

C a t a l o g

Accessories

Spare parts



S 7 R a n g e

Small character
ink jet printing



S7 Prima

S7 Sigma

S7 Mega

S7 Supra



A19622 – D



A DOVER CORPORATION

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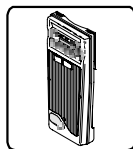
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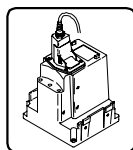
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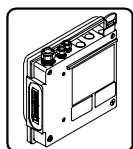
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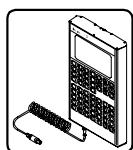
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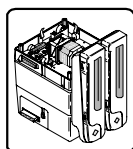


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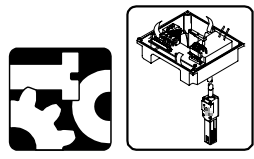
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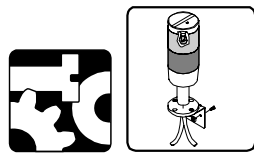
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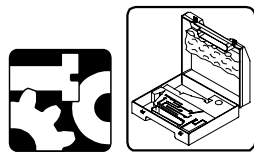
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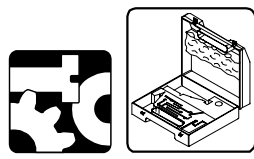
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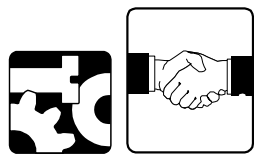
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Preliminary instructions



Before using or servicing the printer, read these instructions and the material data safety sheet (MSDS) for the consumables.

Disconnect the printer from the mains before any operations requiring components to be removed or exchanged.

Liability

IMAJE cannot be held responsible if safety instructions and, generally speaking, basic safety rules for using and servicing its printers are not followed.

Any modification or intervention is the responsibility of his author as far as its possible consequences are concerned.

The same applies to any use of the printer that fails to comply with IMAJE specifications.

All IMAJE printers have safety labels that meet the safety standards governing printer use compliant with IMAJE recommendations.

Any modification carried out may be counter to printer compliance and the relevant safety standards.

Therefore, Imaje cannot be held liable for any malfunction or damage caused by any modification of the use recommended by IMAJE or for any incident arising from use of the printer for any purposes other than those for which it is designed. It is the sole responsibility of the user to take the precautions required by any use to which he or she puts the printer.

Health / Hygiene

Please read the safety data sheet (MSDS) for the consumable used.

Max. noise level < 60 dB A.

Fire prevention

It is essential to comply with the instructions on the safety data sheet (MSDS) for the consumables used.

For continued protection against possible fire, use only the following ink/solvent mixture: KETONE / ALCOHOL / WATER / ESTER.

Never leave containers containing ink, additives or products used to clean the printer, or ink-soaked cloths (even dry) near the printer.

Environment

Operating temperature: +5°C to +45°C (+41°F to +113°F).

Humidity: 0 à 90 % RH with no condensation.

Preliminary instructions



The use of certain inks may limit the temperature and humidity ranges (see the ink specification sheet).

The printer must not be used in explosive atmospheres.

Installation

The printer must be installed in a ventilated location, away from any source of heat, flames or sparks.

The printer and print heads must be fixed with the attachment devices provided.

The printer installation on the production line must not generate any risks for staff.

The operator's work station faces the printer.

The printer must be connected to a single phase mains electricity network with earth, using the cable supplied with the printer. The standard plug on this cable must be easily accessible.

The electrical and pneumatic installations upline of the printer must comply with applicable regulations.

When the printer or a part thereof is attached to a stand, the stand must be connected to earth.

Earth all conducting parts not at a voltage reference and which are related to or close to the printer (metal frames, protective guards, etc.).

Use

The printer is designed for contact-free printing by projecting ink. Any other use of the printer is prohibited, and any consequences shall be under the entire responsibility of the user.

Consumables (inks, additives, cleaning products, servicing products) not produced by Imaje must not be used, and any consequences shall be under the entire responsibility of the user.

Other types of Imaje consumables should not be used without Imaje's written approval, and any consequences shall be under the entire responsibility of the user.

Handling

When the printer contains consumables, it should not be tilted and should only be moved vertically.

Totally drain the printer before moving it to a non-vertical position.

The printer should be moved using the handles provided.

Preliminary instructions



Servicing

Disconnect the printer from the mains before any operations requiring components to be removed or exchanged.

Use appropriate tools for any work on the electrical and hydraulic circuits.

After each maintenance operation, the recipients used should be emptied and cleaned. Do not leave rags soaked with consumables near the printer.

We recommend that the interventions be carried out by persons who have been given the technical training proposed by Imaje.

How to use this catalog



Parts that may be ordered are shown in a parts list containing the following:

- identification of the part in the drawing,
- Image reference,
- description with, the suppliable quantity in parentheses and annotations about the function and other features,

The accompanying drawing shows an exploded view of the parts concerned.

Non-listed parts cannot be ordered and are not included in the parts list, they are included in the drawing in order to provide complete information on the assembly.

Part Exchange Program

Replacement parts are available under the IMAJE Part Exchange Program.

These are reconditioned parts, all worn or damaged parts have been replaced.

These parts are identified in the catalog by a specific reference prefixed ENR, e.g.:

	Part number
New Part	ENM5491
Replacement Part	ENR5491

Replacement parts are available under the following conditions:

- a reconditioned part contains recycled components,
- a defective original part is returned to IMAJE and becomes the property of IMAJE,
- the defective original part has not been modified or damaged and no component has been removed,
- proper use has been made of the defective original part and the maintenance instructions have been complied with,
- cleaning and draining procedures for the defective original part have been followed.

Differences between S7 printers

The name of the printer's type is written at the top of the control panel.

- S7 PRIMA:** New-generation printer for simple coding applications.
- S7 SIGMA:** New-generation printer for industrial marking at standard speed.
- S7 MEGA:** New-generation printer for enhanced marking applications.
- S7 SUPRA:** New-generation printer for maximum versatility.



How to use this catalog



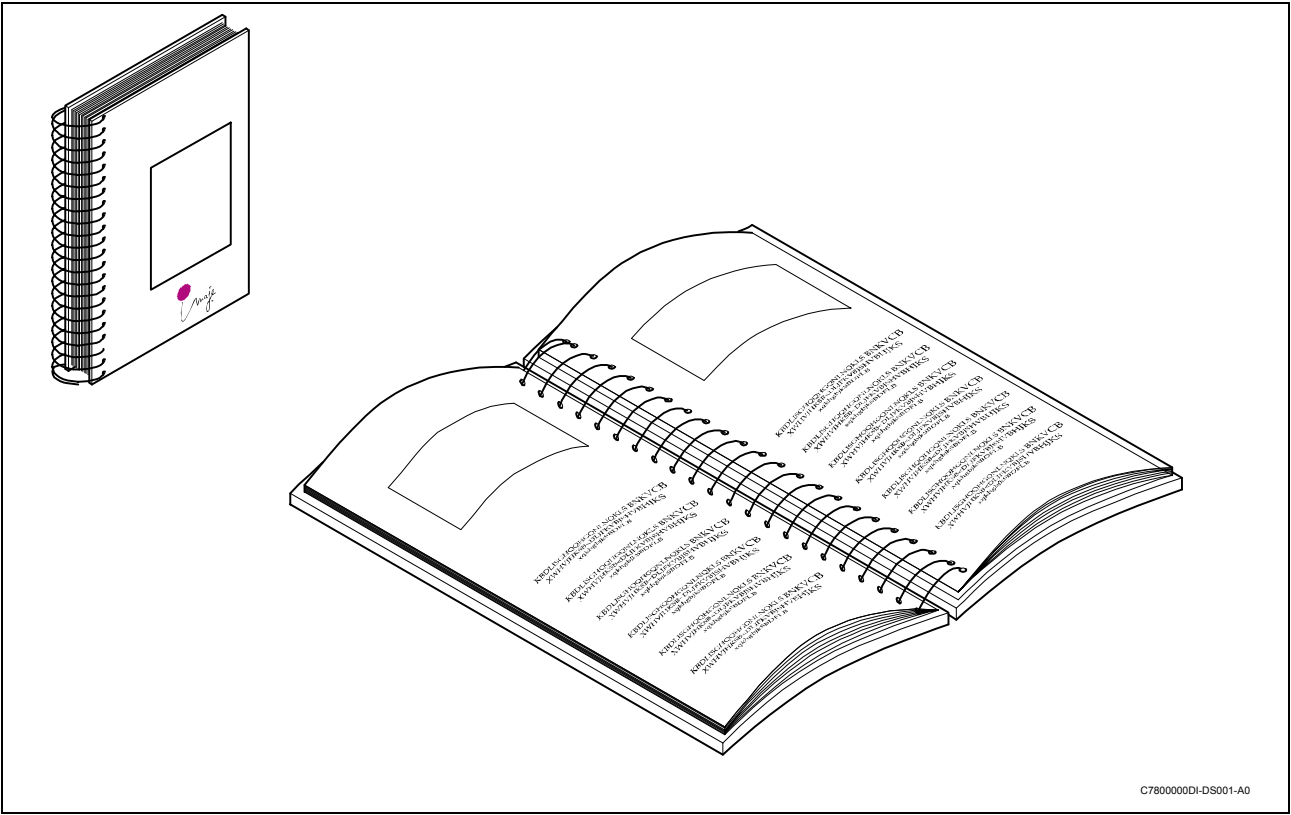
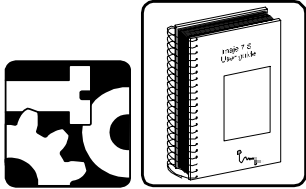
How to order

Orders may be sent by mail, fax or telephone. Written confirmation is required in the case of telephone orders.

To order parts, contact the IMAJE representative.

The following information should be shown on orders for replacement parts:

- part reference number,
- description,
- quantity required,
- required delivery date,
- delivery instructions,
- purchase order number.



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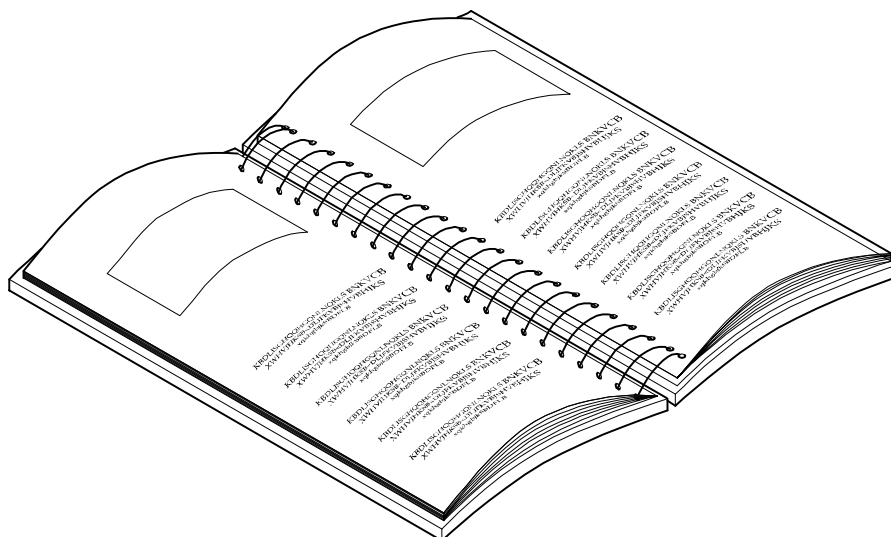
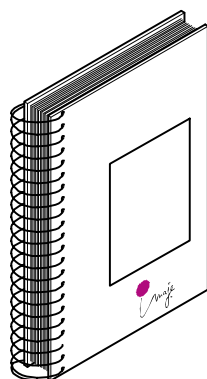
Item **Description**

Catalog: accessories, spare parts

A19621	Catalog - S7 Range - French
A19622	Catalog - S7 Range - English
A19623	Catalog - S7 Range - American
A19624	Catalog - S7 Range - German
A19627	Catalog - S7 Range - Spanish
A19629	Catalog - S7 Range - Italian
A19630	Catalog - S7 Range - Portuguese

Printer manual : S7 SIGMA, S7 MEGA, S7 SUPRA

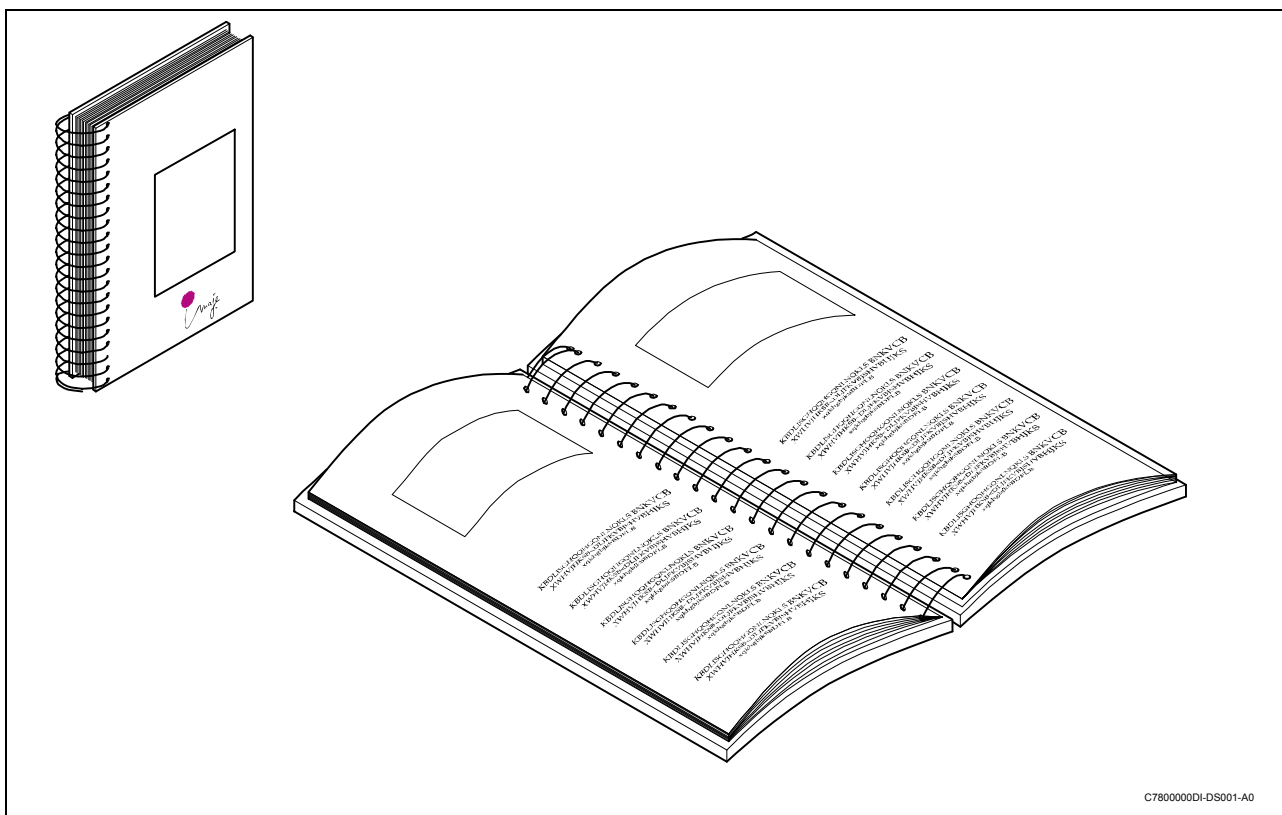
A19619	Printer manual - French
A19620	Printer manual - English
A19762	Printer manual - Chinese
A19763	Printer manual - Taiwanese
A19766	Printer manual - German
A19767	Printer manual - Spanish
A19768	Printer manual - Italian
A19997	Printer manual - American
A19998	Printer manual - Japanese
A20136	Printer manual - Portuguese



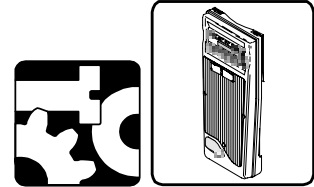
C7800000DI-DS001-A0

Item	Description
Quick guide for printer : S7 SIGMA, S7 MEGA, S7 SUPRA	

A18786	Quick guide - French
A18787	Quick guide - English
A18789	Quick guide - Chinese
A18790	Quick guide - Korean
A18793	Quick guide - Arabic
A19484	Quick guide - Hebrew
A19747	Quick guide - German
A19748	Quick guide - Italian
A19749	Quick guide - Spanish
A19750	Quick guide - Portuguese
A19751	Quick guide - Brazilian
A19752	Quick guide - Dutch
A19753	Quick guide - Swedish
A19754	Quick guide - Norwegian
A19755	Quick guide - Danish
A19756	Quick guide - Japanese
A19761	Quick guide - Russian
A20384	Quick guide - Taiwanese
A20779	Quick guide - Polish
A20780	Quick guide - Hungarian
A20781	Quick guide - Czech
A23962	Quick guide - Thai
A27022	Quick guide - Croatian
A27023	Quick guide - Slovenian
A27019	Quick guide - Finnish
A27020	Quick guide - Greek

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Command module



For S7 PRIMA printer

Below is the list of languages available for an S7 PRIMA printer.

