contains a quantity of 15 M3 Torx screws, flat washers, and Belleville washers used to hold the Q-Class printhead to the frame. Q-Class Field Replaceable Unit (FRU).



Polaris DCM Spacers

P/N 24089

Package of 24 DCM board spacers for use with all Polaris printheads.



Polaris Module Mounting Screws

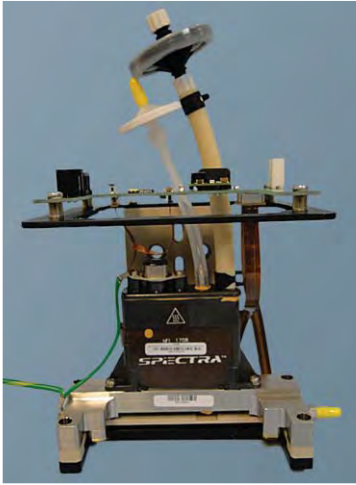
P/N 22668

2 mm hex socket head screw assembly with Delrin washer and spring for mounting module to frame. Package of 2.

Mounting Hardware

Mercury Head Mount

P/N 23329



The Mercury Head Mount provides the interfaces to mount a Q-Class Printhead to the Mercury Development Kit. Includes:

- Frame/printhead mount (to house 1 reservoir, 1 PH, and 1 HIB)
- HIB – Head Interface Board
- 1 reservoir with VLOIS
- Heater /Thermistor connections
- Ink line tubing with filter
- Meniscus line tubing with filter
- Ground wire
- 1 Heater HIB to Mercury Dev. Kit cable (p/n 23493) 60 cm (23.6 inches)
- 1 HIB power cable (p/n 23496) 60 cm (23.6 inches)
- 1 Flex Extension Cable (p/n 20294) Adapts PH cable to HIB board
- PH Mounting Kit (p/n 23676)
- 2 - M3 screws
- 2 - bell (curved) washers
- 2 - flat washers
- 2 - Viton O-rings
- Torque driver with T10 bit preset to 0.5 Nm.



Mounting Bolt Kit for Polaris Printhead

P/N 19619

Consisting of:

- 8 mounting bolt assemblies, each with 5.5 mm Hex head, M3 x 0.5 bolt with precision spring retained on by a Delrin washer for ease of use.

Note: shoulder bolt and precision spring assures proper mounting forces at both ends of the printhead.



Polaris Frame

- Provides precision mounting of (2) 256-jet module FRUs
- Registration surfaces for mounting into customer provided carriage plate
- 2 temperature control zones (heater, thermister, thermal fuse)
- Field replaceable unit (FRU)

100 dpi Polaris frame

P/N 22871

200 dpi Polaris frame

P/N 21391

Temperature Control



Thermistor Assembly

P/N 7033-425

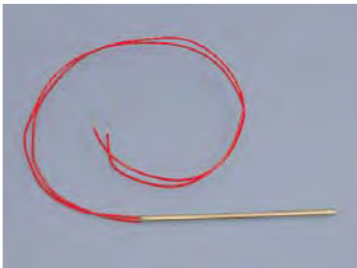
A thermistor is a thermally sensitive device used for temperature sensing and control within a reservoir or jetting assembly.

Consisting of:

- 100 K Ω (@25°C) Thermistor
- .070 inch diameter x .25 inch thermistor, with 12 inch 28 AWG, Teflon insulated wire with unterminated leads

Compatible with:

All Galaxy, Nova, and S-Class Products and all Reservoirs



Heaters

Cartridge heaters provide a source of heat to either a jetting assembly or reservoir. The heaters are sealed cartridge heaters with unterminated 24 AWG Teflon insulated leads, and are 3 inches long.

Volts	Watts	Diameter	Compatible with:	
110	50	1/8 inch	Nova & Galaxy Jetting Assemblies	P/N 04797
110	50	1/4 inch	Galaxy Printheads, Remote Reservoir-Lung Assemblies	P/N 04992
110	25	1/8 inch	SL, Nova, and Galaxy Jetting Assemblies	P/N 05334
24	25	1/8 inch	SL, Nova, and Galaxy Jetting Assemblies	P/N 05335
24	50	1/4 inch	Nova and Galaxy Jetting Assemblies, Galaxy printheads	P/N 05336
24	50	1/8 inch	Nova and Galaxy Jetting Assemblies	P/N 06371

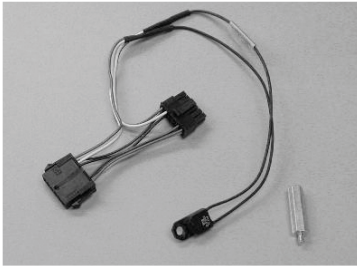


Thermo-Electric Wiring Harnesses

Thermo-Electric wiring harness assemblies provide heat and temperature sensing to jetting assemblies or reservoirs. Includes heater(s) and a 100K thermistor terminated in a Molex MicroFit 3.0 connector. Assemblies are 3 inches long.

Volts	Watts	Diameter	Compatible with:	
24	50	1/4 inch	Nova & Galaxy printheads, Remote Reservoir-Lung Assemblies	P/N 05377
110	50	1/4 inch	Nova, and Galaxy printheads, remote reservoir-lung assemblies	P/N 05378
24	50	1/8 inch	Nova, and Galaxy Jetting Assemblies	P/N 06357
24	25	1/8 inch	SL, Nova, and Galaxy Jetting Assemblies	P/N 06358
110	25	1/8 inch	SL, Nova, and Galaxy Jetting Assemblies	P/N 06359
110	50	1/8 inch	SL, Nova, and Galaxy Jetting Assemblies	P/N 07159
2 - 110	2 - 50	1/4 & 1/8 inch	Nova printheads	P/N 07811
2 - 110	2 - 50	2-1/4 inch	All Galaxy printheads except 512	P/N 06836

Temperature Control



Printhead Thermal Control Switch

P/N 06708

The Printhead Thermal Control Switch is a thermally sensitive safety device that interrupts power to the cartridge heaters in the event of thermal runaway; for use with Spectra LQ printheads. Trip point is 130°C; automatically resetting at lower temperature.

