

INK SERVICE®

INK PRODUCTION

FOR ALL
PRINTING SYSTEM



SINCE 1992

WE GIVE

LIFE TO

YOUR

COLORS

INK SERVICE SINGLE-PERSONAL SRL

It is a company made up of people who have been providing industrial inkjet coding solutions for all fields of application and for every printable surface for over 20 years. The history of Ink Service begins in 1992, when people who were already working in the industrial coding sector had the idea of setting up their own business and starting a promotional activity on inks and solvents for inkjet coders. But not only that: the innovative idea is to offer production companies not only consumables for their machines, but also technical assistance. This has always been Ink Service's strong point: offering a truly 360° service to manufacturing companies. Over time, our growing credibility and trust from our customers, technological innovations and new ideas have allowed us to reach the turning point: the real core business of Ink Service began in the 2000s: the production of inks and solvents for all digital coders. inkjet on the international market.

HISTORY

Over the last 10 years, we have not only increased the production of inks, but today we are able to offer a stable, excellent, customer-tailored and unrivaled product, especially in the pigmented white colour. Our ink production has become increasingly refined: in 2011 we became an industrial ink production company with ATECO code 20.3 from corporate statute and we invested in a new headquarters. Since 2013, we have owned an entire industrial and production complex: 1500 m2 mainly divided into four macro-areas:

- 1) Analysis and Quality Control Laboratory;
- 2) Production of industrial inks and solvents for inkjet coders;
- 3) Technical Assistance Laboratory;
- 4) Coder Design and Online Installation Laboratory (CIJ Printer)

Why a Design and Online Installation Laboratory? Because more and more our Customers are asking us not for a product, but for a solution: We are able to collect the specific requests of each individual Customer: desired ink color, desired density, printable surface, 24/7 production needs or special productions at very high speeds, food or mek-free inks, oil-based inks in various colors and shades.

Or again: solutions for environments that are too dusty, too hot, too cold... any environmental problem and line requirement is carefully analyzed by our staff, reproduced, studied in detail in order to offer what we believe could be our best solution.

But that's not enough: we know that our customers increasingly have different needs; from today, we can offer not just any inkjet encoder, but our inkjet encoder, with cutting-edge software that is always continuously and constantly updated, created in collaboration with a German company, Drucker InkJet, to satisfy any industrial marking need at 360°.

And again: we offer a courtesy service for Customers who need to send us the markers for technical assistance, so that they don't have to stop the production line; we offer a daily to monthly rental service that can cover non-continuous productions to meet the needs of third-party producers; we offer a refresh service on some spare parts; and last but not least, we also offer the sale of used markers that have been entirely reconditioned by us for all those customers who specifically request them.

Ink Service operates throughout the national territory through a proven network of agents, resellers and technicians capable of guaranteeing efficient technical/commercial support; operates internationally thanks to selected distributors present in a large part of European and non-European territory.

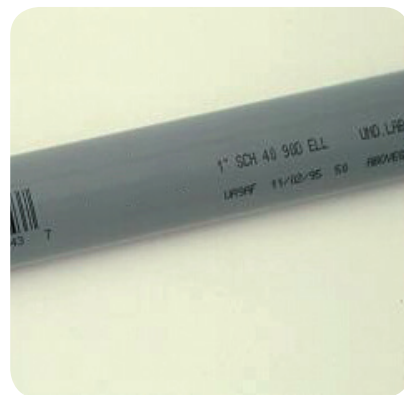




- GENERAL PURPOSE PRODUCT
- VERY FAST DRYING
- EXCELLENT PERFORMANCE ON FLEXIBLE PLASTICS

OPPORTUNITIES

- FLEXIBLE FILMS
- PLASTICS



IKS077
STANDARD
BLACK INK

Advanced Fluid Details

Ink Name	IKS077	Ink Colour	Black
Solvent base	MEK	Label Colour	Black

Part Numbers

Make Up	M 001	Wash Solution	S001
---------	--------------	---------------	-------------