Command module - Standard

German	English	Spanish
French	Italian	Portuguese
Polish	Hungarian	Czech

Command module - Basic (Japan)

Japanese	French	German
Spanish	English	Italian

For printers S7 SIGMA, S7 MEGA and S7 SUPRA

Below is the list of languages available for the various control panels.

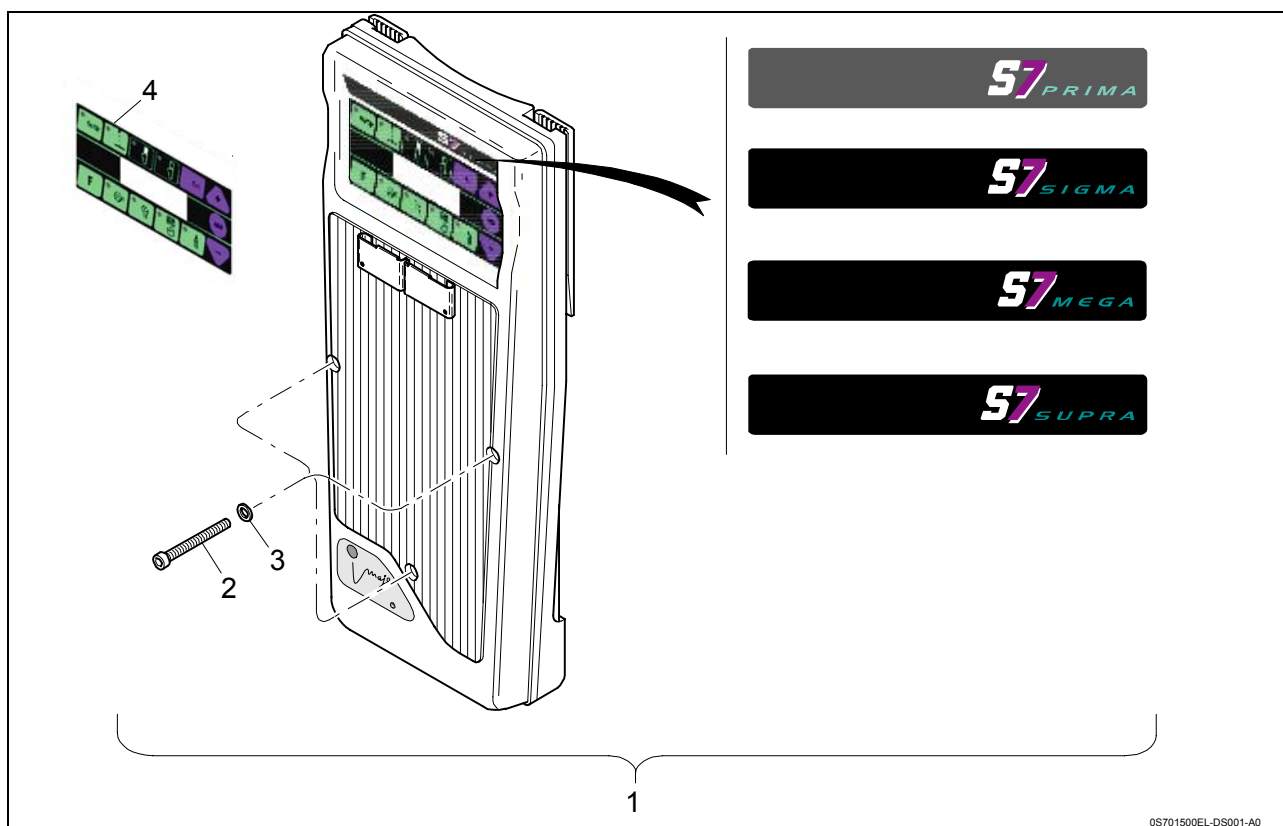
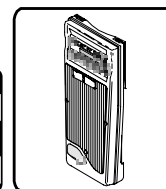
Command module - Latin

German	English	Brazilian
Danish	Spanish	French
Dutch	Hungarian	Italian
Norwegian	Portuguese	Polish
Swedish	Czech	Greek
Finnish	Croatian	Slovenian

Command module - Non Latin

English	Arabic	Chinese
Korean	French	Hebrew
Japanese	Russian	Thai

Command module



0S701500EL-DS001-A0

Item	Part number	Description
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For S7 PRIMA printer

1	ENM18763 (ENR18763*)	Command module - single jet - Standard
1	ENM23989 (ENR23989*)	Command module - single jet - Basic (Japan)
4	ENM15978	Keyboard - operator interface - S7 Prima

For S7 SIGMA, S7 MEGA printer

1	ENM19691 (ENR19691*)	Command module - single jet - Latin
1	ENM19693 (ENR19693*)	Command module - single jet - no Latin
4	ENM18582	Keyboard - operator interface - S7 Sigma, S7 Mega

For S7 SUPRA printer

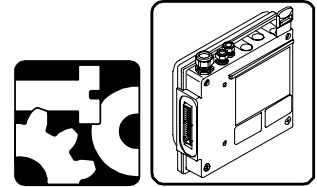
1	ENM19691 (ENR19691*)	Command module - single jet - Latin
1	ENM19693 (ENR19693*)	Command module - single jet - no Latin
1	ENM19692 (ENR19692*)	Command module - twinjet - Latin
1	ENM19694 (ENR19694*)	Command module - twinjet - no Latin
4	ENM18582	Keyboard - operator interface - S7 Supra

2		Screw - stainless steel - M4x55
3	ENM5712	Seal (x20) - o'ring - 4x1

* See Part Exchange Program in « How to use this catalog »

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Cassette



Industrial Interface Cassette

The Industrial Interface Cassette enables external connections: cell, shaft encoder, external alarm, etc.

Depending on the printer type it also makes it possible to make such connections as reverse message direction, parallel interface, programmable print-out, etc.

Extension Cassette

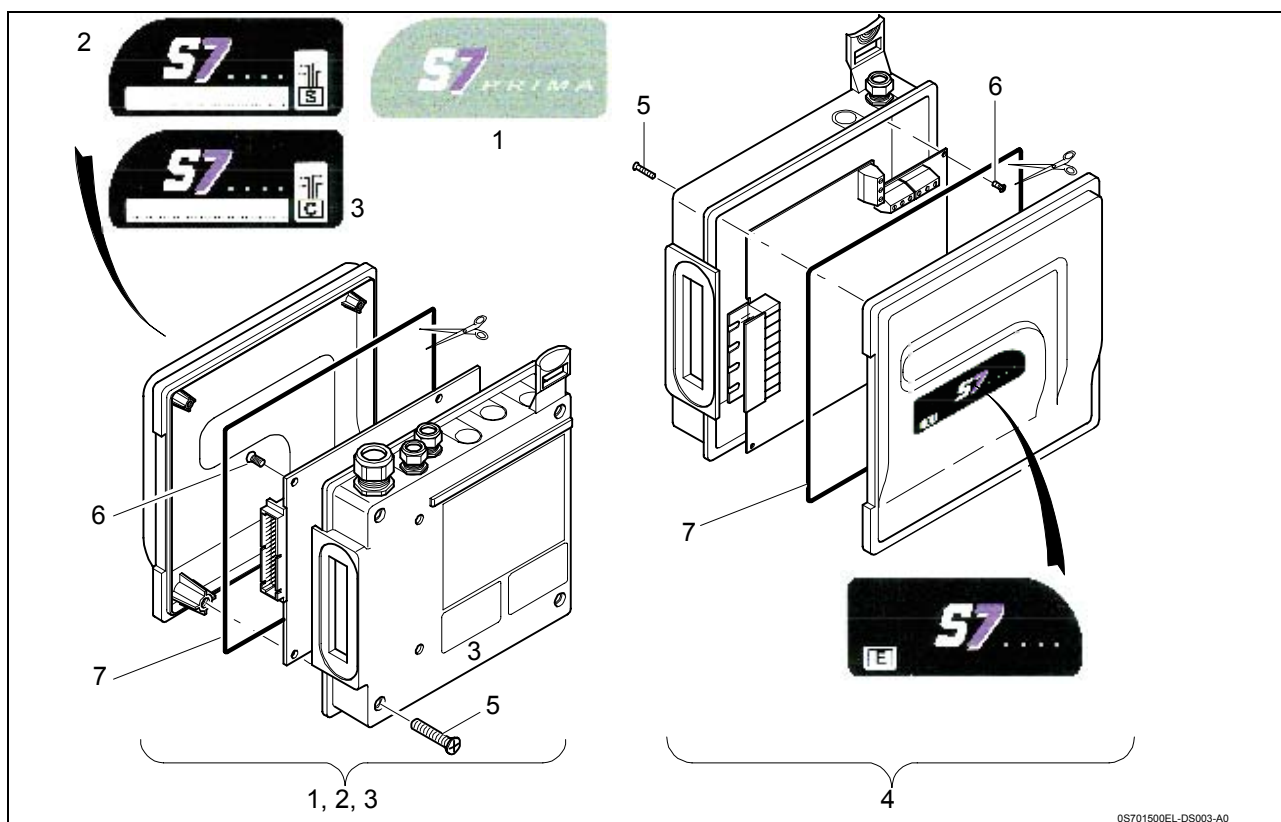
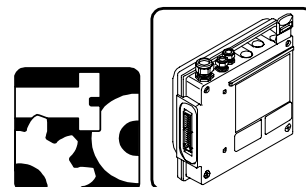
For printers S7 MEGA and S7 SUPRA

The Extension Cassette extends the printer's possibilities. (other character types, printing speed, CurvePrint (curved mode), use of additional options).

It can also be used to back up the message library on the control panel. The backup can be entered into another printer with the same configuration.

The cassette can be used to pilot the printer with a calculator or PC via an RS232C or RS422 series link.

Cassette

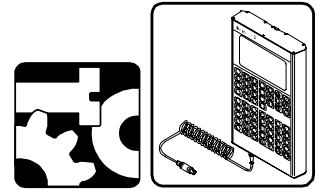


0S701500EL-DS003-A0

Item	Part number	Description
For S7 PRIMA printer		
1	A16230	Cassette - Industrial Interface - S7 PRIMA / L.E
For S7 SIGMA printer		
2	A13069	Cassette - Industrial Interface - simple
For S7 MEGA printer		
2	A13069	Cassette - Industrial Interface - simple
4	A19686	Cassette - Extension - RS232, current loop
4	A13073	Cassette - Extension - blank - RS232, current loop
4	A23986	Cassette - Extension - standard - RS232, RS422
4	A23987	Cassette - Extension - CurvePrint - RS232, RS422
4	A20817	Cassette - Extension - Blank - RS232, RS422
For S7 SUPRA printer		
3	A13071	Cassette - Industrial Interface - complete
4	A19686	Cassette - Extension - RS232, current loop
4	A13073	Cassette - Extension - blank - RS232, current loop
4	A23986	Cassette - Extension - standard - RS232, RS422
4	A23987	Cassette - Extension - CurvePrint - RS232, RS422
4	A20817	Cassette - Extension - Blank - RS232, RS422
Fasteners		
5	ENM7630	Screw (x10)
6	ENM7631	Screw (x10)
7	ENM6181	Seal (x5m)

Hand held terminal

S7 Sigma, S7 Mega, S7 Supra



Below is the list of languages available for the various terminals.

Hand held terminal - Northern Europe

English	German	Danish
Dutch	Norwegian	Swedish
French		

Hand held terminal - Southern Europe

Spanish	French	Italian
Portuguese	Brazilian	English
Greek		

Hand held terminal - Eastern Europe

German	French	Hungarian
Polish	Russian	Czech
English		

Hand held terminal - Korean and Japanese

Korean	Japanese	English
French		

Hand held terminal - Chinese

Chinese	English	French
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Hand held terminal - Arabic

Arabic	English	French
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Hand held terminal - Hebrew

Hebrew	English	French
Arabic	Russian	

Hand held terminal - Thai

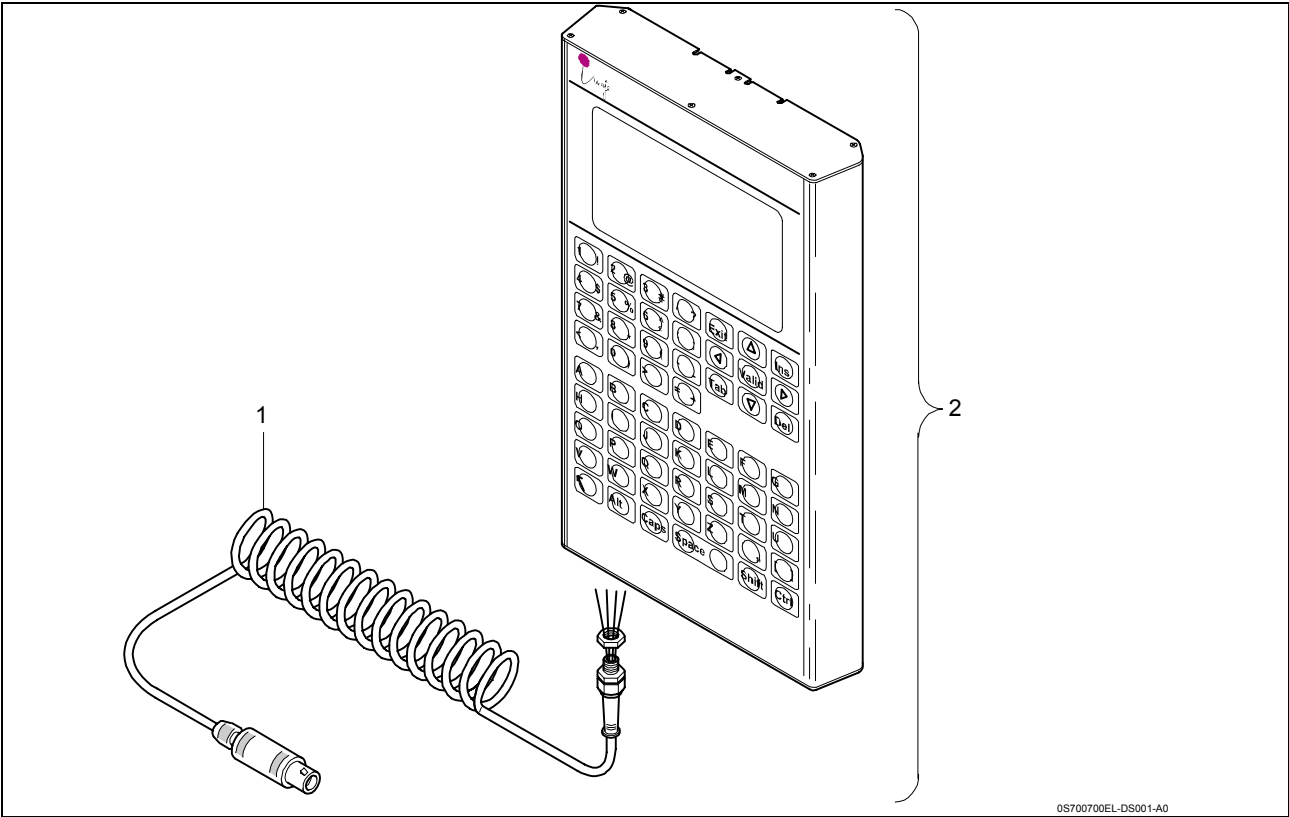
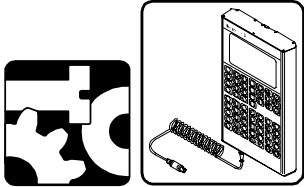
Thai	English	French
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Hand held terminal - Miscellaneous Europe

Finnish	Croatian	Slovenian
English	French	

Hand held terminal

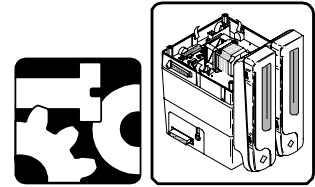
S7 Sigma, S7 Mega, S7 Supra



OS700700EL-DS001-A0

Item	Part number	Description
1	A16140	Cable
For printers S7 Sigma, S7 Mega, S7 Supra		
2	A19687	Hand held terminal - Northern Europe
2	A19688	Hand held terminal - Southern Europe
2	A19689	Hand held terminal - Eastern Europe
2	A19690	Hand held terminal - Japanese / Korean
2	A19831	Hand held terminal - Chinese
2	A19832	Hand held terminal - Arabic
2	A23984	Hand held terminal - Hebrew
2	A23993	Hand held terminal - Thai
2	A18684	Hand held terminal - Korean / Hebrew
2	A27392	Hand held terminal - Miscellaneous Europe

Ink module and cartridge holder



Ink module

Each ink module uses a different type of ink.

