OFFORD® DIGITAL PRINTING INKS

Quality Inks

About us



AFFORD® is a manufacturer of inks and coatings to solve the needs of its customers decorative or functional needs in their industrial application requirements. As such, AFFORD® is a leading company in the manufacture of inkjet, screen and pad printing inks, UV varnishes, UV flexo inks and UV offset inks.

Founded in 1976, and with its headquarters in Madrid, AFFORD® products can be identified by their reliability, consistency, quality and innovation. The quality of our products is guaranteed through very tight controls and are widely recognised by our customers in more than 100 countries.

Research is a key element for the success of our company. To keep pace with innovation and to offer state of the art products we invest significantly in our R&D resources.



History

AFFORD® has been producing screen printing inks since its origins in 1976. Through these years we have developed an extensive screen printing ink range that fulfils almost any demand in the market.

Since 1984 we have been manufacturing UV curable screen printing inks, being one of the pioneers in this field. This has allowed us to develop many customised solutions that enable us to provide you a specific ink.

It was a bit later, in 1997, when we bought a business named Prosemo, who were dedicated in the production of water based textile inks. This acquisition allowed us to enter the textile market. In 2001 we produced our first plastisol inks and three years later we pioneered with non-PVC real plastisol inks.

Also in 2001, AFFORD® started our research into the production of inkjet inks, As a result, our first commercial inkjet inks were released in 2003. In 2004 our UV inkjet inks were released. Our ecosolvent inks have been available to the market since 2006.

In 2007 we purchased the screen-printing chemicals division of Urbion, who specialised in the production of emulsions and ancillary chemicals for screen printing.

In the recent years we have concentrated in the optimisation of our ink ranges, to enable our customers to operate with the best productivity.

AFFORD® is one of few companies that is dedicating R&D resources to screen printing.

In 2014 an expansion plan was implemented, adding new manufacturing capabilities and a site expansion.

In 2022 we opened a new factory in Navalcarnero, Madrid, which occupies 20.000 m2 where we are ready for the new goals of this decade.

Why choose AFFORD®

AFFORD® aims to produce the best inks and coatings. There are many companies producing inks, but we have been doing so for over 45 years and there must be good reasons for that.

We try to exceed the market standards and our production is strictly monitored to achieve batch to batch consistency.

These elements result in a unique offer that maximises throughput and warrants the consistency of the printing process. AFFORD® is an innovative company, and as such, is in constant evolution.

We are pioneers in inkjet ink manufacturing, which was started in 2001, and in UV curable inks and varnishes, where research was started in 1984. AFFORD® is recognised by the Spanish Ministry of Industry as "Innovative Company" and has been awarded many R&D recognitions through the years.

AFFORD® has state of the art research and production facilities. We are constantly looking to satisfy special requests for demanding industrial applications. Our extensive knowledge of analogue and digital systems allow us to provide the best solutions for your demands.

UV Curable Inkjet Inks





AFFORD® UV & LED inks are state of the art inks manufactured as high end products, offering superior technologies with highest performance and value.

AFFORD® UV & LED inks are considered to be leaders on the digital market. With special solutions for OCE® Arizona™ series, HP® FB™ series, Efi® Vutek™/Rastek™ and Jetrion®, Afford® can proudly provide one of the largest ink ranges of the market.

AFFORD® UV & LED inks are Plug&Play for most printers, offering superior adhesion and flexible or Rigid option. New thermo forming inks have been added to the range.

AFFORD® also offers specialty primers and coatings in order to provide a complete solution.

AFFORD® has also a range of specialty products for OEM and industrial markets, that are aimed for specific applications. Almost 40 years of experience in UV technology and over 20 years in inkjet inks make AFFORD® the right partner for your industrial applications.



AFFORD® cooperates with printhead manufacturers to achieve the goal of manufacturing superior ink technologies, consistent and reliable, friendly to end users and sustainable. AFFORD® is one step ahead in this cooperation, designing the inks of the future printheads.

Printhead compability: Ricoh® Gen3, 4, 5 & 6 Konica Minolta® 512/1024/1024i, 1800 Spectra 256, 128, Polaris and Samba, Xaar 500, 1001, 1002, 1003, 2001... Toshiba Tec CA3, CA4 & CE4, Kyocera®, Seiko® SPT...