Properties And Applications

	Adhesion	Scratch Resistance	Dry Abrasion Resistance	Wet Abrasion Resistance	Drying Time In Seconds @ 20°C	Typical Applications
Uncoated Cellulose Film	□	□			1-5	Wrapping confectionery products, overwrapping bottles.
PVdc Coated Cellulose Film	□	□			1-5	
Treated Polyester Film	□	□		□	1-5	Bottles, cables, laminated credit cards.
Untreated Polyester Film	□	□			1-5	
Polythene Sheet LDPE	□				1-2	Bottles, bottle caps, shrink wrap, moulded components and wrapping for food, biscuits and cigarette cartons.
Polythene Film Corona Discharge Treated	□			□	1-2	
Untreated Polythene Film	□				1-2	
PVdc Coated OPP Film	□	□		□	1-0	
Uncoated OPP Film	□	□			1-0	Cables, moulded components, building components.
Plasticised PVC Sheet	□	□	□	□	1-0	
Unplasticised PVC Sheet	□	□	□	□	1-0	
Extruded PVC Sheet	□			□	1-0	
Pressed PVC Sheet	□	□		□	1-0	Engineering plastics.
Polycarbonate Sheet	□	□		□	1-0	
Polystyrene Sheet	□	□		□	1-0	Moulded and extruded components.
Polyamide Sheet	□	□	□		1-2	Cables, textiles and general components.
Polypropylene Sheet	□			□	1-2	Engineering plastics.
ABS Sheet	□	□	□	□	1-0	Engineering plastics.
Acrylic Sheet	□	□		□	1-2	
Enamel Coated Steel	□	□		□	1-2	
Aluminium	□			□	1-0	Cans.
Stainless Steel	□	□		□	1-2	
Mild Steel	□	□		□	1-2	
Tin-plate	□	□		□	1-2	
Glass	□	□			1-2	Bottles.
□	Excellent	□	Good			Poor (no symbol)

For any model DRUCKER and different nozzle 42Mc 55Mc 65Mc
IKS077 has a shelf life of 12 months



- WHITE, FAST DRYING GENERAL PURPOSE
- VERY GOOD CONTRAST ON DARK SURFACES
- EXCELLENT ADHESION ON PVC
- RIGID PLASTICS
- MULTI-COLOURED SUBSTRATES



Advanced Fluid Details

Ink Name	IKS079	Ink Colour	White
Solvent base	MEK	Label Colour	Black

Part Numbers

Make Up	M 001	Wash Solution	S001
---------	--------------	---------------	-------------

Properties And Applications

	Adhesion	Scratch Resistance	Dry Abrasion Resistance	Wet Abrasion Resistance	Drying Time In Seconds @ 20°C	Typical Applications
Uncoated Cellulose Film	□	□			1	Wrapping confectionery products, overwrapping bottles.
PVdc Coated Cellulose Film	□	□	□	□	1	
Treated Polyester Film	□	□	□	□	1	
Untreated Polyester Film	□		□	□	1	
Polythene Sheet					3	Bottles, bottle caps, shrink wrap, moulded components and wrapping for food, biscuits and cigarette cartons.
Polythene Film Corona Discharge Treated	□		□		2	
Untreated Polythene Film	□		□		3	
PVdc Coated OPP Film	□	□	□		2	
Uncoated OPP Film	□	□	□	□	2	Cables, moulded components, building components.
Plasticised PVC Sheet DOP	□	□	□	□	1	
Plasticised PVC Sheet DIBP	□	□	□	□	1	
Unplasticised PVC Sheet	□	□	□	□	1	
Extruded PVC Sheet	□	□	□	□	1	Engineering plastics.
Pressed PVC Sheet	□	□	□	□	1	
Polycarbonate Sheet	□		□	□	1	
Polystyrene Sheet	□			□	1	
Polyamide Sheet	□				2	Cables, textiles and general components.
ABS Sheet	□	□	□	□	1	Sealants.
Acrylic Sheet	□		□	□	1	
Neoprene	□	□	□	□	1	
Natural Rubber	□	□		□	1	
Enamel Coated Steel	□		□	□	1	Cans.
Aluminium	□		□	□	1	
Stainless Steel	□	□	□	□	1	
Mild Steel	□		□	□	1	
Tin-plate	□		□		1	Bottles.
Glass	□		□		2	
Paper	□	□	□	□	1	
Cardboard	□	□	□	□	1	
Cotton	□	□	□	□	1	Textiles.
□	Excellent	□	Good			Poor (no symbol)