Fluid Delivery

An efficient and functional fluid supply is crucial for good printhead performance. Long term component compatibility with various jetting materials will help applications attain reliable results.



Peristaltic Fluid Pump

P/N 03802

Consisting of:

- Pump, 12VDC, Masterflex
- Cable, Ink Pump Power
- Cable, External, Pump Control

Compatible with:

Apollo II PSK



Peristaltic Pump Ink Line - 1/16ID

P/N 03565

Smaller diameter tubing for normal flow-volume applications with Apollo or Apollo II. This tubing fits into the peristaltic pump 03802.

Consisting of:

- Tubing, 1/16ID, Pharmed
- Fitting, Female-Luer, Poly - 3/32 barb to fitting



Peristaltic Pump Ink Line - 2.79mm ID

P/N 07801

Larger diameter tubing for higher flow-volume applications with Apollo or Apollo II. This tubing fits into the peristaltic pump 03802.

Consisting of:

- Tubing, 2.79mm ID, Pharmed
- Fitting, Female-Luer, Poly - 1/8 barb to fitting

Fluid Delivery



Ink Line Assembly with Filter and Adapter (Connects from Pump Head Tube to Incline)

P/N 06141

Replacement filter assembly for 03565 and 10171 ink lines.

Consisting of:

- Filter, 5 μ , MAPP Disk, Polypropylene Housing
- Tubing, 1/16ID, Pharmed
- Fittings, Male Luer lock x 3/32HB, Polypropylene



Connection Tube (Connects from Cubetainer to Pump Head Tube)

P/N 04326

For Apollo or Apollo II. Connects between the 1 liter cubetainer ink package and the 03565 and 07801 pump ink line.

Consisting of:

- Fitting, 1/4HB-PS Coupling
- Tubing, 3/16ID, Pharmed
- Fitting, 1/4, Barb, Poly, Male
- Clamp, Flow Control



Pneumatic Tubing Disc Filter, Air Line (0.2 micron)

P/N 06679

Consisting of:

- Filter, 0.2 μ m, Inline, Teflon Disk (Quantity 4 per order)

Compatible with:

Nova and Galaxy Printheads (not Jetting Assemblies), ScanPAQ, SapKIT, PolKIT, TestPAQ, and Mercury Head Mount.



Manual Refill Kit

P/N 3800-048

Consisting of:

- Fitting, Manual Refill
- Tubing, .067 ID x .125 OD
- Tubing, 3/16 in.
- Syringe, 20cc, Luer lock Tip
- Syringe, Blunt Disp.Tip, 0.065
- Filter, 5 μ m, Syringe, Nylon

Compatible with:

Spectra[®] Reservoirs (except Hot Melt), SapKIT, PolKIT, TestPAQ, and Mercury Head Mount.

Fluid Delivery

Umbilical, UM-070-DT/NT-18 P/N 01070

Umbilical, UM-070-DT/DT-24 P/N 07595

Umbilical, UM-070-DT/NT-25 P/N 13030

Umbilical, UM-04M-NT/DT-69 P/N 18903

Umbilical, UM-050-NT/NT-00-UV P/N 3900-063

Umbilical, UM-050-DT/NT-25 P/N 3900-075

Umbilical, UM-120-NT/NT-67-NRW P/N 7050-860-3

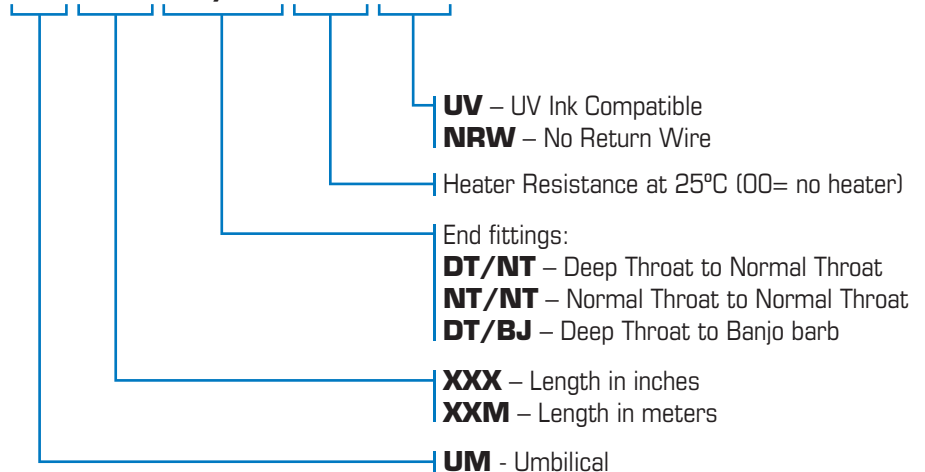
Umbilical, UM-075-NT/NT-111-NRW P/N 7050-860-5

Umbilical, UM-028-DT/BJ-63 P/N 7050-928-4

Umbilical, UM-028-DT/BJ-35 P/N 7050-928-5

Umbilical Key:

UM-XXX-XX/XX-XXX-XXX



Fluid Delivery

Reservoir Outlet Manifold

The outlet manifold distributes fluid from a reservoir to up to 6 jetting assemblies.