It is highly inadvisable to change a printer's ink type.

When an ink module has been used with one type of ink, it is not advisable to use it with another type of ink.

What ink module should I order for the ink my printer uses?

The ink specifications indicate the reference of the ink module that you should order. This sheet, SP xxxx (xxxx being the ink reference), is available from your Imaje representative.

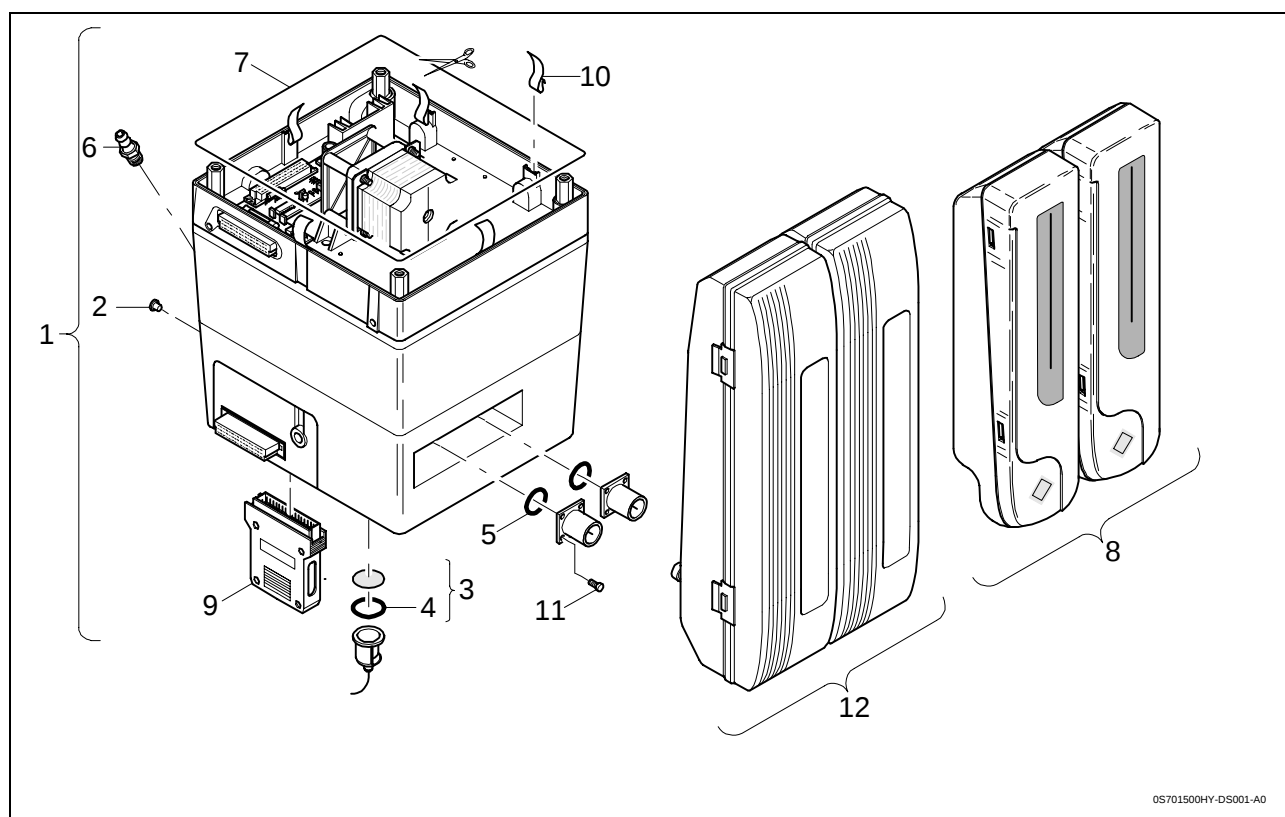
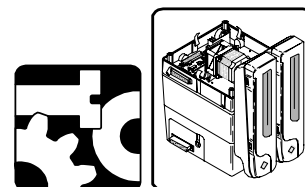
For the most commonly used inks, the table opposite shows which ink module you should buy for the ink your printer uses.

Cartridge holder

Large capacity cartridges

For the most commonly used inks, large capacity cartridges that will increase your printer's autonomy are now available.

Ink module and cartridge holder



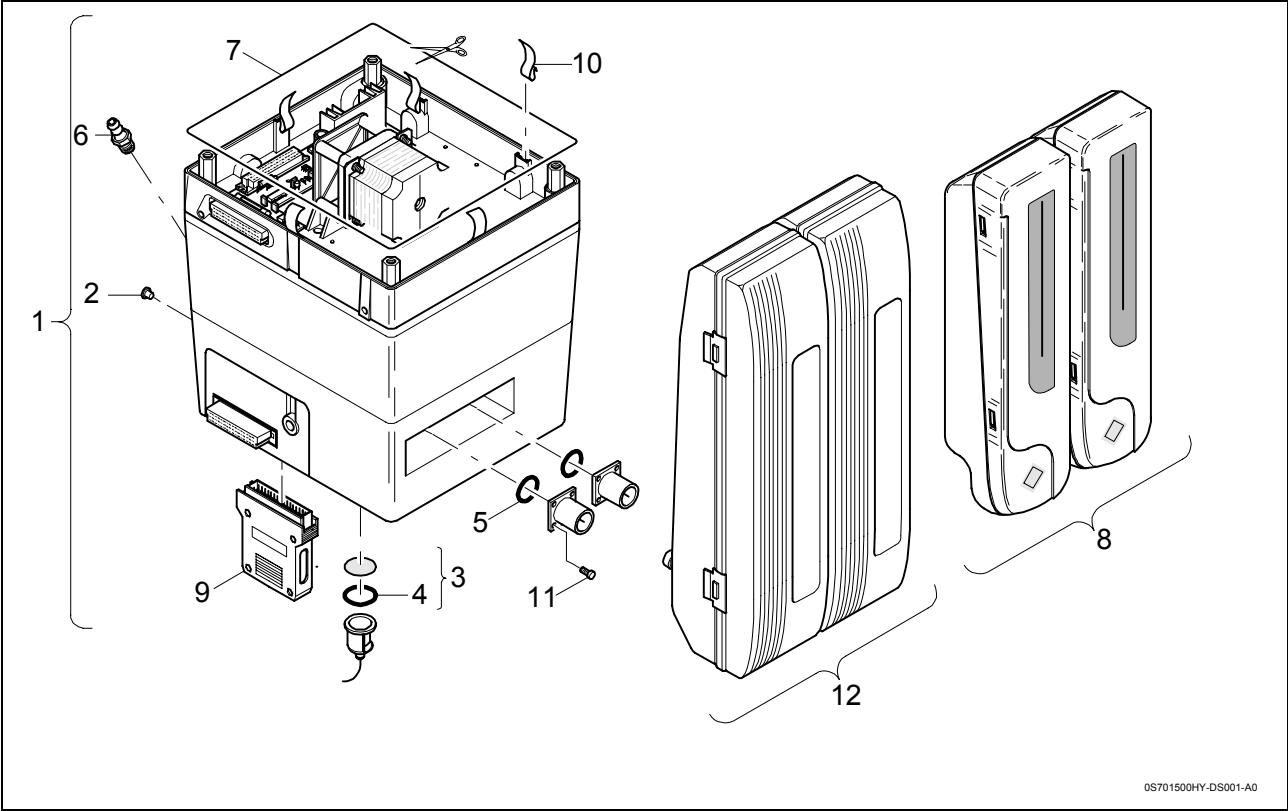
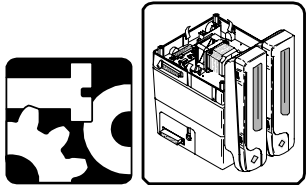
05701500HY-DS001-A0

Item	Part number	Description
With inks 7135E, 7155E, 7510, 9154E, 9155E, 9510, 9536		
1	ENM5491 (ENR5491*)	Ink module - E1 type - R6S7 - (printer before 01/03)
1	ENM27359 (ENR27359*)	Ink module - E1 type - R7S7 - (printer after 01/03)
With ink 9550		
1	ENM13489 (ENR13489*)	Ink module - C2 type - R6S7 - (printer before 01/03)
1	ENM27359 (ENR27359*)	Ink module - E1 type - R7S7 - (printer after 01/03)
With ink 9558		
1	ENM13489 (ENR13489*)	Ink module - C2 type - R6S7 - (printer before 01/03)
1	ENM27360 (ENR27360*)	Ink module - C2 type - R7S7 - (printer after 01/03)
With inks 7702, 9702		
1	ENM7233 (ENR7233*)	Ink module - C7 type - R6S7 - (printer before 01/03)
1	ENM27361 (ENR27361*)	Ink module - C7 type - R7S7 - (printer after 01/03)

NOTE: When ordering an ink module, please indicate the reference of the ink your printer uses.

* See Part Exchange Program in « How to use this catalog » 

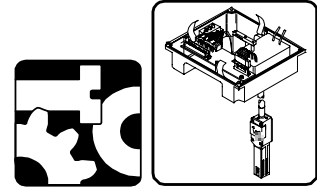
Ink module and cartridge holder



0S701500HY-DS001-A0

Item	Part number	Description
2	ENM6182	Plug (x20)
3	ENM17673	Grid - filtred 14 µm - with seals
4	ENM5713	Seal (x5) - o'ring - 23x2.5
5	ENM5836	Seal (x10) - o'ring - 18.72x2.62
6	A16561	Filtered connection - For E1 type ink module
7	ENM6181	Seal (x5m)
8	A19897	Cartridge holder(x2) - small capacity
9	EN6228	Printing module simulator (ink circuit draining)
10	ST5152	Clip - electrical continuity
11	ENM7608	Screw (x20)
12	A19384	Cartridge holder(x2) - large capacity

Print module



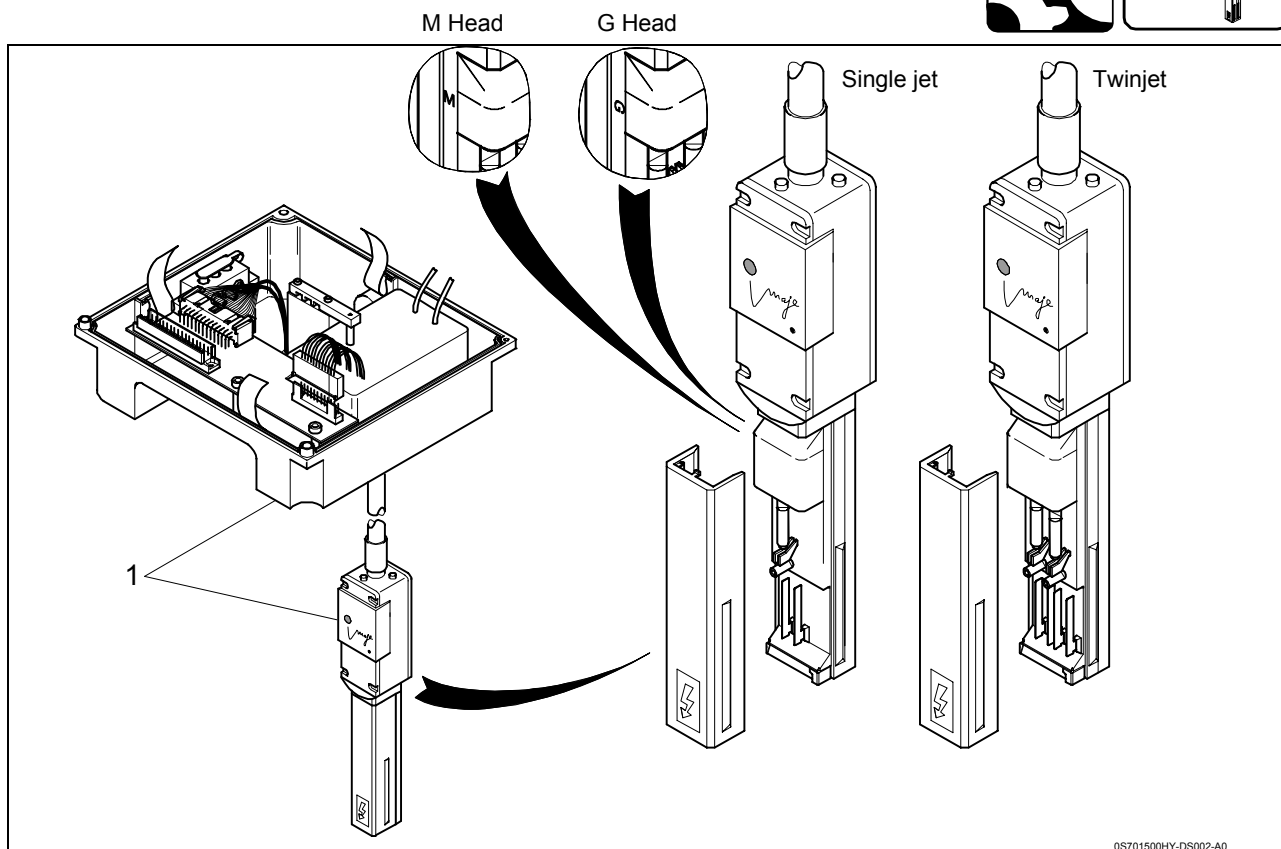
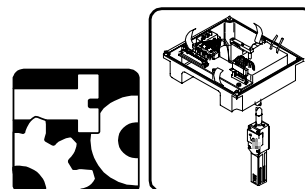
Note

It is highly inadvisable to change a printer's ink types.
When an ink module has been used with one type of ink, it is not advisable to use it with another type of ink.

What print module should I order for my ink?

The ink specifications sheet gives the reference of the print module you should order.
This sheet, SP xxxx (xxxx being the ink reference), is available from your Imaje representative.
For the most commonly used inks, the table opposite gives the print module you should order for the ink your printer uses.