IKS079 is suitable for use in DRUCKER A1 PLUS PIGMENT printers only

This ink should be used in ambient temperatures above 5°C and below 45°C

Drucker configuration with only nozzle 55 or 65 and 62500 or 88 khz. IKS 079 has a shelf life of 6 months



- VERY FAST DRYING BLACK INK
- RESISTANT TO OILS, ALCOHOL
- RESISTANT TO STEAM STERILISATION

OPPORTUNITIES

- MEDICAL DEVICES
- ELECTRONICS
- PIPE EXTRUSION
- AUTOMOTIVES
- CANNING INDUSTRY



BLACK
INK

IKS111

Advanced Fluid Details

Ink Name	IKS111	Ink Colour	Black
Solvent base	MEK	Label Colour	Black

Part Numbers

Make Up	M 001	Ink Cartridge	
		Wash Solution	S001

Properties And Applications

	Adhesion	Scratch Resistance	Dry Abrasion Resistance	Wet Abrasion Resistance	Drying Time In Seconds @ 20°C	Typical Applications
Uncoated Cellulose Film	□	□			1	Wrapping confectionery products, overwrapping bottles.
PVdc Coated Cellulose Film	□	□		□	2	
Treated Polyester Film	□	□	□	□	1	Bottles, cables, laminated credit cards.
Untreated Polyester Film	□			□	2	
Polythene Sheet	□		□	□	1	Bottles, bottle caps, shrink wrap, moulded components and wrapping for food, biscuits and cigarette cartons.
Polythene Film Corona Discharge Treated	□		□	□	2	
Untreated Polythene Film	□			□	2	
PVdc Coated OPP Film	□	□		□	1	
Uncoated OPP Film	□	□	□	□	3	
Plasticised PVC Sheet DOP					2	Cables, moulded components, building components.
Plasticised PVC Sheet DIBP	□	□	□	□	1	
Unplasticised PVC Sheet	□	□	□	□	1	
Extruded PVC Sheet					1	
Pressed PVC Sheet	□	□	□	□	2	
Polycarbonate Sheet	□	□		□	1	Engineering plastics.
Polystyrene Sheet	□			□	2	Moulded and extruded components.
Polyamide Sheet	□	□		□	2	Cables, textiles and general components.
ABS Sheet	□	□	□	□	1	Engineering plastics.
Acrylic Sheet	□			□	2	
Neoprene	□			□	1	Sealants.
Natural Rubber	□			□	1	
Enamel Coated Steel	□	□	□	□	1	
Aluminium	□	□			1	Cans.
Stainless Steel	□		□	□	1	
Mild Steel	□	□		□	1	
Tin-plate	□			□		
Glass	□	□			1	Bottles.
Paper	□	□	□	□	1	Paper packaging, vouchers, forms, outer carton packaging.
Cardboard	□	□	□	□	1	
Cotton	□	□	□	□	1	Textiles.
□	Excellent	□		Good		Poor (no symbol)

Data contained in this table has been derived under laboratory conditions and should be used only as guidance to aid the production of representative print samples.
Drucker running with iks111 requires only gear pump. IKS111 has a shelf life of 12 months



- PRINTS ONTO GLASS AND PLASTIC BOTTLES COVERED IN CONDENSATION
- REFRIGERATION FAST CODES
- CODE WITHSTANDS IMMERSION IN ICE-WATER
- ALKALI SOLUBLE, STEAM STERILISABLE

OPPORTUNITIES

- RETURNABLE BOTTLES
- ALUMINIUM KEGS

- PRODUCTS REQUIRING STEAM STERILISATION
- CANNING INDUSTRY



Advanced Fluid Details

Ink Name	IKS234	Ink Colour	Black
Solvent base	MEK	Label Colour	Black

Part Numbers

Make Up	M 001	Wash Solution	S001
---------	--------------	---------------	-------------

End User Properties

Substrate	Abrasion Resistance 2 seconds after printing	Abrasion Resistance long time after printing	Refrigeration Fast	Ice Immersion
Glass Bottle Coca Cola Mexico	□	□	□	□
Glass Bottle Coca Cola UK	□	□	□	□
Glass Bottle Pepsi Cola Mexico	□	□	□	□
Glass Bottle Abbeywell Water	□	□	□	□
Beverage Can Steel	□	□	□	□
Beverage Can Aluminium	□	□	□	□
Beverage Bottle PET	□	□	□	□
Beverage Bottle PETE	□	□	□	□
Beverage Bottle PVC	□	□	□	□
□	Exœllent	□	Good	Poor (no symbol)

This fluid is designed to be removed by the washing process. It is important to note that both Caustic and wash additives are required in correct quantities for this process to work efficiently. Confirm suitability by trial.