Consisting of:

- Manifold Bar, 316 Stainless Steel
- Stainless Steel Barbed Fitting for 1/8 inch ID tubing (Quantity 1 for each jetting assembly)
- Stainless Steel M5 Plug (Quantity 1 for each unused outlet) and 1-M3 Plug
- Screws, 4-40X 1/2 inch, Stainless Steel

Style

1 Up, for a single jetting assembly	P/N 05407
2 Up, for 2 jetting assemblies	P/N 05404
3 Up, for 3 jetting assemblies	P/N 05403
4 Up, for 4 jetting assemblies	P/N 05402
5 Up, for 5 jetting assemblies	P/N 05401
6 Up, for 6 jetting assemblies	P/N 05400
1 to 6 Up, for developing individual configurations from 1 to 6 jetting assemblies	P/N 06024

Compatible with:

Nova, Galaxy, S-Class Jetting Assemblies, and Polaris Printheads

Apollo II SapKIT Filter and Ink Line Assembly [P/N 21172](#)

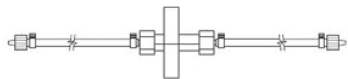
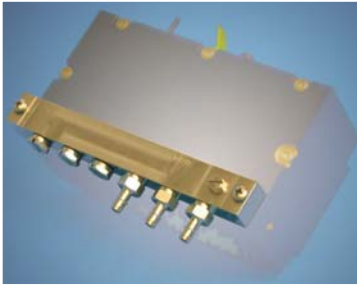
Ink line with 5 µm Whatman filter for use with Apollo II upgrade kit to feed ink to SapKIT reservoir. Includes 3 meter long Pharmed tubing.

Ink Line Assembly, 3m, Filtered, 1/8 inch ID [P/N 10171](#)

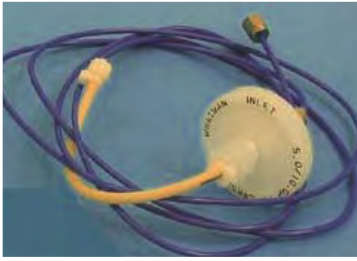
3 meter long. Includes 5 µm filter. Larger diameter tubing for higher flow-volume applications with Apollo or Apollo II.

Ink Line Adapter for 10171 [P/N 10170](#)

Adapter required for connection of 10171 ink line to standard reservoirs with Swagelok connection to adapt to the larger diameter tubing on the 10171 ink line.



Fluid Delivery



Ink Line, 2m, w/5 µm Filter

P/N 03568

2 meter long. Includes 5 µm filter. Smaller diameter, more flexible tubing for normal flow-volume applications with Apollo I or II.



Meniscus Vacuum & Lung Line

P/N 07974

3 meter long meniscus vacuum and lung air line for use with the Apollo or Apollo II.



LOIS, High Temp, Hot Melt

P/N 13372

Thermal Low On Ink Sensor for use with hot melt ink at temperatures above 70° C. 5K. 9 inch lead length. Male terminal.

For a package of 10, order P/N 19940



LOIS, Low Temp.

P/N 05543-002

Thermal Low On Ink Sensor - Fluid level sensor used in many Dimatix reservoirs. For use with Liquid inks.



Skywalker Last Chance Filter FRU Kit

P/N 21493

The Last Chance Filter (LCF) Field Replaceable Unit (FRU) kit for the Skywalker HD includes 12 filter/tubing assemblies, 12 barbed ink inlet fittings, and 12 tubing clamps. The filter and tubing assembly has a Pall 10 µm filter with barb fitting, a length of Tygon 2075 tubing secured with a permanent metal tubing clamp.



Polaris Start-Up Filter Kit

P/N 19156

Consisting of an assembly made up of:

- 10 µm Pall filter with Luer lock fitting (Quantity 1)
- Luer lock fittings, male to 1/8 inch (Quantity 1)
- Tee fitting with similar barbs (Quantity 2)
- 0.125" ID Pharmed tubing
- 2 kits required per printhead

Printhead Support Products



Anodized Aluminum Reservoir/Lung Remote Reservoir-Lung Assembly

P/N 06543-001

Fluid reservoir module for use inline or attached to one or more Spectra jetting assemblies. The Aluminum version, 20 ml, is equipped with EPDM O-rings.

Options:

Heater cartridge and thermistor temperature sensor.



316 Stainless Steel Reservoir/Lung Remote Reservoir-Lung Assembly

P/N 05560

Fluid reservoir module for use inline or attached to one or more Spectra jetting assemblies. It is designed for very aggressive fluids. The Stainless steel version, 20 ml, is equipped with perfluoroethylene O-rings.

Options:

Heater cartridge and thermistor temperature sensor.



Remote In Line 316 Stainless Steel Lung Module

P/N 05841

Compact degassing unit, for use with aggressive fluids. The unit is stackable for increased capacity. The only materials in contact with the fluids are PFE, 316 stainless steel and perfluoroethylene.

Options:

Heater cartridge and thermistor temperature sensor.



Meniscus Pressure Controller

P/N 08162-001

Compact 4-channel standalone unit used to maintain meniscus vacuum for Nova and Galaxy 256-channel printheads and S-Class jetting assemblies.

Options:

Fluid in Line Monitor (FiLM), 2 Sensor (P/N 09029)

Fluid in Line Monitor (FiLM), 4 Sensor (P/N 10496)



Ink Development Reservoir

P/N 04365

Consisting of:

- Ink Development Reservoir
- Manual Refill Kit

Compatible with:

All Jetting Assemblies/Adapter Bars



Isolated Head Interface Board (IHIB)

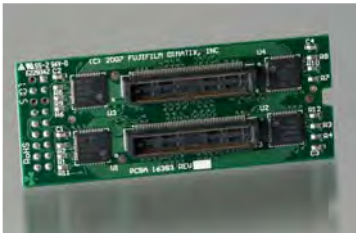
P/N 06096

Consisting of:

- Assembly, PCB, IHIB
- Standoff, 4-40x1, Hex Alum (qty 4)
- Screw, 4-40x1/4, Pan PH, 316 SS (qty 4)

Compatible with:

All Nova, Galaxy, and S-Class Jetting Assemblies

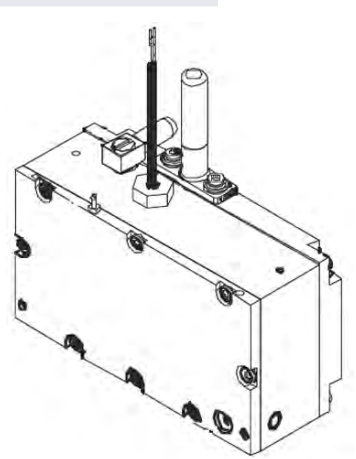


Skywalker Driver Chip Module (DCM)

P/N 17099

Compatible with:

Skywalker



Hot Melt Reservoir

P/N 04894

Black anodized aluminum reservoir for use with Hot Melt; includes high temp LOIS and 7033-858 heater/thermistors harness.

Model Fluids (7060 and XL-30 Series)

Model Fluid 7060 Series

Color	Quantity	Packaging	
Blue	1	.5 Liter plastic bottle	P/N 7060-804-93
Blue	4	1 Liter cubetainer	P/N 16707
Blue	6	1 Liter cubetainer	P/N 16708
Black	4	1 Liter cubetainer	P/N 16709
Black	6	1 Liter cubetainer	P/N 16710
Yellow	4	1 Liter cubetainer	P/N 16711
Yellow	6	1 Liter cubetainer	P/N 16712
Red	4	1 Liter cubetainer	P/N 16713
Red	6	1 Liter cubetainer	P/N 16714
All 4 Colors	4	1 Liter cubetainer	P/N 16721

Model Fluid XL-30 Series

Color	Quantity	Packaging	
Red	1	.5 Liter plastic bottle	P/N 12462
Red	4	1 Liter cubetainer	P/N 16662
Red	6	1 Liter cubetainer	P/N 16663
Blue	4	1 Liter cubetainer	P/N 16701
Blue	6	1 Liter cubetainer	P/N 16702
Yellow	4	1 Liter cubetainer	P/N 16703
Yellow	6	1 Liter cubetainer	P/N 16704
Black	4	1 Liter cubetainer	P/N 16705
Black	6	1 Liter cubetainer	P/N 16706
All 4 Colors	4	1 Liter cubetainer	P/N 16720

Material Compatibility Kits (MCK)

256–Jet MCK

Consisting of 3 pieces of:

P/N 10768

- Upilex rocktrap
- Epon epoxy coated slides
- Parylene-coated slides
- Stainless steel orifice plate
- Kovar material
- Ceramic PZT material
- Carbon AXF5Q-CF pieces
- Flex Link material
- Flex Print
- Upilex prebond samples
- AXF collar-manifold assemblies
- O-rings
- IN000005 - Instructions (Quantity 1)

Galaxy AAA and Nova AAA Jetting Assemblies Materials Samples

S-Class AA MCK

Consisting of 3 pieces of:

P/N 08674

- AXF carbon
- Parylene-coated slides
- Epon epoxy coated slides
- Upilex Rocktrap material
- Kovar material
- Ceramic PZT material
- Gold nozzle plates
- Stainless steel descender material
- Flex link material
- Flex Print
- Upilex prebond samples
- Nozzle plate assemblies
- O-rings
- IN000006 - Instructions (Quantity 1)

S-Class AA Jetting Assemblies Materials Samples

SX3 MCK

P/N 12575

Consisting of 3 pieces of:

- AXF carbon
- Epoxy coated slides
- Stainless steel cavity plate
- Upilex Rocktrap material
- Ceramic PZT material
- Flex Plate material
- Flex Print
- Peek Cover
- Silicon Wafer Pieces
- Upilex prebond samples
- IN000012 - Instructions (Quantity 1)

SX3 Jetting Assemblies Materials Samples

Skywalker HD MCK

P/N 21647

Consisting of 3 pieces of:

- DFP-1 carbon
 - Nylon Luer Fitting
 - Epon epoxy coated slides
 - Upilex Rocktrap material
 - Ceramic PZT material
 - Tygon 2075 Incline
 - 17-7 Stainless steel nozzle, ground, descender, cavity plate
 - Polypropylene Filter
 - Flex Circuit Upilex/Espanex
 - Housing and Araldite epoxy
 - Upilex prebond samples
 - IN000048 - Instructions (Quantity 1)
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Material Compatibility Kits (MCK)

PQ, QE, QS AAA, & SG-1024 Printhead MCK

P/N 21164

Consisting of 3 pieces of:

- Carbon array body
- Prebond Assembly
- Parylene coated slide
- Epoxy coated slide
- Barb fitting
- 17-7 Stainless Steel descender plate
- Nozzle plate - Nickel, Gold
- Nozzle plate piece - Silicon
- Nozzle plate piece - coated electroform Nickel
- Viton tubing
- Nylon Luer fitting
- IN000046 - Instructions (Quantity 1)

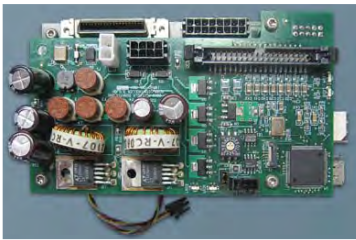
ScanPAQ MCK

P/N 19075

Consisting of 3 pieces of:

- P/N 18529 tubing
- P/N 18442 Filter
- P/N 18522 reservoir with barbs
- IN000034 - Instructions (Quantity 1)

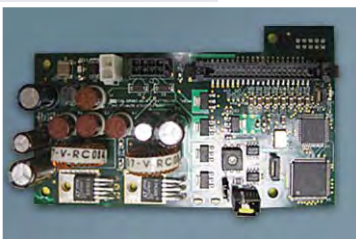
Electronics and Software



ScanPAQ Controller Board (TLOIS) FRU

P/N 22564

ScanPAQ Electronics Bundle Field Replaceable Unit (FRU); PCBA controller 3.0 for the TLOIS version of the ScanPAQ.