Print module



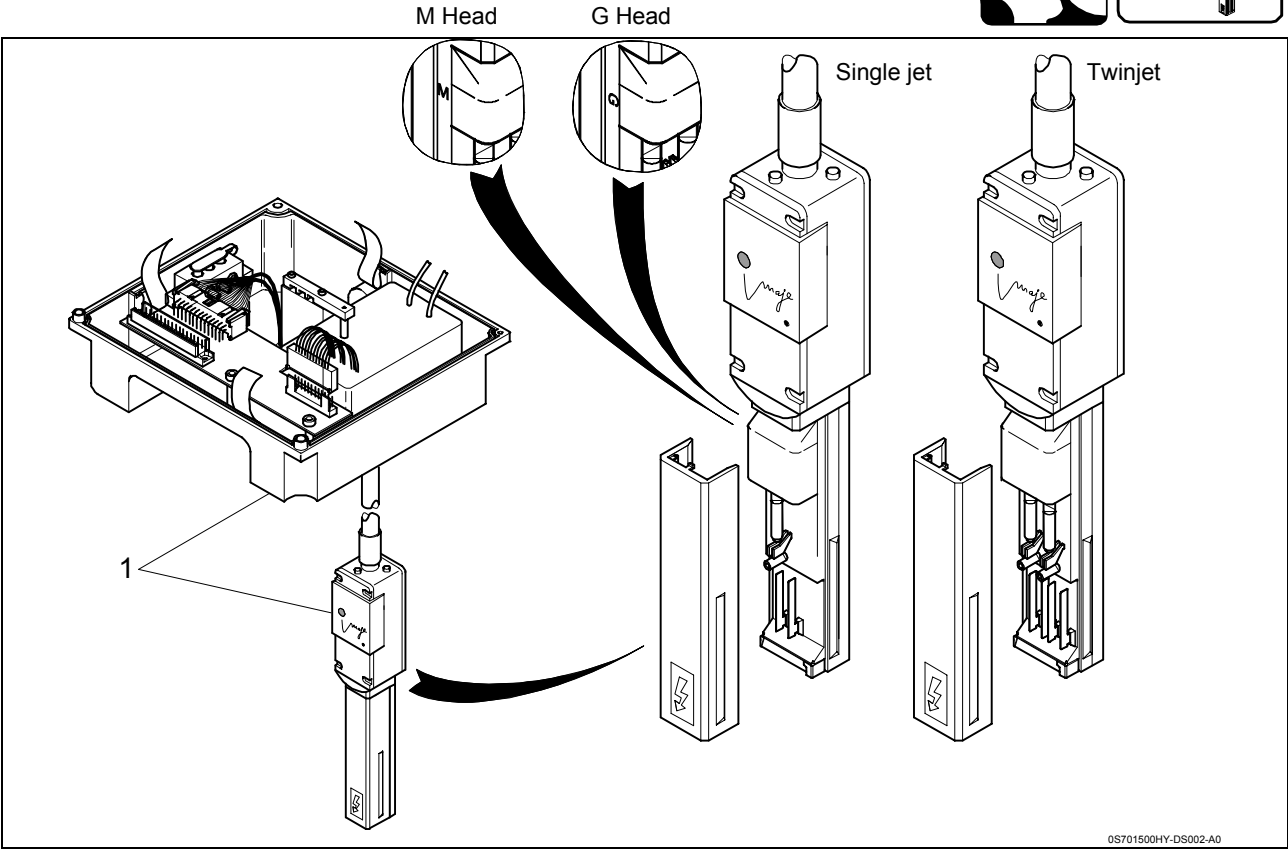
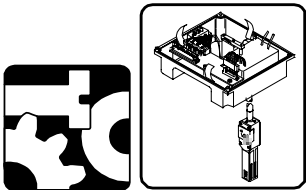
OS701500HY-DS002-A0

Item	Part number	Description
With inks 7135E, 7155E, 7510, 9154E, 9155E, 9510, 9536, 9550		
1	ENM16101 (ENR16101*)	Print module - G head - Single jet - S type - R6S7 (printer before 01/03)
1	ENM27362 (ENR27362*)	Print module - G head - Single jet - S type - R7S7 (printer after 01/03)
1	ENM5157 (ENR5157*)	Print module - M head - Single jet - S type - R6S7 (printer before 01/03)
1	ENM27368 (ENR27368*)	Print module - M head - Single jet - S type - R7S7 (printer after 01/03)
1	ENM16100 (ENR16100*)	Print module - G head - Twinjet - S type - R6S7 (printer before 01/03)
1	ENM27365 (ENR27365*)	Print module - G head - Twinjet - S type - R7S7 (printer after 01/03)
1	ENM5156 (ENR5156*)	Print module - M head - Twinjet - S type - R6S7 (printer before 01/03)
1	ENM27371 (ENR27371*)	Print module - M head - Twinjet - S type - R7S7 (printer after 01/03)
With inks 9558		
1	ENM27364 (ENR27364*)	Print module - G head - Single jet - T type - R7S7 (printer after 01/03)

NOTE: When ordering a print module, please indicate the reference of the ink your printer uses.

* See Part Exchange Program in « How to use this catalog »

Print module



0S701500HY-DS002-A0

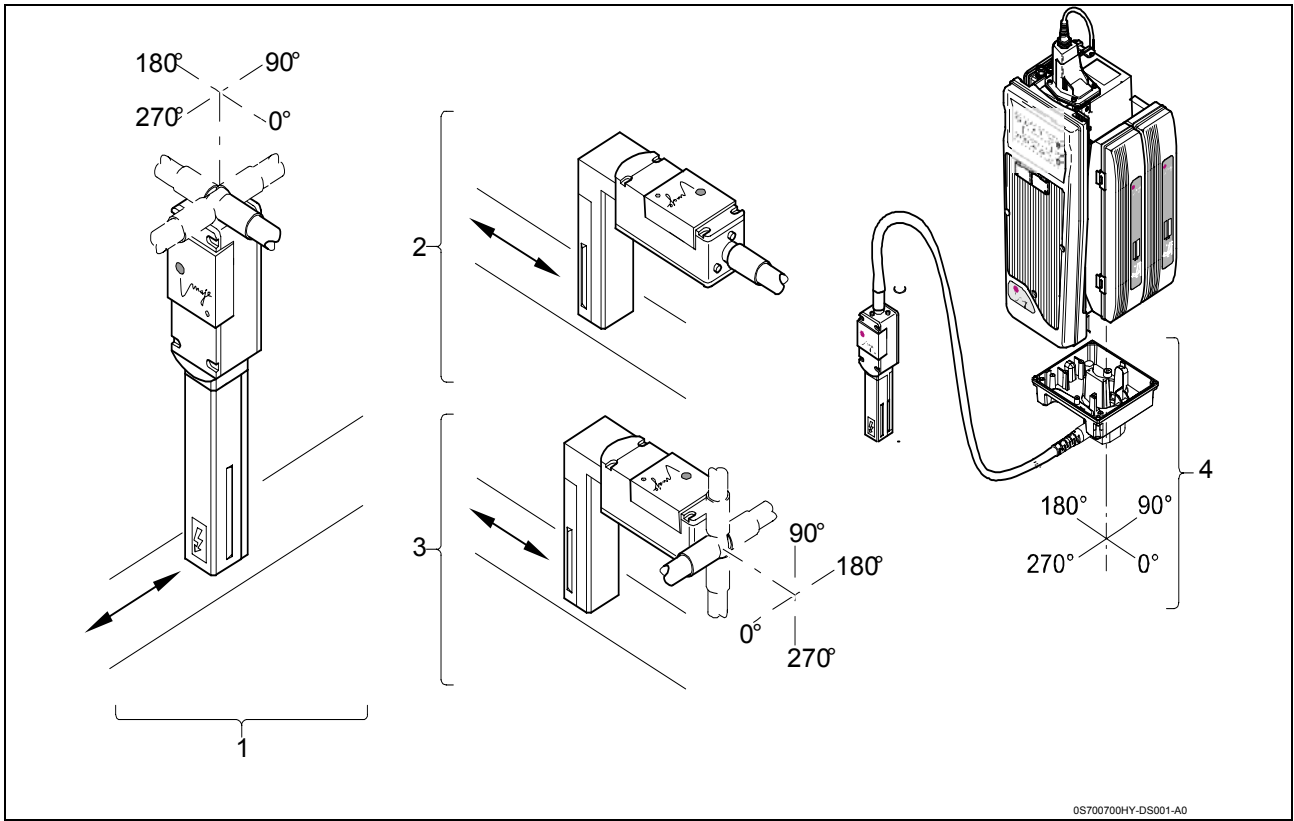
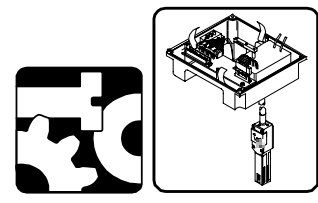
Item	Part number	Description
With ink 7702, 9702		
1	ENM16133 (ENR16133*)	Print module - G head - Single jet - W type - R6S7 (printer before 01/03)
1	ENM27363 (ENR27363*)	Print module - G head - Single jet - W type - R7S7 (printer after 01/03)
1	ENM7813	Print module - M head - Single jet - W type - R6S7 (printer before 01/03)
1	ENM27369 (ENR27369*)	Print module - M head - Single jet - W type - R7S7 (printer after 01/03)
1	ENM16134 (ENR16134*)	Print module - G head - Twinjet - W type - R6S7 (printer before 01/03)
1	ENM27366 (ENR27366*)	Print module - G head - Twinjet - W type - R7S7 (printer after 01/03)
1	ENM7814	Print module - M head - Twinjet - W type - R6S7 (printer before 01/03)
1	ENM27372 (ENR27372*)	Print module - M head - Twinjet - W type - R7S7 (printer after 01/03)

NOTE: When ordering a print module, please indicate the reference of the ink your printer uses.

* See Part Exchange Program in « How to use this catalog »

Print module

Options for printers S7 Sigma, S7 Mega, S7 Supra



Item	Part number	Description
1	EN6268 •	Option - Straight head and angled conduit
2	EN6266	Option - Angled head
3	EN6268 + EN6266 •	Option - Angled head and angled conduit
4	A25565 •	Option - Angled under printer - (availability in 2003)

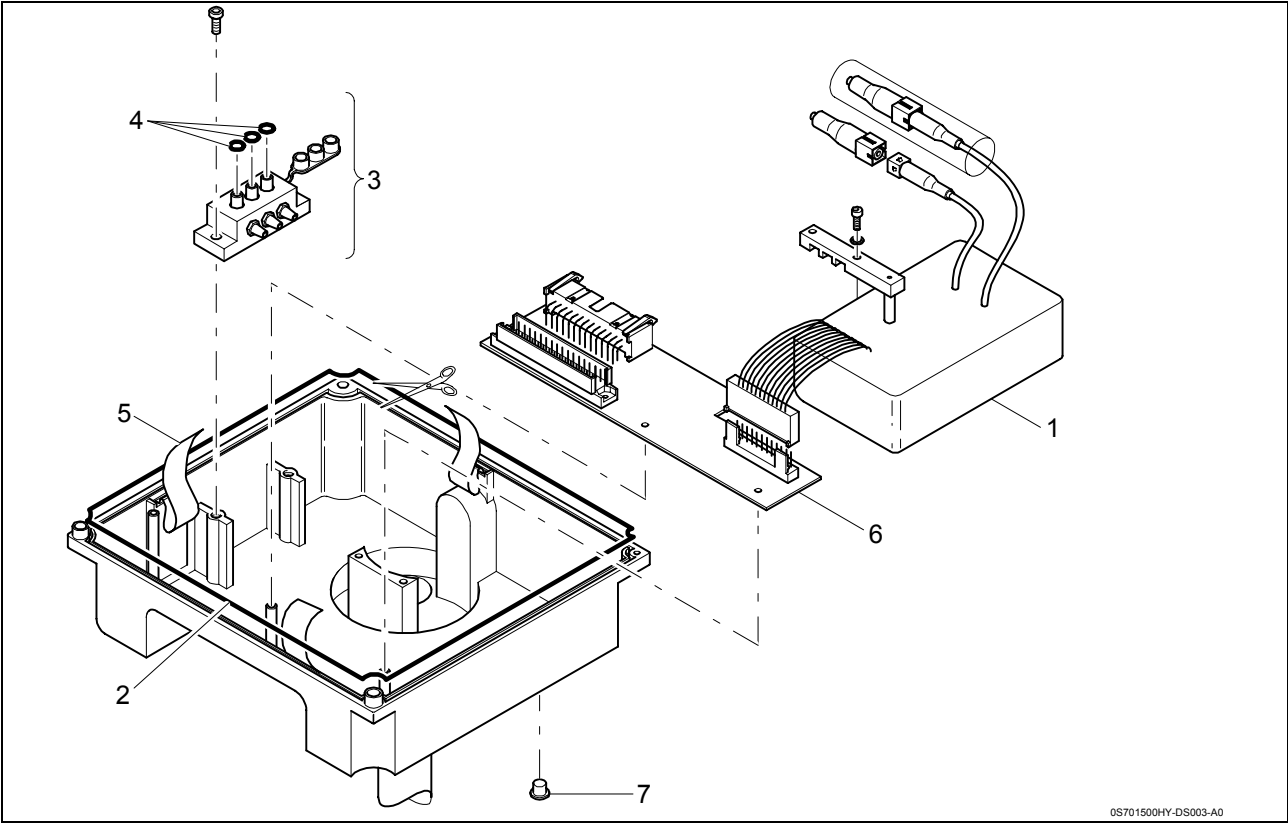
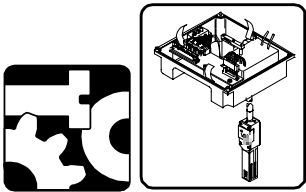
• specify the conduit angle: 0°, 90°, 180° or 270°

Options should be ordered at the same time as the print module.



Print module

Base

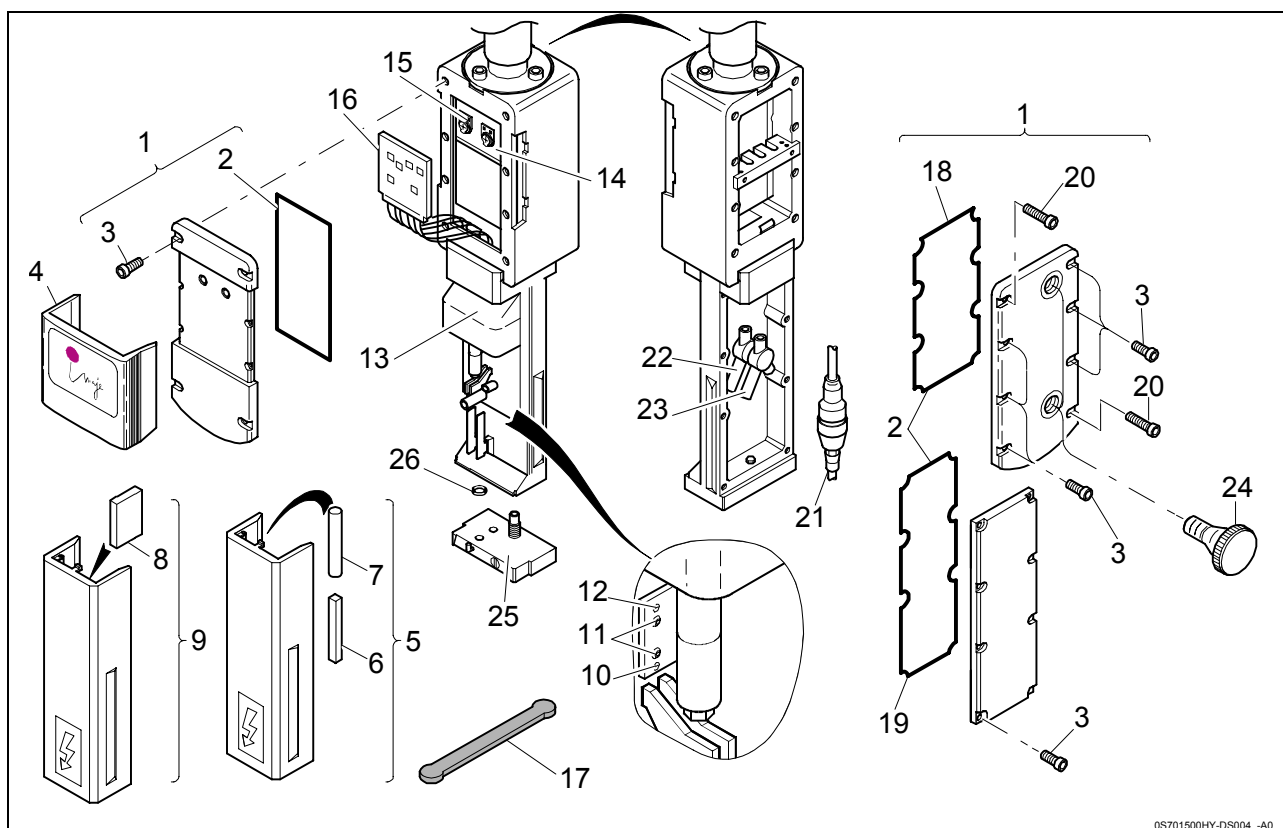
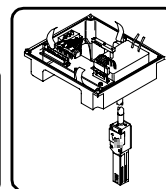


0S701500HY-DS003-A0

Item	Part number	Description
1	ENM10298	EHT block kit
2	ENM6181	Seal (x 5m)
3	ENM5500	Hydraulic collector - Ø 2.7 - R6S7 (printer before 01/03)
3	ENM25802	Hydraulic collector - Ø 3.2 - R7S7 (printer after 01/03)
4	ENM4263	Seal (x 5) - o'ring - 3x1.8
5	ST5152	Clip - electrical continuity
6	ENM14417	Board - head connection
7	ENM6182	Plug (x 20)