Data contained in this table has been derived under laboratory conditions and should be used only as guidance to aid the production of representative print samples.

Abrasion resistance has been measured shortly after coding and also after longer time period. In both cases the resistance to abrasion is excellent. This means that the product can be handled almost immediately after coding without damaging or removing the code. The performance of IKS234 is highly dependent on the bottle coating. IKS234 has a shelf life of 12 months



- BRILLIANT CONTRAST ON DARK SURFACES
- FADE RESISTANT
- EXCELLENT ADHESION ON NYLON AND PVC
- PERFECT CONTRAST ON DIFFERENT SUPPORT COLOR

OPPORTUNITIES

- FLEXIBLE PLASTICS
- CABLE AND WIRE
- TUBE
- FLEXIBLE FILMS



GREY
ADVANCED FLUID
IKS279

Advanced Fluid Details

Ink Name	IKS279	Ink Colour	Grey
Solvent base	MEK	Label Colour	Black

Part Numbers

Make Up Cartridge	M 001	Wash Solution	S001
-------------------	--------------	---------------	-------------

Properties And Applications

	Adhesion	Scratch Resistance	Dry Abrasion Resistance	Wet Abrasion Resistance	Drying Time In Seconds @ 20°C	Typical Applications
Uncoated Cellulose Film	□	□	□		1	Wrapping confectionery products, overwrapping bottles.
PVdc Coated Cellulose Film	□	□		□	1	
Treated Polyester Film	□	□	□	□	1	
Untreated Polyester Film	□				1	
Polythene Sheet	□	□	□		2	Bottles, bottle caps, shrink wrap, moulded components and wrapping for food, biscuits and cigarette cartons.
Polythene Film Corona Discharge Treated	□	□	□	□	2	
Untreated Polythene Film	□	□	□	□	1	
PVdc Coated OPP Film	□	□		□	2	
Uncoated OPP Film	□	□			1	Cables, moulded components, building components.
Plasticised PVC Sheet DOP	□	□	□	□	1	
Plasticised PVC Sheet DIBP	□	□	□	□	1	
Unplasticised PVC Sheet	□	□		□	1	
Extruded PVC Sheet	□	□		□	1	Engineering plastics.
Pressed PVC Sheet	□	□	□	□	1	
Polycarbonate Sheet	□	□	□	□	1	
Polystyrene Sheet	□	□			1	
Polyamide Sheet	□	□			1	Moulded and extruded components.
ABS Sheet	□	□	□	□	1	Cables, textiles and general components.
Acrylic Sheet	□	□	□	□	1	Engineering plastics.
Neoprene	□	□		□	1	Sealants.
Natural Rubber	□	□		□	1	
Enamel Coated Steel	□	□			1	Cans.
Aluminium	□	□	□	□	1	
Stainless Steel	□	□	□	□	1	
Mild Steel	□	□	□		1	
Tin-plate	□	□	□	□	1	Bottles.
Glass	□		□		11	
Polypropylene Panels	□	□	□	□	1	Paper packaging, vouchers, forms, outer carton packaging.
Paper	□	□	□	□	1	
Cardboard	□	□	□	□	1	Textiles.
Cotton	□	□	□	□	1	
□	Excellent	□	Good			Poor (no symbol)

Data contained in this table has been derived under laboratory conditions and should be used only as guidance to aid the production of representative print samples.