ScanPAQ Controller Board (VLOIS) FRU

P/N 19325

ScanPAQ Electronics Bundle Field Replaceable Unit (FRU); PCBA controller 3.0 for the VLOIS version of the ScanPAQ.



ScanPAQ Data Waveform Board FRU

P/N 19326

ScanPAQ Electronics Data Waveform Board Bundle Field Replaceable Unit (FRU); Download up to 2 different multipulse waveforms, each can be binary or grayscale. Quick switching from one WF to the other. 4 output channels with independent scaling. Sub-pixel timing, programmable delays per printhead – 128 nsec increments.

ScanPAQ Quad-Amplifier FRU

P/N 19327

ScanPAQ Quad Amplifier Field Replaceable Unit (FRU); this is the input stage of the amplifier that interfaces with the Data Waveform board.

ScanPAQ Amplifier Power Board FRU

P/N 19329

ScanPAQ Electronics Bundle Field Replaceable Unit (FRU); The Amplifier Power Board contains the output power stage of the Amplifier. It has copper cladding on the back and sits atop the heat sink.



ScanPAQ Fan FRU

P/N 19331

ScanPAQ Electronics Bundle Field Replaceable Unit (FRU); On Electronics Bundles with heat sink, this 12 V fan is mounted on the underside of the heat sink to facilitate the passage of cooling air to the boards.

Q-Class Electronics Bundle

This electronics bundle interfaces to the HIB of the ScanPAQ Head Array. It includes a multipulse, 4-channel Fire Pulse amplifier and a means for processing binary and multipulse waveforms and image data. It receives image data and FP command on a high speed serial LVDS interface, and commands via RS-485. 150V, 48V, and 12V power supplies are required. The Controller section handles Head Tending via PC communications GUI, including temperature control, ink level monitoring. The Electronics Bundle is comprised of the Controller Board, the Waveform Data Board, and the Amplifier. It is available with or without heat sink and fan.

Q-Class Electronic Bundle with Heat Sink, VLOIS

P/N 19568-001

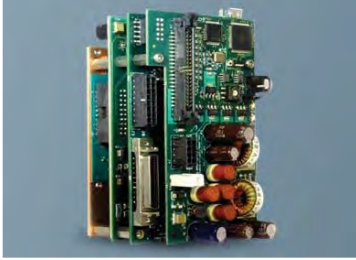
Q-Class Electronic Bundle with Heat Sink, TLOIS

P/N 22500

Q-Class Electronic Bundle with 24V Fan, VLOIS

P/N 20617





Q-Class Electronic Bundle (Cont.)

Q-Class Electronic Bundle without Heat Sink, VLOIS	P/N 19586-001
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Q-Class Electronic Bundle without Heat Sink, TLOIS	P/N 22498
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TestPAQ Electronics Bundle

P/N 19220

TestPAQ Electronics Bundle with VLOIS, heat sink, and 3.0 Control Assembly Program. This bundle is similar to the ScanPAQ electronics bundle with heat sink, and is configured to operate a single QE/QS printhead on the TestPAQ head mount.

VersaDrop Bundle

The VersaDrop Bundle is comprised of the Waveform Data Board and the Quad Amplifier. It is available with or without heat sink. The VersaDrop Electronics Bundle is the same as the ScanPAQ electronics bundle, but without the thermal and ink level (head tending) control board.



VersaDrop Bundle with Heat Sink	P/N 19588-001
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P/N 19588-001



VersaDrop Bundle without Heat Sink	P/N 19587-001
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P/N 19587-001

VersaDrop Waveform Editor

P/N 19606

Tool for creating and editing digital waveform files for use with the ScanPAQ-type electronic bundles. Displays a graphical representation of the waveform showing the segments and durations. Editing tools include Insert/Delete Segment with individual segment controls for slew factor, duration, and level. Section Markers can be Added/Deleted for grayscale operation and a power tab is available for determining the amount of power needed by changes to the waveform. Binary waveforms and multi-bit waveforms for grayscale can be created.

Electronics and Software

Q-Class Head Tending Interface

P/N 18981

PC interface package for RS-485 communication with the electronics bundles of the TestPAQ, ScanPAQ, SapKIT, or PolKIT.

Consisting of:

- Ulinx Isolated RS-422/485 USB Adapter (USOPTL4)
 - 5 meters [16.4 ft] 2 pair 24 awg shielded cable (USB Adapter to controller)
 - 1 meter [3.3 ft] Type A Male to Type B Male USB Cable
 - USB to Serial Driver CD
 - USB Adapter (USOPTL4) Data sheet
 - Q-Class Head Tending Interface Software CD
-

Waveform Parser DLL CD

P/N 19607

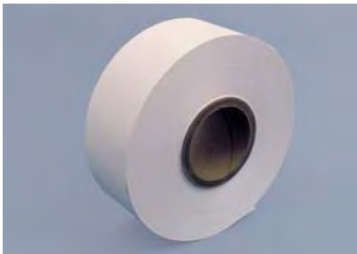
Software .dll file for use by OEM printer controller for parsing data from Waveform file and sending it to the Data/Waveform board in the ScanPAQ or VersaDrop electronic bundles.

Waveform Analyzer DLL CD

P/N 19608

Software .dll file for use by OEM printer controller for analyzing a Waveform file for errors prior to parsing the data from Waveform file to the Data/Waveform board in the ScanPAQ or VersaDrop electronic bundles. This is the same WF error analyzer as is used in the Stand Alone WF Editor.