Print module

Head



0S701500HY-DS004 -A0

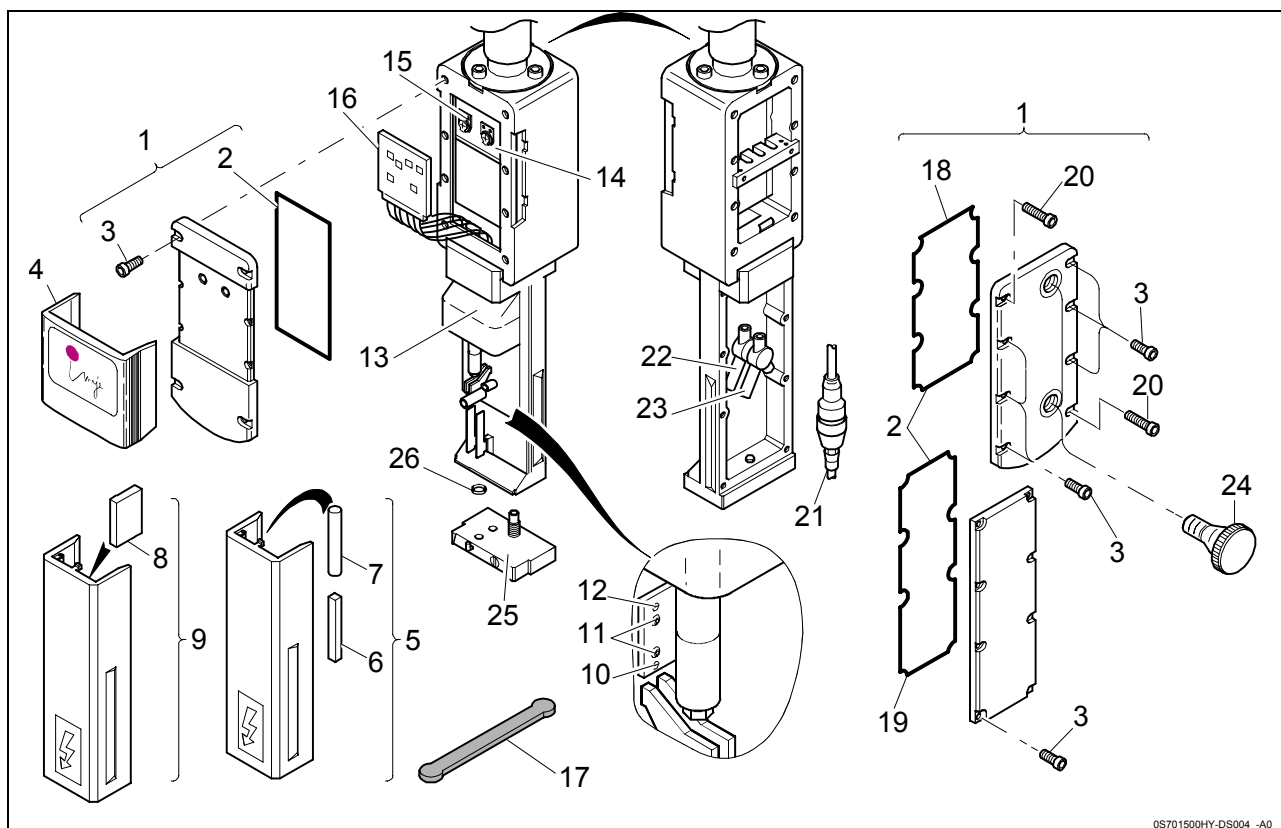
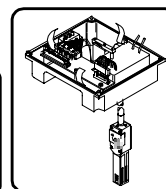
Item	Part number	Description
1	ENM6180	Fitted cover (front cover + 2 rear covers, seals and screws)
2	ENM6179	Seal (set of 3)
3	ENM6588	Screw (x 20)
4	ENM10251	Top cover
5	ENM5257	Head cover - for split electrode
6	ENM6577	Magnet (x 10) - square section
7	ENM6930	Magnet (x 10) - cylindrical
8	ENM16713	Magnet - square - 10x10
9	ENM15885	Head cover - G head - head with flat electrode
9	ENM15886	Head cover - M head - head with flat electrode
10	ENM5671	Cam (x10) - cannon centering
11	ENM5678	Screw (x10) - cannon support
12	ENM5670	Cam (x10) - cannon orientation
13	ENM6405	Protector - resonator
14	ENM6004	Board - resonator supply - G and M heads
15	ENM50145	Potentiometer (x5)
16	ENM6007	Board - phase detection amplification
17	ENM17357	Protector - anti-clogging (x3) - G head



COMPRESS

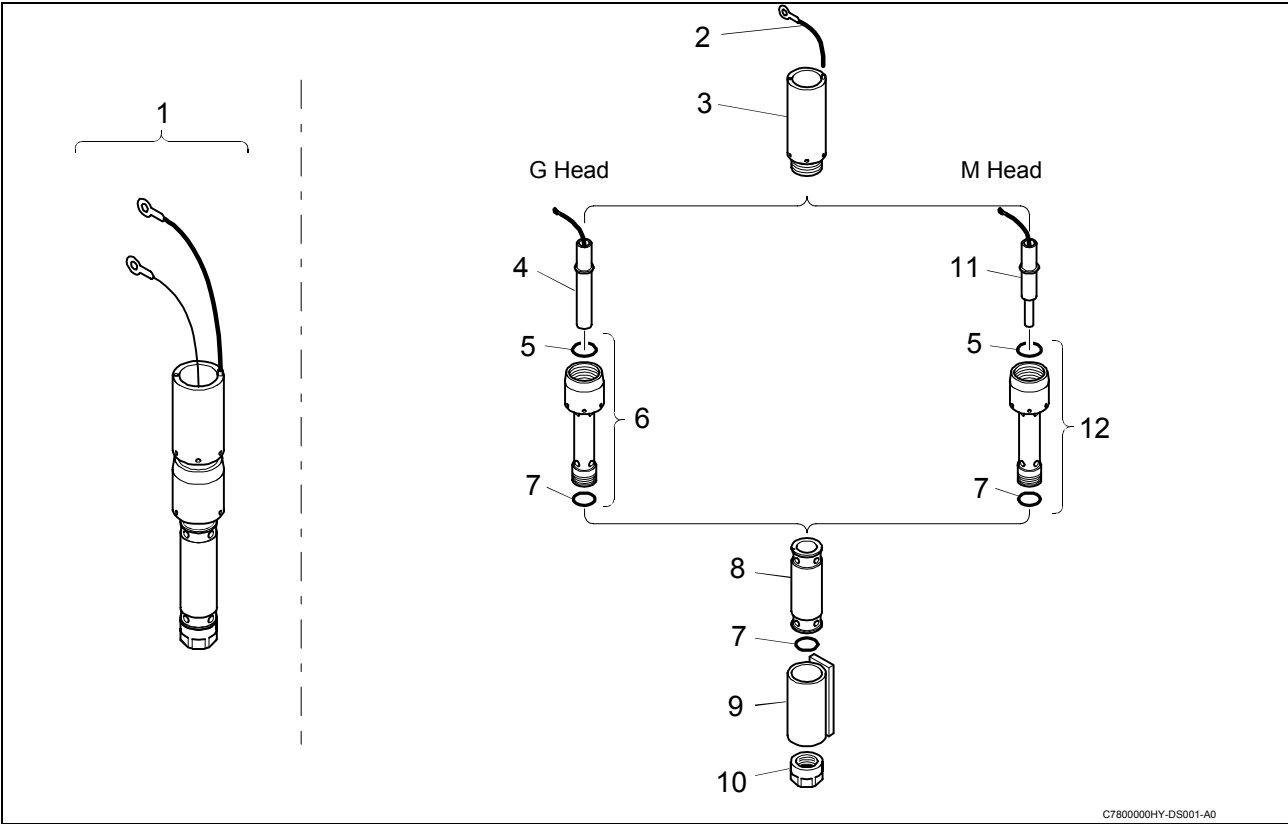
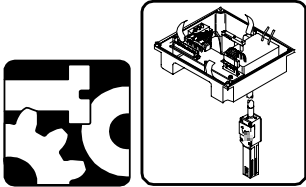
Print module

Head



OS701500HY-DS004 -A0

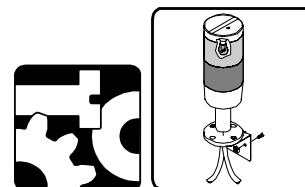
Item	Part number	Description
17	ENM17358	Protector - anti-clogging (x3) - M head
18	ENM6061	Seal (x10)- upper back cover
19	ENM5909	Seal (x10) - lower back cover
20	ENM4345	Screw (x20) - stainless steel - CHc M2x8
21	ENM13727	One way valve - R6S7 (printer before 01/03)
21	ENM25677	One way valve - R7S7 (printer after 01/03)
22	ENM5830	Tube (x10m) - white / red - 1.1x1.9
23	ENM5831	Tube (x10m) - white / blue - 1.1x1.9
24	ENM6206	Screw (x10) - knurled - aluminium - M6
25	ENM5263	Gutter block - single jet
25	ENM5261	Gutter block - twinjet
26	ENM5673	Seal - o'ring - 3.2x0.5
	ENM7802	Tube (x 3 m) - Teflon - 2.7 x 4



Item	Part number	Description
1	ENM18245	Modulation assembly - G head
1	ENM6533	Modulation assembly - M head
2	ENM6540	Ground (x10) - resonator
3	ENM13870	Nut - resonator
4	ENM7242	Resonator - G head
5	ENM5673	Seal (x10) - o'ring - 3.2x0.5
6	ENM14431	Cannon - G head
7	ENM5672	Seal (x10) - cannon
8	ENM5676	Spacer
9	ENM5675	Cannon holder
10	ENM14433	Nut - cannon - hexagonal
11	ENM5192	Resonator - M head
12	ENM6224	Cannon - Single jet - M head
12	ENM6223	Cannon (x2) - matched - twinjet - M head

Accessories

Stand and bracket



Basic stand

Description

The basic printer stand has been designed to hold the print head in either a vertical or horizontal position for production or servicing.

The maintenance tray is used for easily cleaning or working on the head.

The stand consists of extra-rigid anodized aluminum sections.

The stand can be configured and adjusted in most any way required.

The design of the stand is appropriate for various environments.

Selection Criteria (options)

Specialized mounting brackets and other accessories:

- Adjustable 1 or 2 axis head bracket
- Retractable head bracket
- Head protection for harsh environments (water, dust, moisture, impact and interference)
- Head pressurization kit
- Marking table
- Air blade for drying the substrate before printing or the ink after printing
- Photocell and alarm

There is also a wall mount stand for head servicing.

Installation

For safety reasons, the printer must be grounded. Use only original parts to ground it.

The stand is adjustable and easy to install.

Reinforced stand

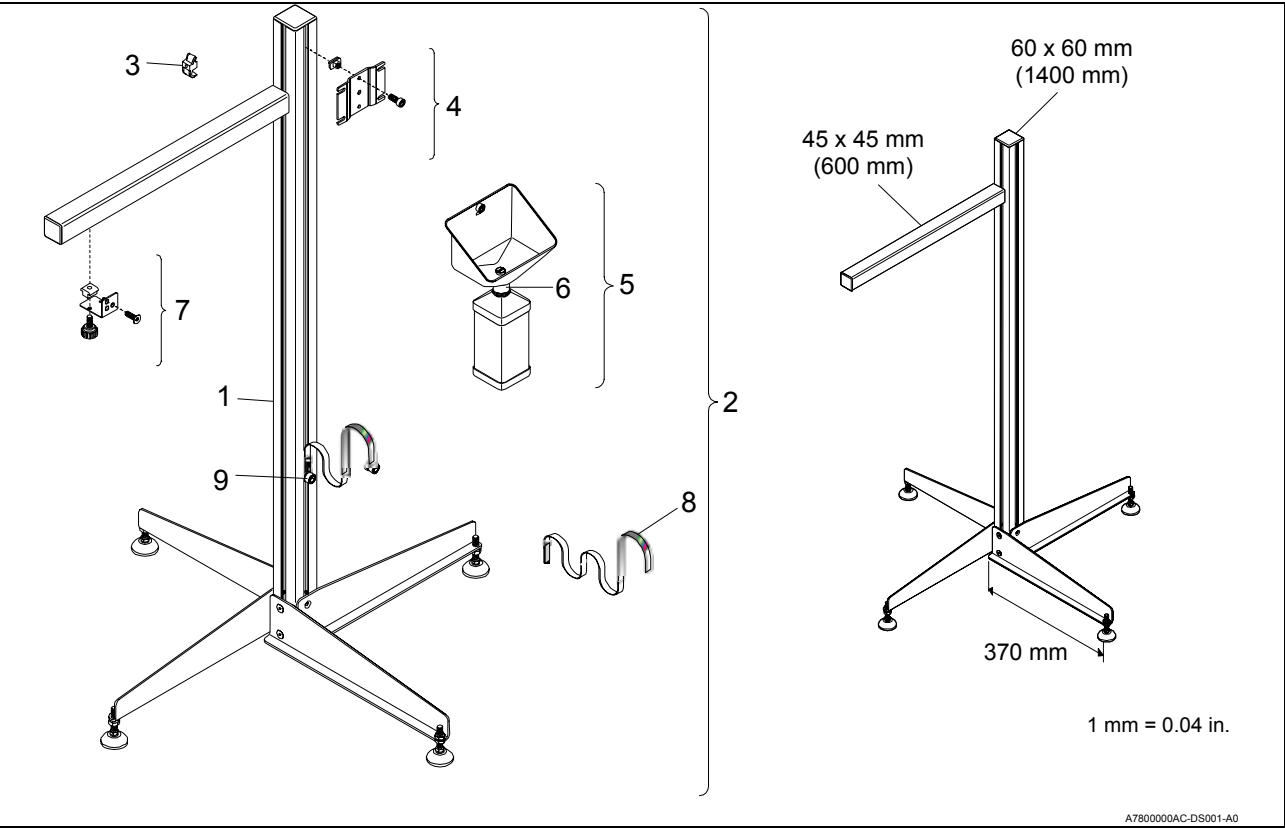
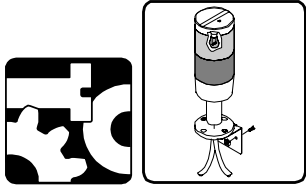
This stand was designed especially for multi-head printers and situations requiring exact positioning of the marking. For example: graphics application.

Installation

For safety reasons, the printer must be grounded. Use only original parts to ground it.

Accessories

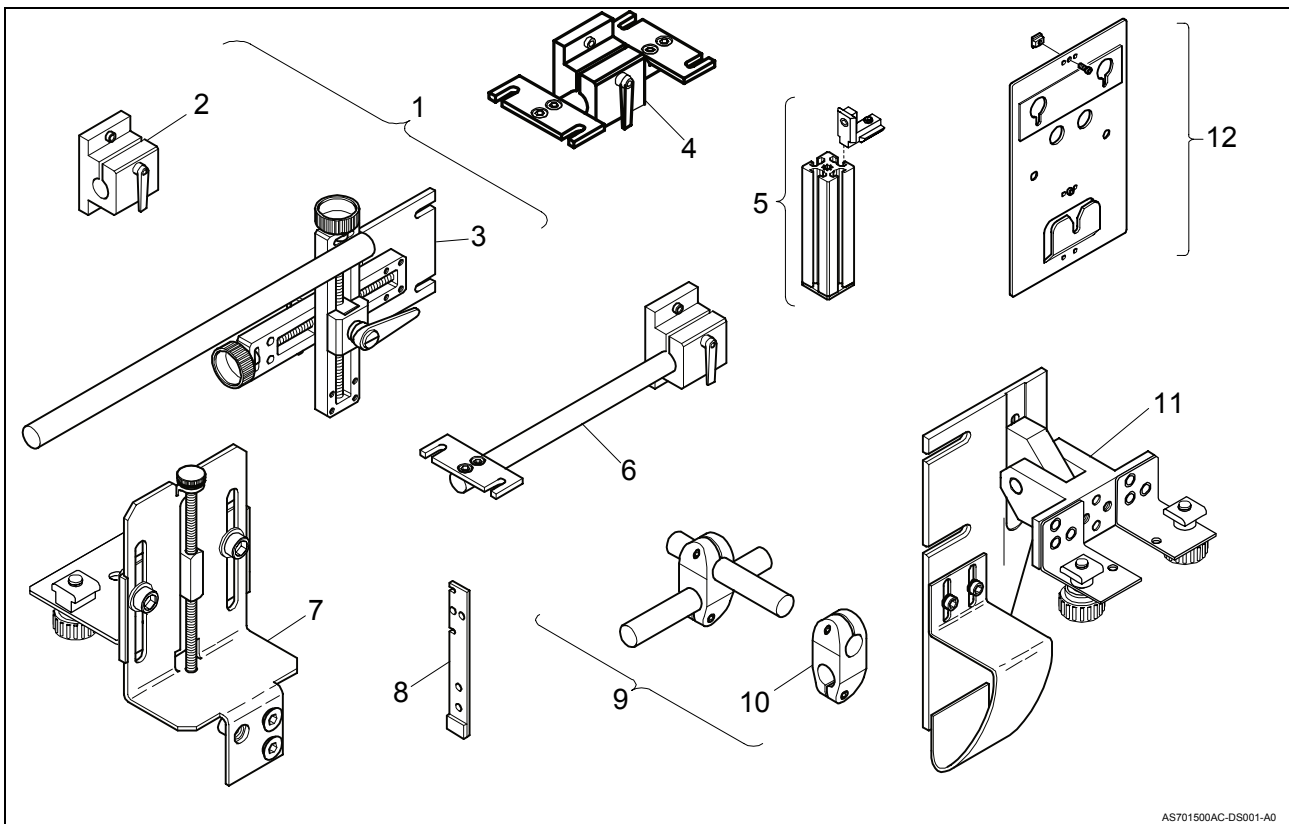
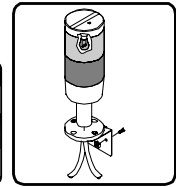
Stand and bracket