IKS 279 is suitable for use in Drucker A1 plus pigment printers only

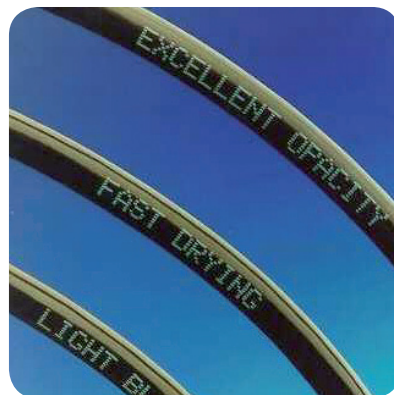
Machine with 62500 or 88khz and only 55 or 65 Mc. IKS 279 has a shelf life of 6 months



- PALE BLUE, FAST DRYING GENERAL PURPOSE
- VERY GOOD CONTRAST ON DARK SURFACES AND SUITABLE FOR USE ON OTHER COLOURED SURFACES
- VERY LOW OFFSET

OPPORTUNITIES

- FLEXIBLE PLASTICS
- MULTI-COLOURED SUBSTRATES



Advanced Fluid Details

Ink Name	IKS379	Ink Colour	LightBlue
Solvent base	MEK	Label Colour	Black

Part Numbers

		Ink Cartridge	
Make Up Cartridge	M 001	Wash Solution	S001

	Adhesion	Scratch resistance	Dry Abrasion
PvDC Coated cellulose film	○	●	
Treated polyester film	○	●	
Plasticised PVC sheet	●	●	
Corona discharged treated polythene film	○		
Stainless steel			
□	Excellent	□	Good
			Poor (no symbol)

Data contained in this table has been derived under laboratory conditions and should be used only as guidance to aid the production of representative print samples.

IKS379 is suitable for use in DRUCKER A1 plus pig. printers only

This ink should be used in ambient temperatures above 5°C at 40°C

Drucker machine 62500 or 88 khz but nozzle only 55 or 65 Mc. IKS379 has a shelf life of 6 months



- YELLOW, SOFT PIGMENTED INK
- ALCOHOL, SOLVENT AND TEMPERATURE RESISTANT
- EXCELLENT OPACITY

OPPORTUNITIES

- MULTI-COLOURED SURFACES
- FLEXIBLE AUTOMOTIVE COMPONENTS



IKS450
YELLOW
PIGMENT

Advanced Fluid Details			
Ink Name	IKS450	Ink Colour	Yellow
Solvent base	MEK	Label Colour	Black

Part Numbers			
Make Up	M 001	Wash Solution	S001

Properties And Applications						
	Adhesion	Scratch Resistance	Dry Abrasion	Wet Abrasion	Drying Time In Seconds @ 20°C	Typical Applications
ABS	□	□	□	□	<1-0	Parts, piping
Acrylic	□				<1-0	Plastic parts, mouldings
Aluminium	□				<1-0	Cans, parts, tubing, castings
Cellulose	□				<1-0	Shrink wrap
Glass					<1-0	Bottles, jars, tubing
LD/HD Polyethylene	□				<1-0	Wire, cable, parts, plastic
Mild Steel	□				<1-0	Castings, machined parts
Neoprene	□					
Nylon	□		□	□	<1-0	Cables, parts, films
Polycarbonate	□				<1-0	Moulded parts
Polythene untreated	□				<1-0	Moulded plastics
Polypropylene	□				<1-0	Bottles, caps, parts
Polystyrene	□				<1-0	Packaging, parts
PVC	□	□		□	<1-0	Piping, conduit, wire, cable
Steel, Enamel coated	□	□		□	<1-0	Cans, parts
Stainless Steel	□				<1-0	Machined parts
Acetate Film					<1-0	Packaging materials, sheets, films
Rubber					<1-0	Tubes, tires
Tin Free Steel	□					Caps, cans
□	Excellent	□	Good			Poor (no symbol)

Data contained in this table has been derived under laboratory conditions and should be used only as guidance to aid the production of representative print samples.
IKS 450 ONLY DRUCKER MACHINE A1 PLUS PIGMENT 62500 AND OLNY NOZZLE 55 MC
IKS 450 has a shelf life of 6 months



- EXCELLENT ADHESION ON HIGH DENSITY POLYETHYLENE, LOW DENSITY POLYETHYLENE AND POLYPROPYLENE
- MEK FREE
- VERY FAST DRYING

OPPORTUNITIES

- TUBES AND EXTRUSIONS
- SOFT DRINKS, DAIRY AND FOOD INDUSTRIES
- PERSONAL CARE



Advanced Fluid Details

Ink Name	IKSMF77	Ink Colour	Black
Solvent base	ETHANOL MIX	Label Colour	Black

Part Numbers

		Ink Cartridge	
Make Up Cartridge	MF001	Wash Solution	E001

Substrate	Dry Abrasion	Wet Abrasion	Adhesion	Scratch Resistance
Stainless steel		●	●	
Aluminium		●	○	●
Glass		○	●	
Polypropylene		●	●	●
HDPE		●	●	●
LDPE		●	●	●
□	Excellent	□	Good	Poor (no symbol)