Miscellaneous Supplies



Web Transport Paper, Roll

P/N 05460

- 3 in x 1000 ft, 3 inch core
-

Coated Paper Coupons

P/N 05690

- 3.86 x 6.9 in., 500/Pkg
-

Lint-Free Clean Wipes

- 4 x 4 in., 600/Pkg

P/N 07480

- 9 x 9 inch, 800/pkg
-

P/N 01287



Empty Cubetainer

P/N 09540

- 6 – 1 liter ink bladder bag, cap, and corrugated box

Apollo II Upgrade Kit

Apollo II Upgrade Kit – This package upgrades the Apollo II to enable operation of the Q-class QS/QE-256 and PGA-512 printheads. The MPEM is used combined with the SapKIT for QS/QE, or the PolKIT with the PGA printheads.



Multipulse Electronic Module (MPEM)

P/N 20461

Self contained unit that provides the electronic interface between the Apollo II and either the PolKIT or the SapKIT Apollo II Upgrade. Includes software CDs, external cable assemblies, and documentation set.

This assembly includes ScanPAG-type electrics bundle with the multipulse head drive, waveform processing, and head tending. It is limited to binary jetting (no grayscale) by the Apollo II data path.

Multipulse Electronic Module (MPEM) FRU

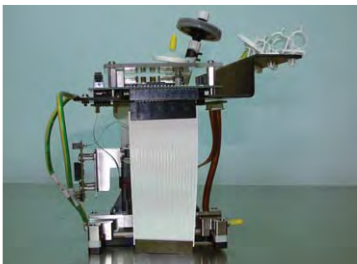
P/N 21055

Apollo II Upgrade Kit Field Replaceable Unit (FRU); MPEM electronics bundle assembly only.

Apollo II Upgrade Cable & CD Kit

P/N 21582

All the software and cables necessary to connect and run the SapKIT or PolKIT Apollo II Upgrade.



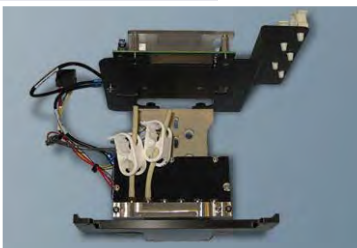
SapKIT Apollo II Upgrade

P/N 20460

The SapKIT provides the interface between the MPEM and the Sapphire QS and Emerald QE Printhead. Includes:

- Frame/PH mount (to house 1 reservoir, 1 printhead, & 1 HIB)
- Head Interface Board (HIB)
- Reservoir with VLOIS to TLOIS signal converter (no lung)
- 2 heater adapter PCBs
- Tubing with filters
- Cables (flex cables to the printhead, grounding cables, heater cables)

Does not include a printhead.



PolKIT Apollo II Upgrade

P/N 20459

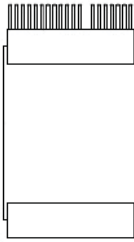
The PolKIT provides the interface between the MPEM & the Polaris PQ Printhead. Includes:

- Frame/printhead mount (to house 1 reservoir, 1 printhead, and 1 HIB)
- Head Interface Board (HIB)
- Stainless steel Miata reservoir with lung
- Tubing
- Cables (flex cables to the printhead, grounding cables, heater cables)

Does not include a printhead.

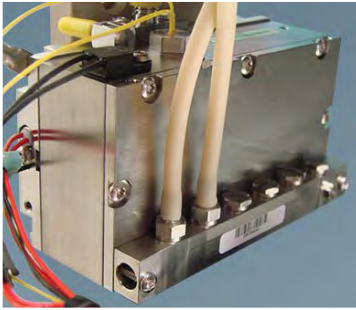
PolKIT Printhead Flat Cable Assembly FRU [P/N 20936](#)

This is the 8 cm (3 inch) flat cable that runs from the HIB on the PolKIT to the PQA printhead DCM.



PolKIT Reservoir FRU [P/N 20939](#)

PolKIT Field Replaceable Unit (FRU); PolKIT reservoir assembly includes a Miata reservoir & thermal LOIS.



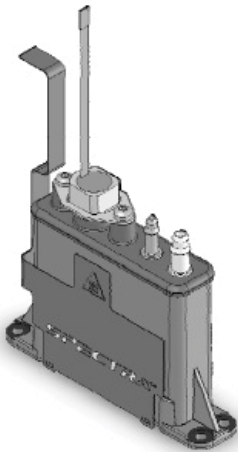
SapKIT Printhead Flat Cable Assembly FRU [P/N 20937](#)

This is the 8 cm (3 inch) flat cable that runs from the HIB on the SapKIT to the QS/QE printhead DCM.



SapKIT Reservoir FRU [P/N 20938](#)

SapKIT Field Replaceable Unit (FRU); The reservoir assembly for the SapKIT includes: reservoir, VLOIS, 2 PCB Heater Adapter Boards, VLOIS to TLOIS Translator PCB Board, assorted fittings, screws, tubing, and filter.



Polaris Modules



Polaris PQ Printhead Module FRUs

Field Replaceable Unit (FRU); Replacement modules for the Polaris PQ 512 AAA printhead. Includes:

- Module
- Test coupon
- 2 mounting screw assemblies
- 2 board spacers

PQ-256/15 AAA Array FRU	P/N 20989
PQ-256/35 AAA Array FRU	P/N 20990
PQ-256/85 AAA Array FRU	P/N 20991