Item	Part number	Description
Standard stand		
1	A17640	Stand - basic - (includes 7)
2	A17641	Stand - basic - complete (includes 3,4,5,6,7)
3	EN5343	Fasteners and clip - conduit
4	EN10013	Head support - servicing position
5	EN6450	Maintenance tray
6	A13724	Adapter - square bottle
7	A17974	Mounting bracket - head
8	A12464	Ground strap (x10 m)
9	EN6706	Fixing link - Ground strap

Accessories

Stand and bracket

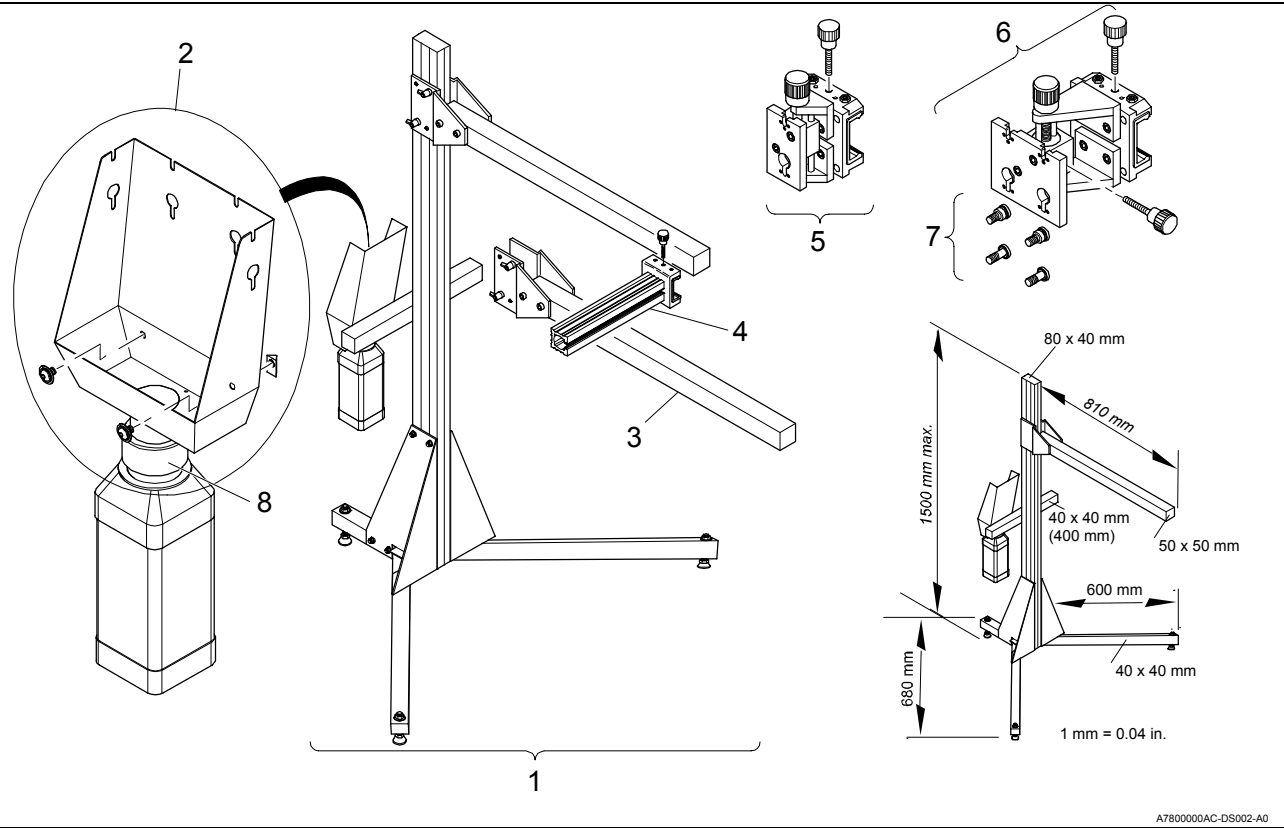
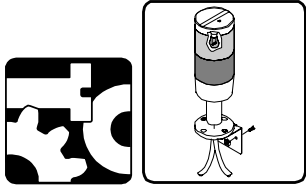


AS701500AC-DS001-A0

Item	Part number	Description
1	EN5915	Head mounting kit - 2 axis precision adjustment
2	EN5914	Adaptater kit - round rod to profile
3	EN4735	Head bracket - 2 axis precision adjustment
4	EN6231	Head bracket - straight head - servicing position
5	A14806	Head bracket - horizontal head
6	EN6230	Head bracket - straight head - fixed position
7	EN10012	Head bracket - 1 axis precision adjustment
8	ENM7329	Head bracket - long
9	EN4768	Mounting kit - second head
10	A11188	Nut
11	EN6637	Head support - retractable
12	EN5988	Printer holder

Accessories

Stand and bracket

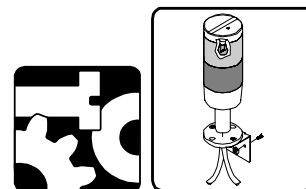


A7800000AC-DS002-A0

Item	Part number	Description
Reinforced stand		
1	EN50283	Stand - reinforced - (without 3 and 4)
2	EN50286	Maintenance tray - reinforced stand
3	EN50287	Bracket - additional - horizontal - reinforced stand
4	EN6457	Bracket - additional - perpendicular - reinforced stand
5	EN50284	Head bracket - adjustable - lock position head - reinforced stand
6	EN50285	Head bracket - adjustable - adjustable position head - reinforced stand
7	EN50289	Mounting screw (x4)
8	A13724	Adapter - square bottle

Accessories

Brackets



Note

All materials connected to the printer or near it must be grounded.

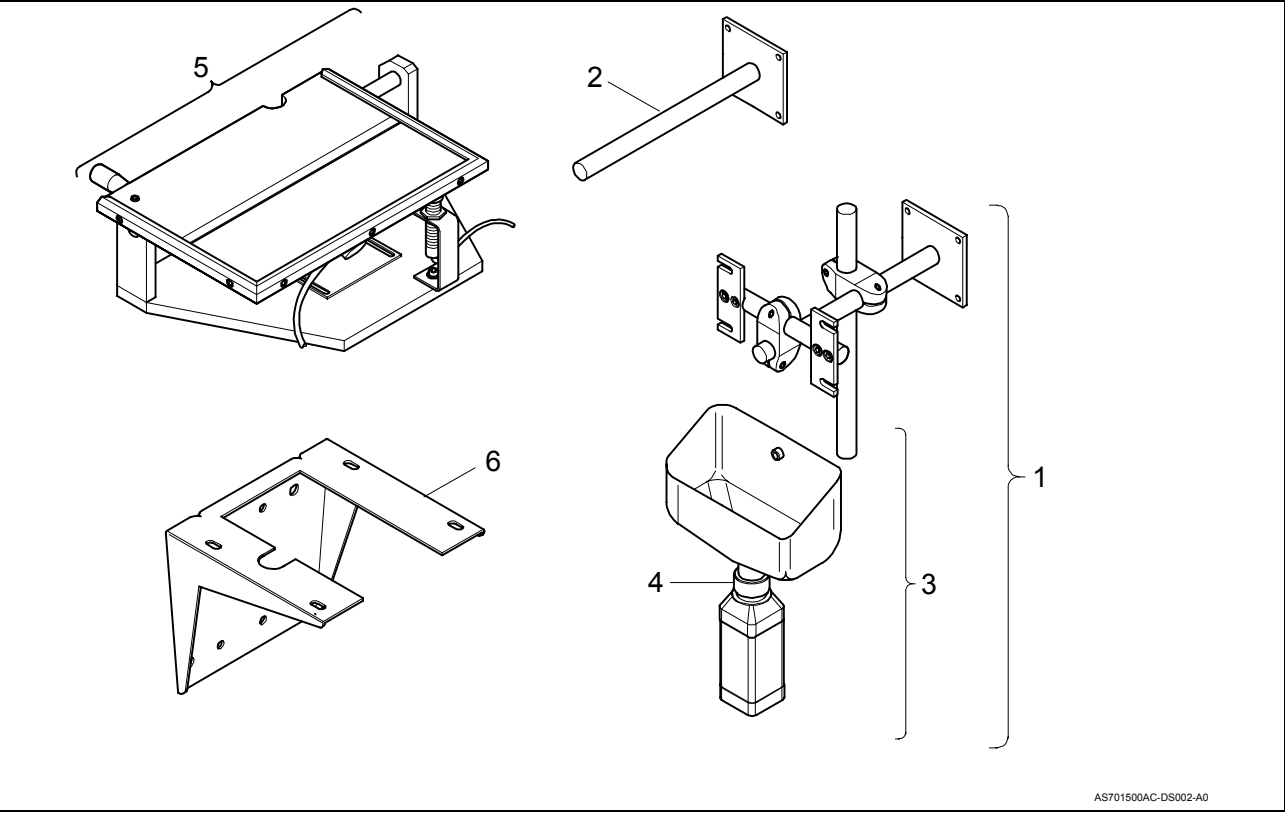
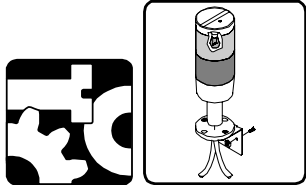
Marking table

Principle

Equipped with a proximity sensor and a shaft encoder, it is used to print manually.

Accessories

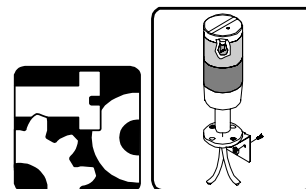
Brackets



Item	Part number	Description
1	EN6163	Head bracket - wall - servicing position
2	ST1123	Bracket - wall
3	EN6450	Maintenance tray
4	A13724	Adapter - square bottle
5	EN6051	Marking table
6	EN6062	Printer holder - wall-mount

Accessories

Photocells



Description

The photocell detects the object to be printed and sends a printing signal to the printer.

The photocell is necessary for most Imaje printer applications.

IMAJE photocells are fast and accurate and not sensitive to interference.

The photocell is protected in a solvent resistant housing.

Optical cables are enclosed in chrome-plated sheathing.

For continuous printing applications, the photocell can also be used to verify that the object is present.

Selection Criteria

There are two choices:

- Reflex photocell: a reflector reflects the infrared light emitted and the object breaks the resulting beam; this is the most accurate and reliable method,
- Proximity photocell: this works by direct reflection from the object. The reflected light may vary depending on the color of the object.

Optical cables are used when the available space is too restricted to fit the photocell or if precise positioning is required.

Installation

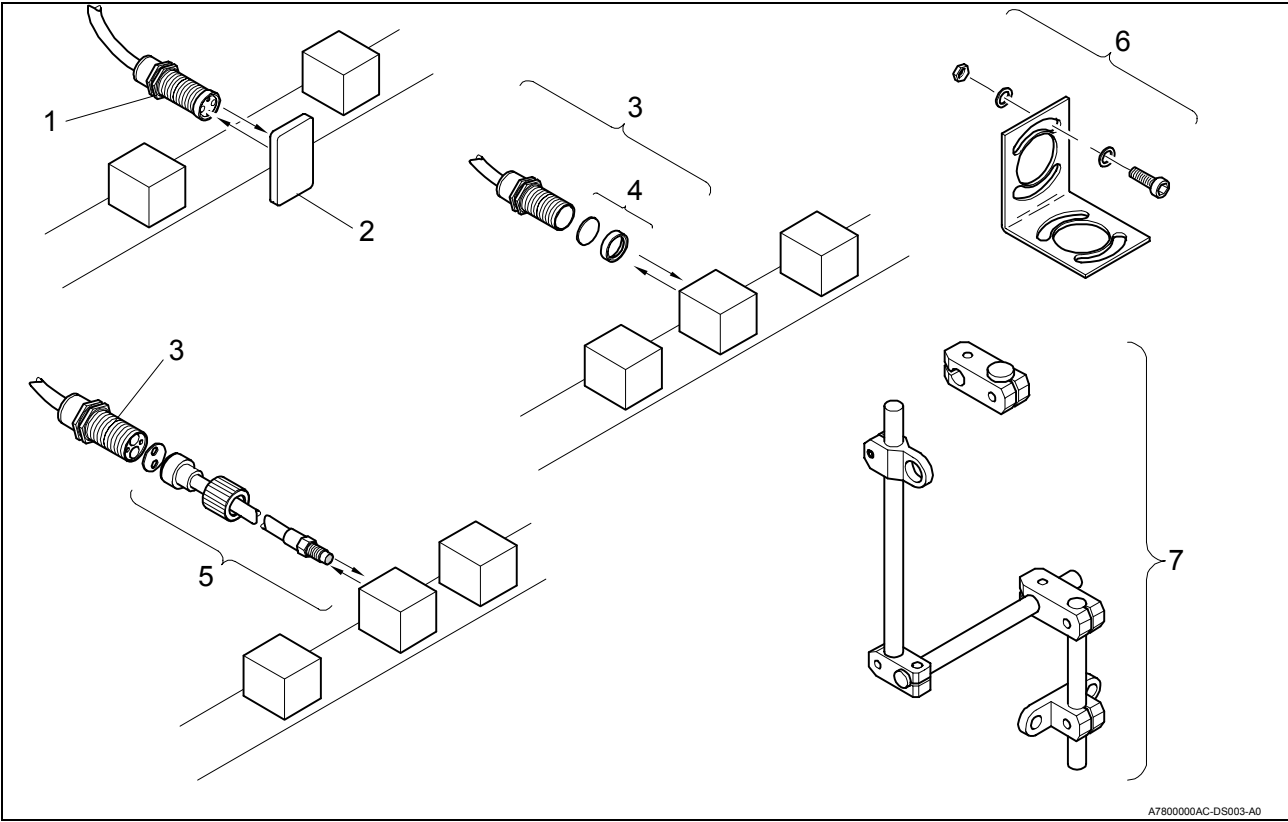
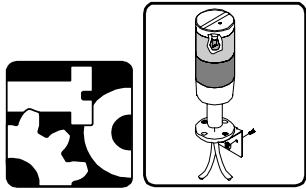
To install, use the mounting bracket or the photocell mounting kit.

The proximity photocell uses an optical cable to carry the transmitted and reflected beams.

Place the optical cable in the proximity photocell.

Accessories

Photocells

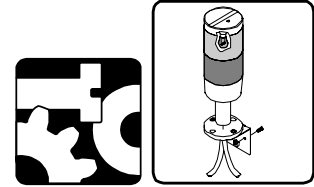


A7800000AC-DS003-A0

Item	Part number	Description
1	A16468	Photocell - reflex - with reflector
2	A16540	Reflector
3	A16469	Photocell - proximity
4	A16541	Glass protector
5	A16470	Optical cable (to be fitted the proximity photocell)
6	A16538	Mounting bracket - photocell / optical cable
7	A16539	Support - photocell

Accessories

Shaft encoder (tachometer)



Description

The shaft encoder gives the printer an instantaneous measurement of conveyor speed in the form of pulses.

The printer processes these pulses to synchronize raster printing. The number of pulses (frequency) sent to the printer is divisible by a programmable number. This number, which is adjustable for each individual message, is called “tachy division”.

It is advisable to perform the installation in such a way as to provide a large number of pulses per millimeter (0.04 in.) printed and to divide as required by the shaft division number.

This enables the printing resolution (i.e., the character width) to be precisely adjusted.

Selection Criteria

The encoder is useful in cases where the rate at which the products moves varies: continuous web production, packaging machines with adjustable rates, etc.

If a frequency greater than 5000 pulses per revolution is required, the IMAJE frequency multiplier can be installed between the shaft encoder and the printer.