Data contained in this table has been derived under laboratory conditions and should be used only as guidance to aid the production of representative print samples.
FOR ALL DRUCKER MACHINE AND FOR ALL TYPE NOZZLE 42,55,65 Mc.
IKSMF77 has a shelf life of 12 months



- BRILLIANT CONTRAST ON DIFFERENT SURFACES
- FADE RESISTANT
- EXCELLENT ADHESION ON NYLON AND PVC AND POLYETHYLENE
- NO MIGRATORY
- PERFECT CONTRAST ON DIFFERENT SUPPORT COLOR

OPPORTUNITIES

- CABLE AND WIRE
- FLEXIBLE PLASTICS
- TUBE
- FLEXIBLE FILMS



IKSNPA
 ADVANCED FLUID

Advanced Fluid Details

Ink Name	IKSNPA	Ink Colour	Black Opaque
Solvent base	MEK	Label Colour	Black

Part Numbers

Make Up Cartridge	M 001	Wash Solution	S001
-------------------	--------------	---------------	-------------

Properties And Applications

	Adhesion	Scratch Resistance	Dry Abrasion Resistance	Wet Abrasion Resistance	Drying Time In Seconds @ 20°C	Typical Applications
Uncoated Cellulose Film	□	□	□		1	Wrapping confectionery products, overwrapping bottles.
PVdc Coated Cellulose Film	□	□		□	1	
Treated Polyester Film	□	□	□	□	1	Bottles, cables, laminated credit cards.
Untreated Polyester Film	□				1	
Polythene Sheet	□	□	□		2	Bottles, bottle caps, shrink wrap, moulded components and wrapping for food, biscuits and cigarette cartons.
Polythene Film Corona Discharge Treated	□	□	□	□	2	
Untreated Polythene Film	□	□	□	□	1	
PVdc Coated OPP Film	□	□		□	2	
Uncoated OPP Film	□	□			1	
Plasticised PVC Sheet DOP	□	□	□	□	1	Cables, moulded components, building components.
Plasticised PVC Sheet DIBP	□	□	□	□	1	
Unplasticised PVC Sheet	□	□		□	1	
Extruded PVC Sheet	□	□		□	1	
Pressed PVC Sheet	□	□	□	□	1	
Polycarbonate Sheet	□	□	□	□	1	Engineering plastics.
Polystyrene Sheet	□	□			1	Moulded and extruded components.
Polyamide Sheet	□	□			1	Cables, textiles and general components.
ABS Sheet	□	□	□	□	1	Engineering plastics.
Acrylic Sheet	□	□	□	□	1	
Neoprene	□	□		□	1	Sealants.
Natural Rubber	□	□		□	1	
Enamel Coated Steel	□	□			1	
Aluminium	□	□	□	□	1	Cans.
Stainless Steel	□	□	□	□	1	
Mild Steel	□	□	□		1	
Tin-plate	□	□	□	□	1	
Glass	□		□		11	Bottles.
Polypropylene Panels	□	□	□	□	1	
Paper	□	□	□	□	1	Paper packaging, vouchers, forms, outer carton packaging.
Cardboard	□	□	□	□	1	
Cotton	□	□	□	□	1	Textiles.
□	Excellent	□	Good			Poor (no symbol)

Data contained in this table has been derived under laboratory conditions and should be used only as guidance to aid the production of representative print samples.

IKSNPA is suitable for use in Drucker A1 plus pigment printers only

Machine with 62500 or 88khz and only 55 or 65 Mc. IKSNPA has a shelf life of 6 months



Management

amministrazione@inkservicesrl.com

Technical assistance

assistance@inkservicesrl.com

Commercial

info@inkservicesrl.com

Foreign Salesman

h.meschini@inkservicesrl.com

Packaging / Shipping

logistica@inkservicesrl.com

Ink Service Srl Unipersonale

Via Inferiore Riomaggiore, 16 mn
16138 Genoa - Italy

info@inkservicesrl.com

+39 010 7412027

Office hours

09:00 - 15:30