ScanPAQ



ScanPAQ Head Interface Board (HIB) FRU P/N 19302

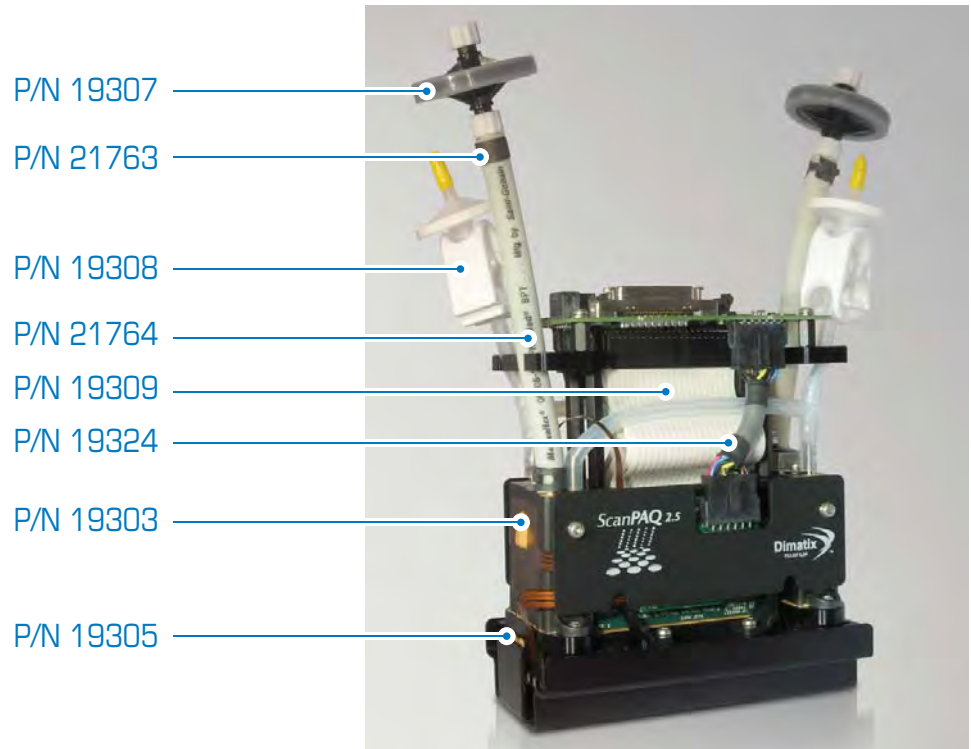
ScanPAQ Field Replaceable Unit (FRU); QCHIB that handles all ScanPAQ Head Array electrical connections including Data & Control, firepulse signal, reservoir and frame heaters, and sensors.



ScanPAQ Jumper Board FRU P/N 19306

ScanPAQ Field Replaceable Unit (FRU); This is the jumper board that consolidates the heater flexes and VLOIS flex to the HIB connections. ScanPAQ Field

ScanPAQ Field Replaceable Units (FRU)



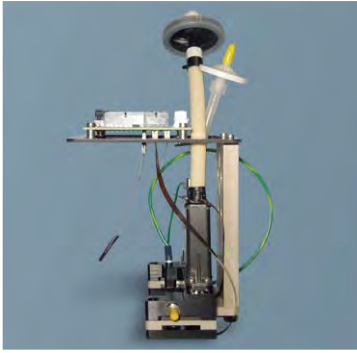
ScanPAQ Field Replaceable Unit (FRU) - Reservoir	P/N 19303
ScanPAQ Field Replaceable Unit (FRU) - Frame	P/N 19305
ScanPAQ Field Replaceable Unit (FRU) – Ink Filter Kit	P/N 19307
ScanPAQ Field Replaceable Unit (FRU) – Meniscus Filter Kit	P/N 19308
ScanPAQ Field Replaceable Unit (FRU) – Printhead Cable Kit	P/N 19309
ScanPAQ Field Replaceable Unit (FRU) – VLOIS/Heater Cable Kit	P/N 19324
ScanPAQ Field Replaceable Unit (FRU) – Ink Line Tubing & Filter Kit	P/N 21763
ScanPAQ Field Replaceable Unit (FRU) - Meniscus Line Tubing & Filter Kit	P/N 21764

ScanPAQ VLOIS FRU P/N 21406

ScanPAQ Field Replaceable Unit (FRU); Vibrating Low On Ink Sensor - Binary fluid level sensing device that works by vibrating its beam and measuring the frequency of the vibration.

ScanPAQ TLOIS FRU P/N 21650

ScanPAQ Field Replaceable Unit (FRU); Thermal Low On Ink Sensor. Only for use with TLOIS version of ScanPAQ Electronics Bundle.

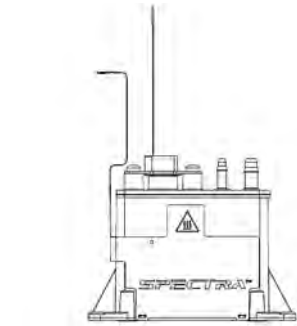


TestPAQ Head Mount Assembly

P/N 19275

The TestPAQ head mount assembly can be used for a single QS/QS printhead, can be used with the TestPAQ Electronics Bundle, and is intended to be integrated into a customer's testing device. Includes:

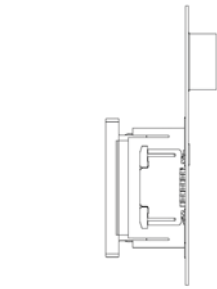
- Head Interface Board (HIB)
- Reservoir with integral ink level sensor
- Multiple temperature sensors and heaters
- Inlet filters for ink
- Meniscus lines



TestPAQ Reservoir

P/N 19541

The TestPAQ reservoir has a VLOIS fluid level sensing device, a meniscus vacuum line fitting, an ink fitting and a heater.



TestPAQ Heater Adapter Board FRU

P/N 19575

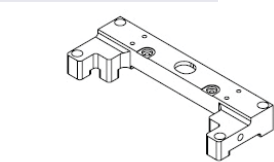
TestPAQ Field Replaceable Unit (FRU); heater adapter board.