Installation

The encoder can be installed without any modification to the production line or printer by simply using a friction wheel:

- A smooth wheel for high friction conveyor belt surfaces
- A spiked wheel for low friction conveyor belt surfaces

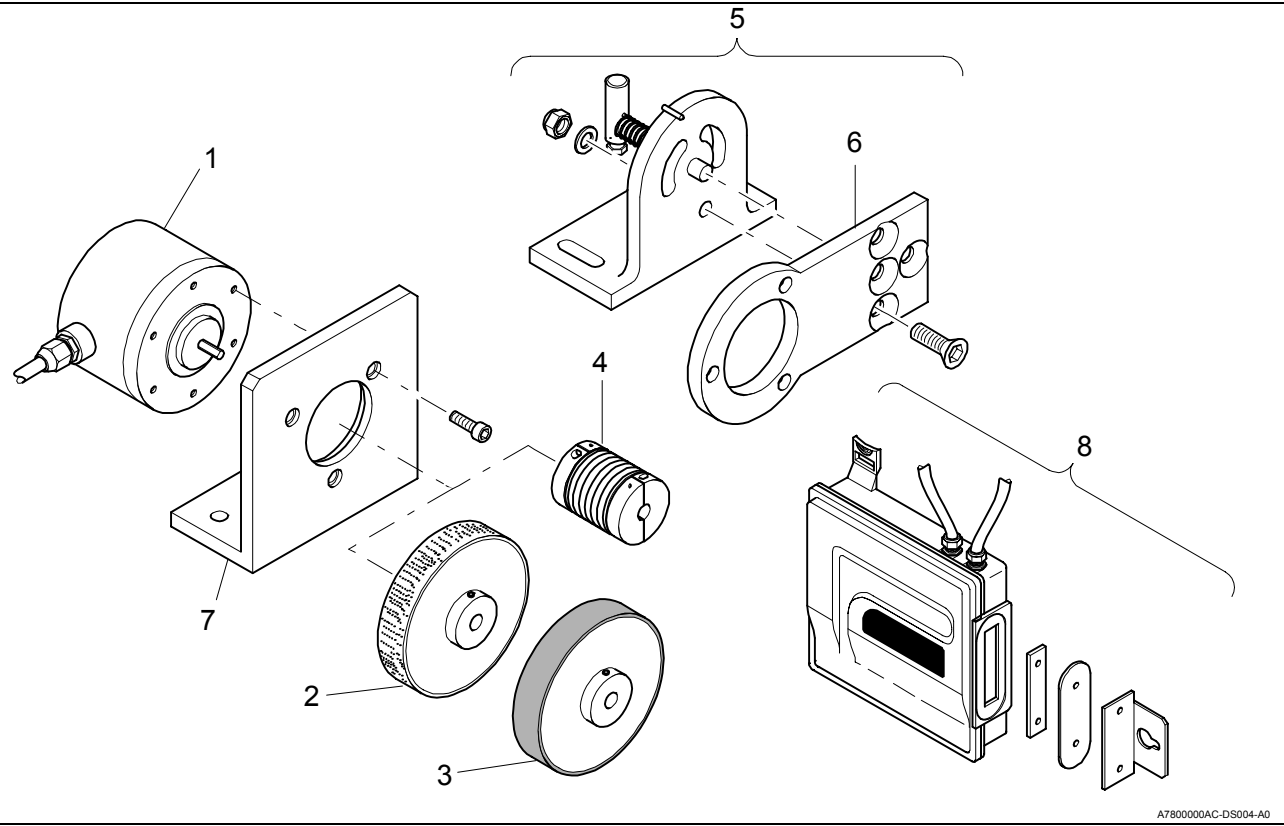
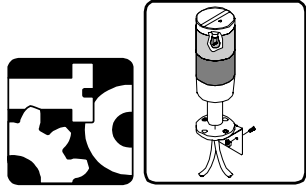
The encoder can also be directly coupled to the conveyor belt shaft, in which case it is advisable to use a flexible coupling (6-mm (0.24 in.) diameter at both ends).

Several mounting brackets are available.

The shaft encoders are supplied with a 5-meter (16.40 ft) cable.

Accessories

Shaft encoder (tachometer)

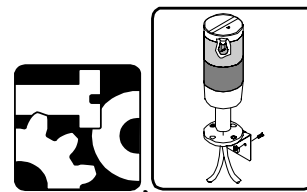


A7800000AC-DS004-A0

Item	Part number	Description
1	A12192	Shaft encoder - 5000 pulses/rev
2	A10530	Encoder wheel - spiked - 200 mm (8 in.)
3	A11169	Encoder wheel - smooth - 200 mm (8 in.)
4	A11168	Flexible coupling
5	EN6367	Mounting bracket - encoder - with spring
6	ENM6363	Bracket - shaft encoder
7	ENM11166	Mounting bracket - encoder - fixed
8	EN7160	Frequency multiplier (from 1 to 19)

Accessories

Pressurization kit, head drying kit, head protection



Pressurization kit and head drying kit

Description

Due to the positive pressure it maintains inside of the print head, the pressurization kit prevents any dust from entering the head.

The air is filtered with a coalescent filter.

In humid conditions, the air also keeps the head dry, protecting it from moisture. The back pressure kit must be used with medium dry time or quick-drying inks.

It is connected to the head drying kit for fast drying of the print head after cleaning.

The head drying kit is suitable for all types of ink. It must be used with medium dry time or quick-drying inks.

Installation

Check your plant air for the following characteristics:

- Air pressure at the input should be between 5 and 10 bar (72.5 - 145 PSI)
- Air flow and pressure at the input should be at least 800 NI/hour (0.47 scfm) for a single-head printer at 7 bar (101 PSI)
- Operating temperature should be between 32°F and 140°F (0°C and 60°C)
- The air must be clean, dry and oil free. It must contain at the most: 0.12 grams of water/m³ (0.15 oz. of water/cubic foot), 1PPM of oil and size of particle <5 µm.

Head protection

Description

The stainless steel head protector is used to protect the head against splashes of water, dust, electromagnetic interference and mechanical shocks.

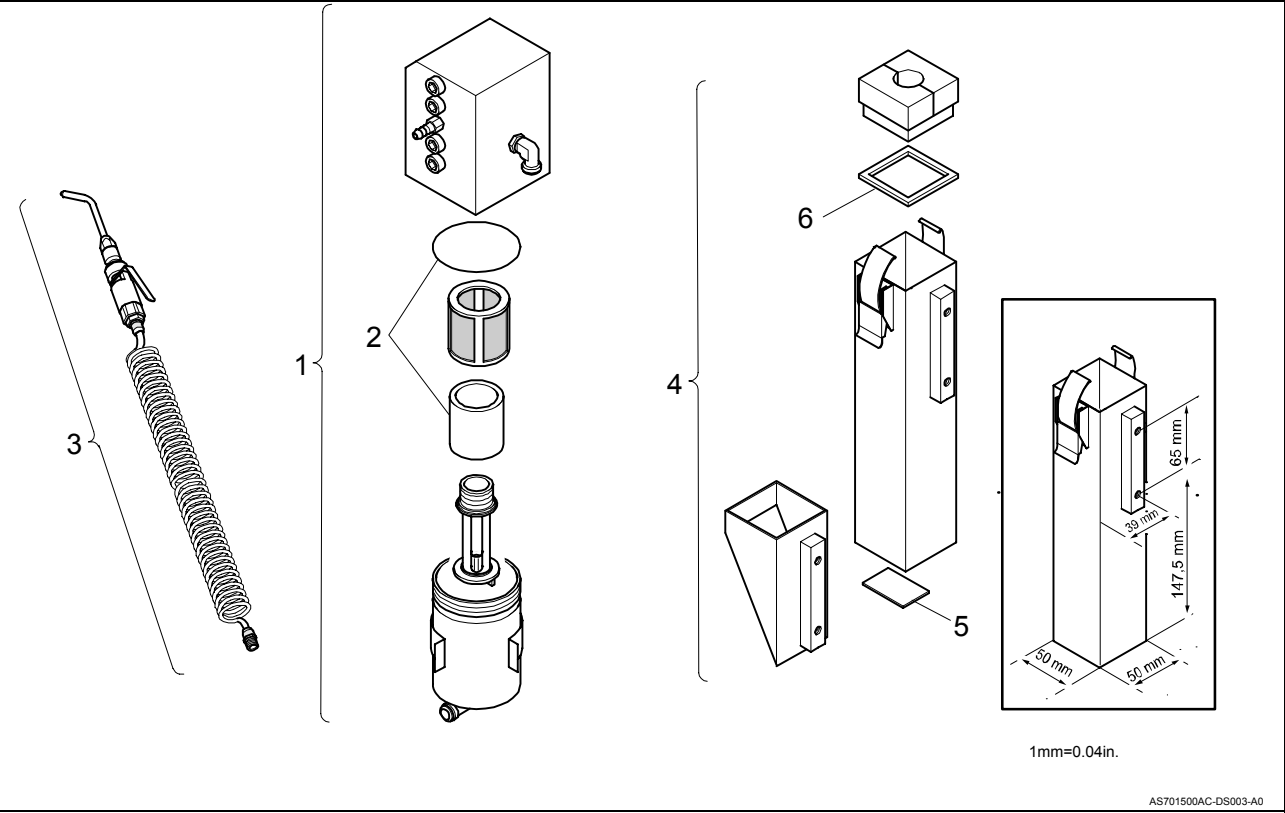
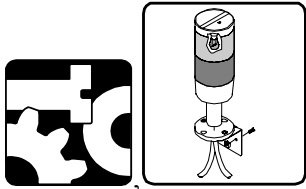
Installation

A magnetic plate covers the jet output slot to ensure that the head is completely sealed when idle or while the production line is being cleaned.

The sleeve supplied with the head protector is mounted to the IMAJE stand when the head is being serviced.

Accessories

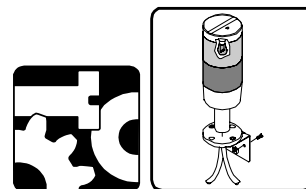
Pressurization kit, head drying kit,
head protection



Item	Part number	Description
1	A16216	Pressurization kit - compact
2	ENM16203	Filter cartridge - 0.1 µm - with seal
3	EN7696	Drying kit - head
4	A16601	Head protection - with servicing sleeve
5	ENM16508	Magnet (x5)
6	ENM16243	Seal

Accessories

Additive vapor catch kit, antistatic brush, air blade kit



Additive vapor catcher kit

Description

This kit is designed to trap vapors emitted while the printer is working. A 3-metre (9.8 ft.) tube carries the vapors to a pressurized

5-liter (1.32 gal.) air tank.

A 50-cm (19.7 in.) tube then carries the vapors to a 3-liter (0.79 gal.) water tank, where they are absorbed by the water, with the air surfacing in the form of bubbles. The water should be changed after every 24 hours of operation. The condensates formed in the air tank should be removed once a week.

Installation

If there is a filtered connection on the printer's steam vent, remove it. Use the connector provided in the kit to connect the inlet pipe on the bubbling kit to the printer's steam vent.

Anti-static brush

Description

Certain printing applications, such as blister packs, plastic film or cables, can produce electrostatic charges that may disperse the drops ink, which will reduce print quality. Use an anti-static brush to prevent this.

Installation

The brush, which is 70 mm (2.76 in.) long, is mounted crosswise 50 mm (1.97 in.) in front of the head. It should never be more than 1mm (0.04 in.) from the object and should preferably be in contact with the object. It must also be grounded.

Air blade kit

Description

The air blade is used to dry:

- The substrate prior to printing
- The ink after to printing

Installation

Blades are available in two lengths: 6" (153 mm) and 18" (457 mm).

The space between the blade and the object may be adjusted (between 0.4 and 2 in.) (10 and 60 mm).

The air blade kit includes the blade, filters and a bar to remove the head and couplings necessary for installation.

The connector on the kit's inlet is 1/2" G female or 1/2" BSP 10 mm.

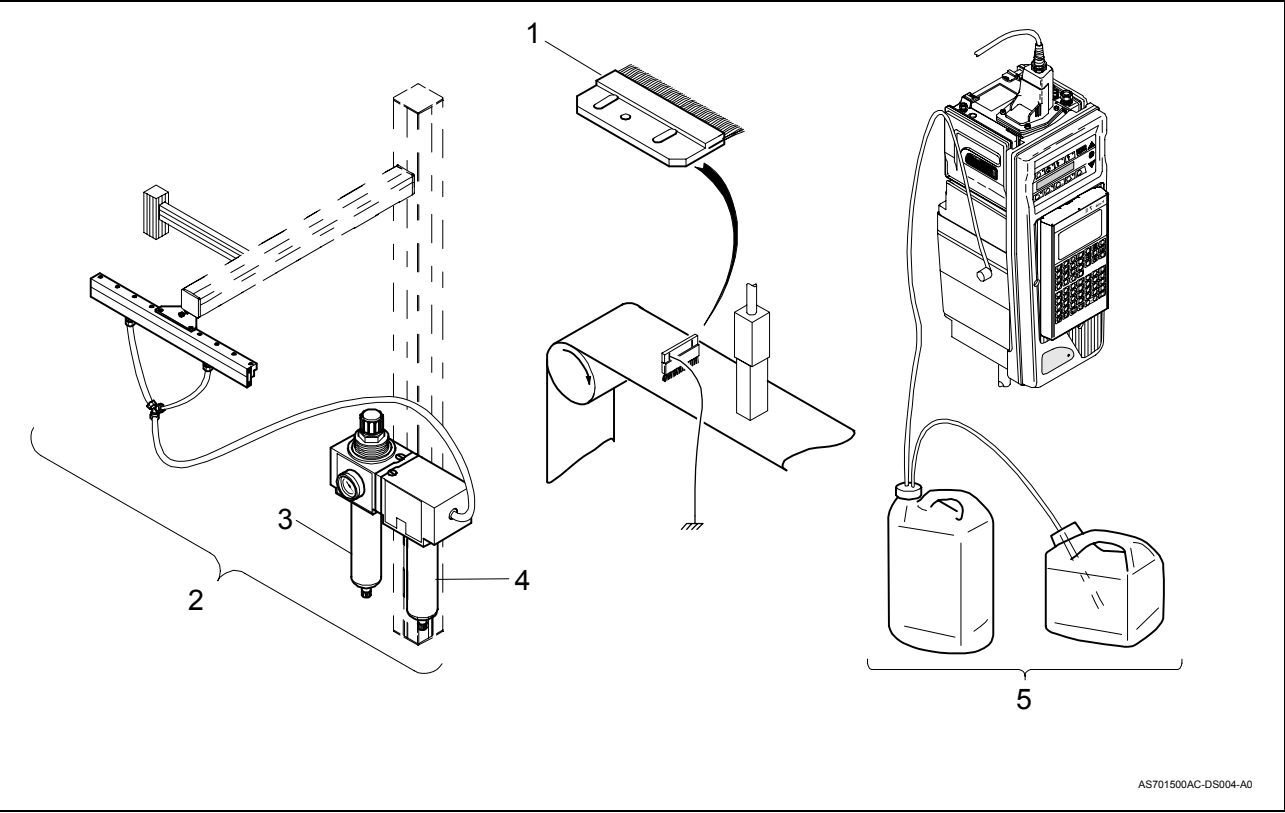
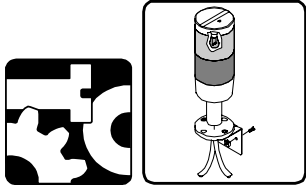
Use the cross-shaped bars to attach the air blade to the Imaje stand.

Check your plant air for the following characteristics:

- 6" blade (153 mm): air flow and pressure at the kit's input must be at least 300 l/min. (10.5 scfm) at 1.8 bar (26.1 PSI).
- 18" blade (457 mm): air flow and pressure at the kit's input must be at least 800 l/min. (28.25 scfm) at 1.8 bar (26.1 PSI).
- Pressure at the kit's input must be at least 3 bar (43.5 PSI).
- Operating temperature must be between 14°F and 167°F (-10°C and +75°C).
- The air must be clean, dry and oil free. It must contain at the most: 0.12 grams of water/m³ (0.15 once of water/cubic foot), 1PPM of oil and size of particle <5 µm.

Accessories

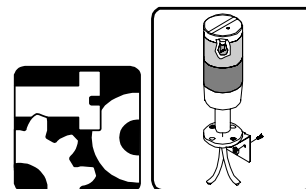
Additive vapor catch kit, antistatic brush, air blade kit



Item	Part number	Description
1	A13939	Antistatic brush
2	A17287	Air blade kit - 457 mm (18 in.)
2	A17796	Air blade kit - 153 mm (6 in.)
3	ENM17562	Filter - air blade - main filter - 5 µm
4	ENM17563	Filter - air blade - secondary filter - 0.01 µm
5	EN5385	Additive vapor catcher kit

Accessories

Alarms



Description

Light and audible alarms may be connected to the printer's "alarm" outputs. A continuous warning light or audible indicates that the machine is malfunctioning. These attractive alarms are designed to function in the harshest of industrial environments. They are particularly useful in highly automated production lines where operators are rarely near the machine.