UV Curable Inkjet Inks **NFFORD**®



UV CURABLE INKJET INKS		Series	Ink Type	Colours	Special Features	Cartrid- ges	Bottles		Chip
				C M Y K Lc Lm W V C	Or Gr R Vi	220ml 440ml	250ml 500ml 1L 5L	600ml 1L 2L	3L 5L
ROLAND	EUV	S-902	Flexible	◆ ◆ ◆	100% solid	* *			•
	EUV4	S-904	Flexible		100% solid	♦ ♦			•
MIMAKI	LH100	S-855	Rigid		Excellent adhesion on rigid substrates	•	*	•	•
	LF-140	S-885	Flexible		Excellent adhesion on rigid substrates			♦	•
	LF-200	S-885	Flexible		Excellent adhesion on rigid substrates			•	•
	LUS-120	S-912	Rigid		Excellent adhesion		•		•
	LUS-150	S-915	Flexible		Excellent adhesion		•		• • •
	LUS-170	S-917	Flexible	• • • • • •	Excellent adhesion		•	• •	• •
	LUS-190	S-919	Flexible		Excellent adhesion		•		*
	LUS-210	S-921	Flexible		Excellent adhesion		•		•
OCE ARIZONA	IC256	S-854	Rigid	• • • • • •	Good adhesion & high colour strength			. • . •	•
HP	250	S-852	Rigid	• • • • •	Perfect colour match		•		•
	225	S-845	Rigid	♦ ♦ ♦ ♦	Excellent adhesion on rigid substrates				* *
VUTEK	QS	S-848	Rigid	◆ ◆ ◆ ◆ ◆	Excellent adhesion on rigid substrates		•		• • •
	GS	S-878	Flexible		Colour match Vutek		•		♦ ♦
	KM/SEIKO/	S-850	Rigid		Excellent adhesion on rigid substrates		* *		
	XAAR/ DIMATRIX	S-880	Flexible		Flexible for roll-fed & hybrids		* *		
	RICOH GEN5/	S-838	Thermoforming	• • • • •	Thermoformable ink				
	KM 1024-1024i	S-858	Rigid		Good adhesion & high colour strength		•		
Н		S-860	Rigid		Excellent adhesion		•		
E		S-888	Flexible		High frequency				
A D		S-894	Flexible		Lower viscosity		•		
S	5.00050	S-859	Rigid	• • • • • •	Color intensity, excellent adhesion		\		
	RICOH GEN6	S-889	Flexible		Excellent stability		•		
		S-862	Rigid		Excellent adhesion hardness		+		
	KYOCERA KJ4A	S-892	Flexible		LED & UV-curable		* *		
	Epson	S-891	Rigid		LED & UV-curable		* * *		
		S-904	Flexible	◆ ◆ ◆ ◆ ◆ ◆ ◆	Solvent free ink		* * *		

Colors: C: Cyan/ M: Magenta/ Y: Yellow/ K: Black/ Lc: Light Cyan/ Lm: Light Magenta/ W: White/ V: Varnish/ Or: Orange/ Gr: Green/ R: Red/ Vi: Violet.









Ecosolvent & Mildsolvent Inkjet



Most AFFORD® ECO series are full color and chemically compatible (Plug & Play) to its OEM counterparts.

702, 703, 704, 707, 714, 723, 724, 725 & 732 series were specially developed to benefit from the superior technologies that AFFORD® can offer to their OEM/Partners in the ECO & MILD SOLVENT market, with wide color gamut, fast drying, exceptional scratch resistance and odorless inks.

AFFORD® has also developed non hazardous ecosolvent inks, converting this segment of inks into a real ecological alternative.

Fully compatible to eco/mild solvent wide format printers, these ink ranges don't need color profile (ICC). They provide excellent scratch resistance and lightfastness to the prints. In some of these series, their formulations are free from VOC's and other hazardous chemicals, resulting in an odorless ink that can be worked in closed rooms.



	LVENT & MILD- NT INKJET INKS	Series	Ink Type			Col	ours				S	pecial Features			Cartridges	Bott	le	Bá	ags	C	Chip
				СМ	YK	Lc Lm	S Lk C	Or R Gr	FY FP						220ml 440m	1L	5L 500	ml 600ml	1L	2L	
	ECOCOL MAY	S-707	Plug & Play	♦	♦	• •					S	Standard version			♦ ♦	, ♦.	♦ .			•	•
	ECOSOLMAX	S-741	Plug & Play	•	♦	• •					La	abel free, GBL free	Ż.		•	. •			•	•	♦
R	ECOSOLMAX 2	S-702	Plug & Play	•	•	• •	♦	• •	* *			White available			•	•		•	•		♦
0		S-742	Plug & Play	•	♦	• •	•	• •	* *		La	abel free, GBL free			•	•			•		♦
L A	ECOSOLMAX 3	S-703	Plug & Play	♦	♦	• •	•			Orang	e, red and g	reen available. Flu	colors available		•	•			•		\
N D	TRUEVIS TR	S-704	Plug & Play	•	♦	• •						Very stable					•				♦
D		S-714	Plug & Play	♦	♦	• •	•	• •		Orang	e, red and g	reen available. Flu	colors available								♦
	TRUEVIS TR2	S-712	Plug & Play	♦	♦	• •	•	• •		Orange	and green ava	ailable. Fluo colors av	aiable, GBL free ink	<			. •				•
	222	S-725	Plug & Play	♦	+	• •	•	•			(Orange available.			•	•			•	•	•
М	SS21	S-745	Plug & Play	♦	♦	• •	•	•			La	<mark>abel free,</mark> GBL free			•				•	•	•
l M	BS3	S-723	Plug & Play	♦	♦	• •						Very stable			4			•		•	♦
А	DC 4	S-724	Plug & Play	•	♦							Very stable						•		•	♦
K	BS4	S-744	Plug & Play	•	♦						Lá	abel free, GBL free						•		•	♦
	CS100	S-726	Plug & Play	•	♦						Lá	abel free, GBL free				•					♦
	MS51	S-707	_	•	♦	• •						Packing as OEM			•				•		♦
митон	1624	S-707	-	•	♦	• •						Packing as OEM			•				•		♦
	ULTRA	S-707	_	•	♦	• •						Packing as OEM							•		♦
EPSON	30600/40600/ 60600/80600	S-707	-	•	♦	• •	•	\			Car	tridges not availab	le			♦					\
H E	EPSON i3200	S-732	-	♦	♦	• •		♦ ♦	* *		Best pe	erformance for this	head			•	♦				♦
. A	KONICA MINOLTA	S-138	-	•	♦	♦						Intense colors				•	♦				♦
D S	RICOH GEN5	S-132	-	•	♦	♦					La	abel free, GBL free				•	♦				♦