TestPAQ Head Interface Board (HIB) FRU

P/N 19574

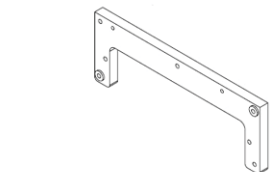
TestPAQ Field Replaceable Unit (FRU); The QCHIB is a single PCB with components on both sides. It has four connectors to handle the Fire Pulse signal, the Sensors, Data and Control, and the Heater Drive signals. The three heater flex circuits connect to the QCHIB via ZIF connectors.



TestPAQ Manifold with Heater FRU

P/N 19577

TestPAQ Field Replaceable Unit (FRU); manifold with heater.



TestPAQ Printhead Mounting Plate with Heater FRU

P/N 19578

TestPAQ Field Replaceable Unit (FRU); mounting plate assembly with heater.



DMP Cartridge

- Up to 1.5 ml (user fillable)
- Piezo jetting device with integrated reservoir & heater
- 16 nozzles, 254 μ m spacing, single row
- 1 pL nominal
- Polypropylene-bag fluid module
- DMC-11601

For DMP-2800

P/N 700-10701-01

For DMP-3000/5000/5005

P/N 22331

DMP Cartridge

- Up to 1.5 ml (user fillable)
- Piezo jetting device with integrated reservoir & heater
- 16 nozzles, 254 μ m spacing, single row
- 10 pL nominal
- Polypropylene-bag fluid module
- DMC-11610

For DMP-2800

P/N 700-10702-01

For DMP-3000/5000/5005

P/N 22035

DMP Cartridge

- Up to 1.5 ml (user fillable)
- Piezo jetting device with integrated reservoir & heater
- 16 nozzles, 254 μ m spacing, single row
- 1 pL nominal
- Liquid Crystal Polymer LCP-bag fluid module
- DMCLCP-11601

For DMP-2800

P/N 700-11961-01

For DMP-3000/5000/5005

P/N 22333

DMP Cartridge

- Up to 1.5 ml (user fillable)
- Piezo jetting device with integrated reservoir & heater
- 16 nozzles, 254 μ m spacing, single row
- 10 pL nominal
- Liquid Crystal Polymer LCP-bag fluid module
- DMCLCP-11610

For DMP-2800

P/N 700-11670-01

For DMP-3000/5000/5005

P/N 22332

DMP Accessories

Black Model Fluid

P/N 700-11575-03

- MFL-003 DMP Black Model Fluid, 30 ml bottle
-

Cleaning Pads

P/N 700-11612-01

- CLP-016 Cleaning pads (Quantity 20)
-

Drop Watcher Pads

P/N 700-11613-01

- DWP-016 Drop watcher pads (Quantity 10)
-

Fill Tips

P/N 700-11614-01

- EXT-001 Fill-tips (Quantity 10)
-

Filters

P/N 700-11615-01

- FIL-001 Filters (Quantity 10)
-

Syringes

P/N 700-11616-01

- SYR-003 Syringes (Quantity 10)
-

Format Conversion Software

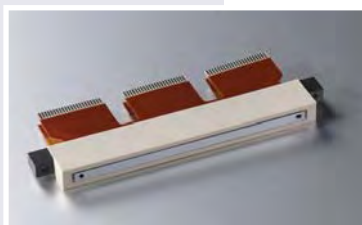
P/N 700-12598-01

- SFW-002 Vector Graphics Format Conversion Software
-

SX3 Printhead

P/N 09481

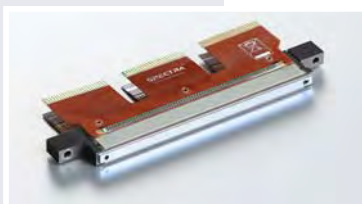
8 picoliter calibrated drop size, 128 nozzle printhead for use in Dimatix Material Printers (DMP-3000 and DMP-5000).



SE3 Printhead

P/N 14923

35 picoliter calibrated drop size, 128 nozzle printhead for use in Dimatix Material Printers (DMP-3000 and DMP-5000).



SE-DPN Printhead

P/N 19498

30 pL calibrated drop size printhead with driver-per-nozzle (DPN) capability for use in Dimatix Material Printers (DMP-3000, DMP-5000).



DMP Accessories



D-128 DPN Printheads

Printhead with driver-per-nozzle (DPN) capability for use in Dimatix Material Printers (DMP-3000, DMP-5000, and DMP-5005). Available in 10 pL or 1 pL drop sizes.

D-128 DPN 10 pL Printhead	P/N 700-13155-03
D-128 DPN 1 pL Printhead	P/N 700-13154-03

S-Class Kit

P/N 22033

Quantity of 1 each of Ink Development Reservoir, Thermal Electric 24V, S-Class Model Fluid 500 mL, S-Class Flush Fluid 500 mL, Syringe Kit, Kalrez O-ring 2-007 FFKM BLK and 3 of Kalrez O-rings 2-003 FFKM BLK.

D-Class Kit

P/N 22034

Quantity of 1 each of D-Class Model Fluid 500 ml, D-Class Flush Fluid 500 ml, and Syringe Kit.

Paper

Quantity of 10 - 300x300 mm paper	P/N 21085
Maintenance Roll	P/N 19987

Syringe Kit or Manual Refill Kit

P/N 3800-048

Consisting of:

- Fitting, Manual Refill
- Tubing, .067 ID x .125 OD
- Tubing, 3/16 inch
- Syringe, 20 cc, Luer lock Tip
- Syringe, Blunt Disp. Tip, 0.065
- Filter, 5 µm, Syringe, Nylon

Ink Filter

P/N 03574

5 µm disc filter.

S-Class Model Fluid, 500 mL

P/N 20530

S-Class Flush Fluid, 500 mL

P/N 19985

D-Class Model Fluid, 500 mL

P/N 22502

D-Class Flush Fluid, 500 mL

P/N 22501

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Fax: (408) 565-9151
Email: info@dimatix.com

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PDS00028 Rev. 10 03/27/12



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