Selection criteria

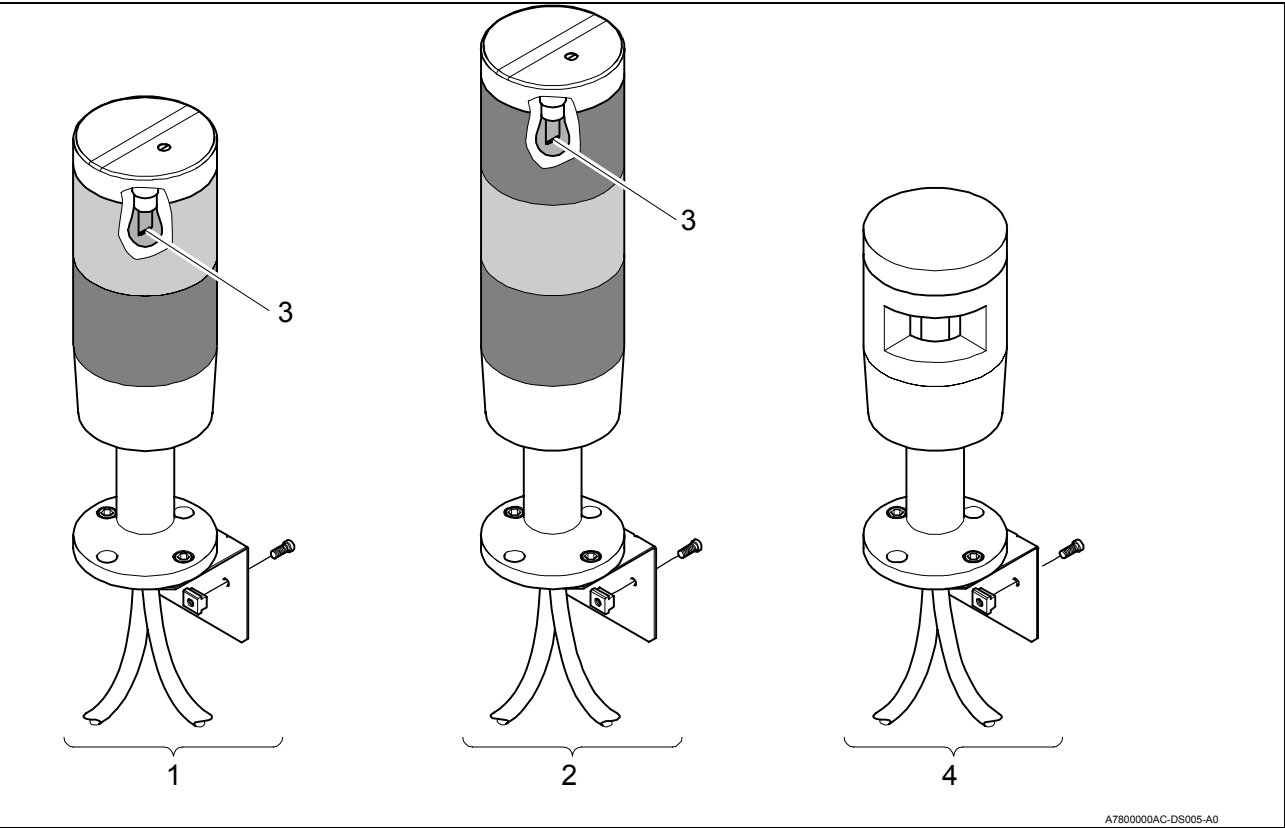
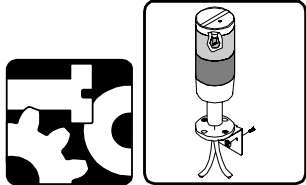
Choose the alarm that corresponds to your voltage.

Installation

Shut off the printer before hooking up the alarm. It is electrically connected to the relay output on the industrial interface board and the plugged into a standard outlet. Mount the alarm on the Imaje stand with the hardware included.

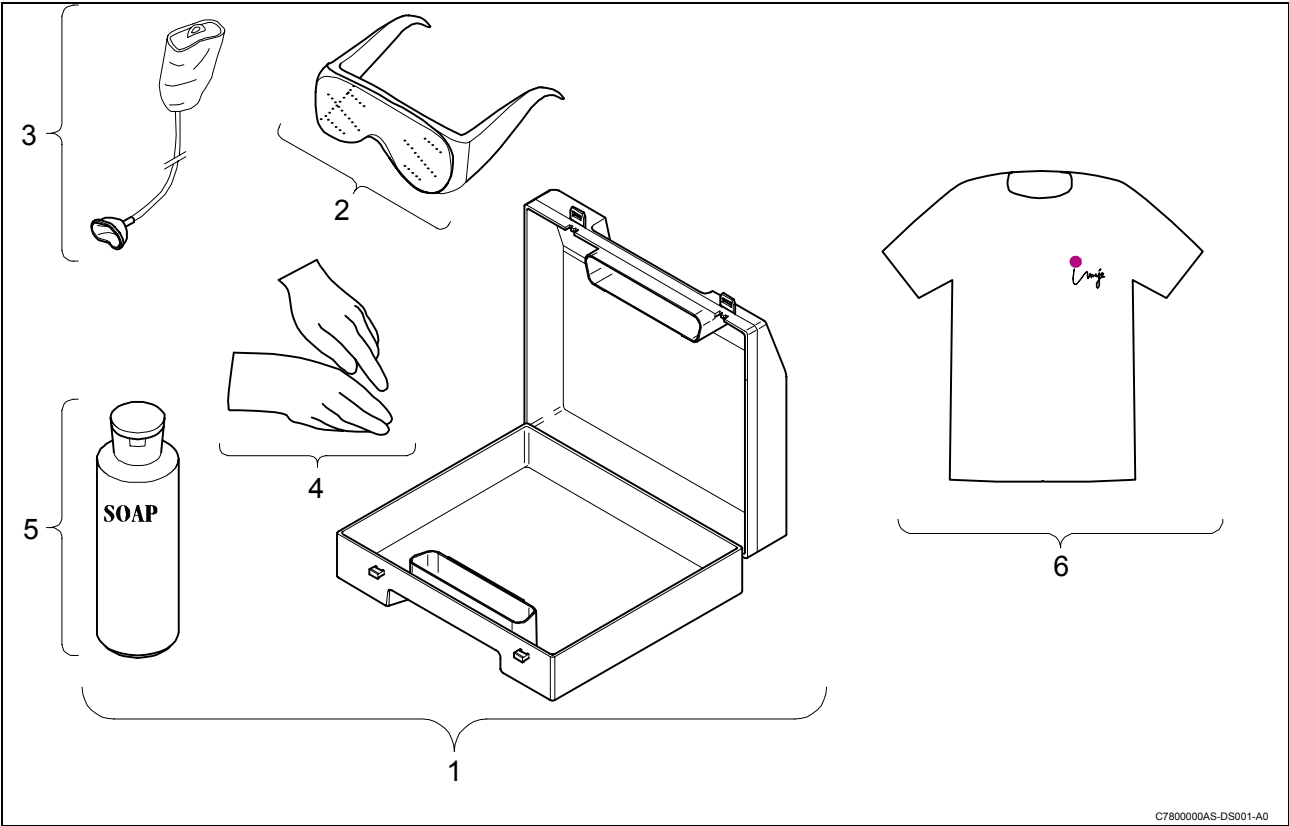
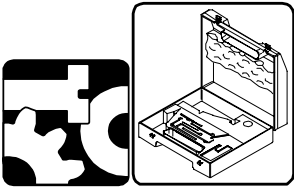
Accessories

Alarms



Item	Part number	Description
1	EN5899	Alarm - illuminated - 2 elements - - 220 V
1	EN5900	Alarm - illuminated - 2 elements - 110 V
2	EN5897	Alarm - illuminated - 3 elements - 220 V
2	EN5898	Alarm - illuminated - 3 elements - 110 V
3	A15388	Light bulb - 220 V
4	EN5924	Alarm - audible - 110 V/220 V

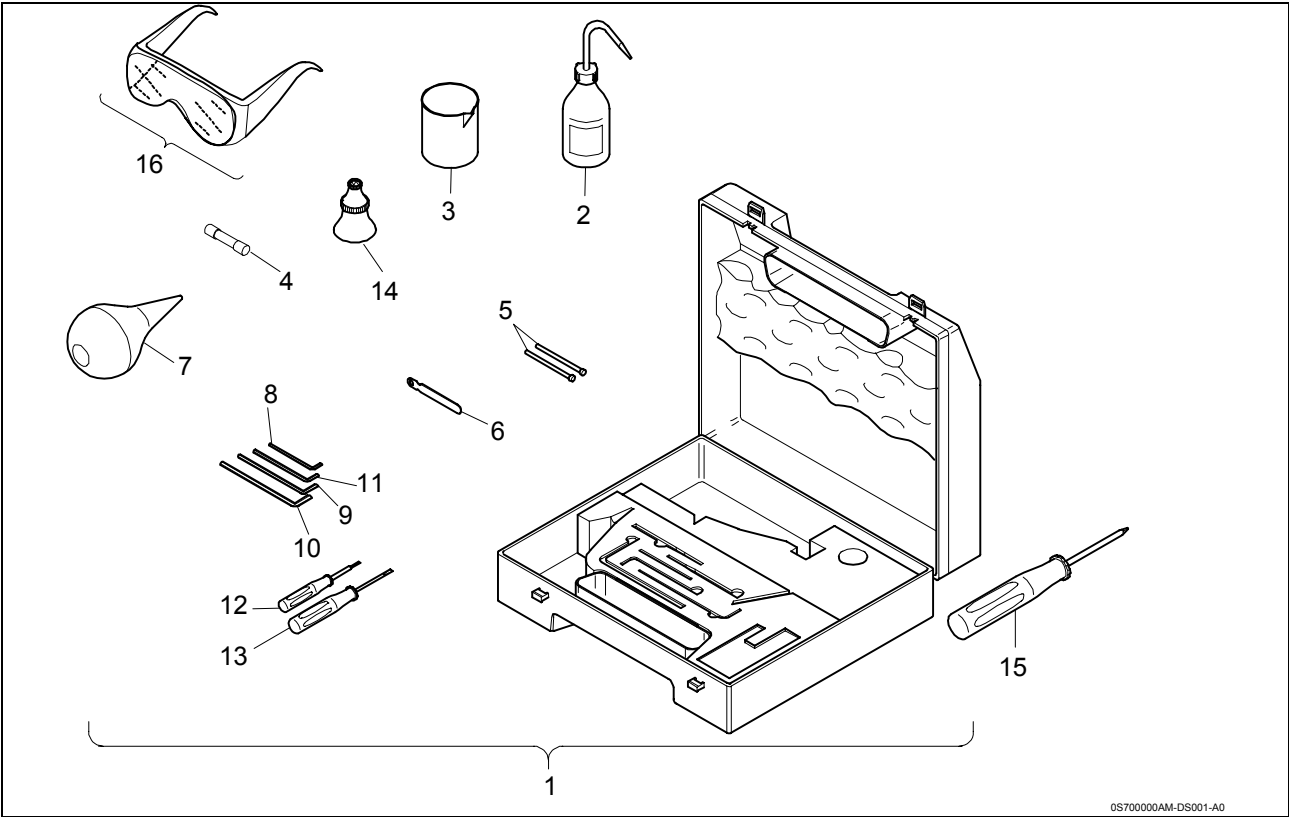
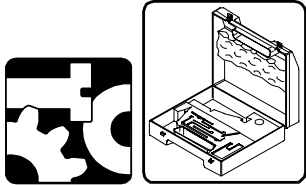
Safety parts



C7800000AS-DS001-A0

Item	Part number	Description
1	A17538	Safety kit (includes 2,3,4,5)
Referenced materials in the safety kit may be ordered separately		
2	A17955	Safety glasses
3		Eye wash
4	ENM4491	Gloves (x 20) - latex
5		Hand cleaner - liquid - 125 ml
6	A20872	Tee shirt - black - Imaje - size M
6	A20873	Tee shirt - black - Imaje - size L
6	A20874	Tee shirt - black - Imaje - size XL
6	A20875	Tee shirt - black - Imaje - size XXL

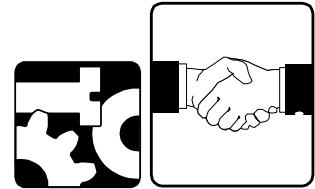
Maintenance parts



0S700000AM-DS001-A0

Item	Part number	Description
1	EN5294	Maintenance kit
Referenced materials in the maintenance kit may be ordered separately		
2	ENM6317	Cleaning flask
3	A11007	Beaker - 250 ml (0.26 qt)
4	ENM5844	Fuse (x10) - 1.25A - slow blow
5	ENM5932	Adjustment tool - cannon
6	ENM14434	Wrench - hexagonal - cannon
7	A10864	Head drying pump
8	-	Allen wrench - 1,5 mm
9	-	Allen wrench - 3 mm
10	-	Allen wrench - 5 mm
11	A18631	Allen wrench - 2 mm
12	-	Screwdriver - cannon holder cam
13	A12027	Screwdriver - 2.5x50 mm
14	A10413	Magnifier - magnification x12
15	A12739	Screwdriver - cassette
16	A17955	Safety glasses
	A16068	Maintenance kit - for S7 PRIMA printer includes 2,3,4,5,7,8,11,13,14,16
Referenced materials in the maintenance kit may be ordered separately		

« Imaje Worldwide Services »



Introduction

Satisfying you is our top priority. That is why we offer products and services that meet your needs at the best prices.

Our desire to fully satisfy your requirements also means unending research and a dedication to quality. Our 2000 version ISO 9001-certified site in Bourg-lès-Valence (France) and most of our sales subsidiaries clearly demonstrate our commitment to quality. The environment is also one of our concerns; we are the only enterprise in our field that has ISO 14001 certification.

Our sales organization, made up of 29 subsidiaries and more than 50 distributors, is one of a kind in industrial marking. We are present in more than 100 countries. Our organization guarantees consistent, high quality service throughout the world. We offer simple, reliable products and a variety of services that allow you to optimize your production operations.

Do not hesitate to contact the Imaje representative closest to you to explore a service package that is tailored to your needs.

Imaje after-sales services

Technical hot line (technical support on the phone)

Minimize production downtime with this service that provides real-time technical advice and support.

The Imaje technical hot line: the best way to maximize the use of your production equipment.

Maintenance service agreements

Control your making system maintenance costs and make sure that your equipment always stays technically up-to-date, by taking advantage of one of the maintenance agreements that Imaje has to offer.

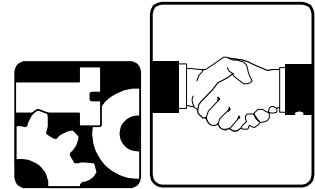
Imaje maintenance agreements provide you with the manufacturer's assurance of always having up-to-date, well-maintained equipment, thus guaranteeing optimal printer use and controlled operating costs.

Contracts for delivery of consumable products (Fluids)

Minimize the administrative and financial hassles of limited consumable supplies by taking advantage of our annual consumable supply contract.

The Imaje consumable supply contract gives you the peace of mind of knowing that you have a consistent supply of ink and additives, at the best prices.

« Imaje Worldwide Services »



Imaje installation and training services

Technical installation support

Maximize productivity and minimize production downtime right from the start, by having our technicians on-site during the installation.

The experience of Imaje technicians is the best guarantee for quick and efficient installation, in perfect harmony with your needs.

Customer training

A well-trained staff will help maximize the use of your ink-jet printer. Imaje's professional training staff can assist you with this goal anywhere in the world.

Imaje training is an effective way to optimize your investment and minimize production downtime.

Imaje pre-sales services

Samples marking expertise

Take advantage of our expertise for free ! By sending samples of your product for us to mark, you can verify print quality, consistency, legibility and be certain that the marking will meet your specifications.

Thanks to Imaje samples marking expertise, there are no unpleasant surprises, just guaranteed quality marking.

Pre-installation technical advice

Optimize the integration of your making systems into your production lines, by using our technical specialists.

Imaje pre-installation technical advice guarantees a smooth, successful integration every time.



Please contact us for more information.

Structure of the document

Catalog : accessories, spare parts S7 Range



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No binding pictures. Photos : Ginko, X
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