Colors: C: Cyan/ M: Magenta/ Y: Yellow/ K: Black/
Lc: Light Cyan/ Lm: Light Magenta/ Lk: Light Black/
S: Silver/ Or: Orange/ Gr: Green/ R: Red/
FY: Fluo Yellow/ FP: Fluo Pink.

Solvent Inkjet Inks



AFFORD® origins in inkjet inks started in 2001 with the development of solvent based inks. After long research and the inks were introduced, exceeding the customers needs. Since then, we have continued our research and development, offering nowadays the best quality solutions of the market.

Solutions are provided for classical heads and for high frequency firing modern heads. Outstanding color gamut, top lightfastness and exceptional stability in production are the characteristics of our solvent based inks.

Our own milling system results in the best color gamut of the market coupled with an outstanding printhead preservation, thus allowing our customers to save ink consumption and maintenance.

Printhead compatibility: Xaar® 128/200, 128/360, Spectra® 256, Spectra® 128, Seiko® 510, Konica Minolta® 512/42, 512/14, 1024/14, Spectra Polaris® 15pl, Ricoh® Gen 4 & 5

Packaging: 1 & 5 liter bottles

	/ENT ET INKS	Series		Colours	Special Features	Bottle
			CMY	K Lc Lm Lk Ly		1L 5L
	XAAR 128/SCITEX XLJET	S-110	♦ ♦		Highly stable and deep colors	* *
I G	SCITEX TURBOJET	S-111	• • •		Exceptional stability	• •
H	VUTEK/DIMATRIX 256	S-115			Very good color gamut	* *
F	JETI/DIMATRIX 128	S-120	♦ ♦		Very good printhead stability	• •
A S	POLARIS 15PL	S-151	◆ ◆		Very stable and reliable	* *
	KM 512/1024, SEIKO	S-158	♦ ♦		Very high color intensity	• •
NON	XAAR 128/SCITEX XLJET	S-100	♦ ♦		High color intensity and good stability	* *
L	SCITEX TURBOJET	S-101	♦ ♦		Very reliable	* *
G H	VUTEK/DIMATRIX 256	S-105	♦ ♦		Very good color gamut	* *
Т	JETI/DIMATRIX 128	S-104	♦ ♦		Exceptional red shades	* *
F	POLARIS 15PL	S-103	♦ ♦		Very reliable and strong colors	* *
S	KM 512/1024, SEIKO	S-104	♦ ♦		Very high color intensity	* *
Т	EPSON	S-106	♦ ♦		Good printhead performance	\

Colors: C: Cyan/ M: Magenta/ Y: Yellow/ K: Black/ Lc: Light Cyan/ Lm: Light Magenta/ Lk: Light Black/ Lv: Light Yellow

Water Based Inkjet Inks

AFFORD® produces water based inks for inkjet printers for both Thermal Inkjet Technology and Piezo Inkjet Technology.

AFFORD® manufactures both pigment and dye based inks.

Excellent performance and high resolution on all medias, with consistent color density values and wide color gamut, are the main characteristics of AFFORD® water based inks.

AFFORD® also develops many inkjet ranges for industrial applications, in which an environmentally friendly ink is essential, such as wood laminates, parquet flooring, book edition, magazine printing, etc.

Print-Head Compatibility: Epson®, Thermal (Hp® and Canon®), Kyocera®.



WATER BASED Seri					Cold	ours					Special Features	Cartridges	Bo- ttles
Hardware / Printhead		СМ	Y	K	Lc	Lm	Lk	Llk	Mk	Ор		680ml 700ml 775ml	1L
HP LATEX 3xx	S-331	♦	•		♦	♦				•	Plug & Play	♦	
Canon TX2000 & TX4000	S-602		•		♦	♦	♦	♦	♦		Plug & Play	•	
Epson DX5/DX6/DX7 printers	S-611	•	♦		♦	♦	•	♦	♦		High gamut pigment inks for proofing		•
HP DesignJet 5000/5500	S-670		•		♦	♦					Dye inks, very close QEM colour match	•	♦
HP DesignJet 5000/5500	S-675		•		♦	♦					Pigment inks with close match to OEM	•	♦
HP DesignJet Z6100 Series	S-685	•	♦	•	•	♦	♦	♦			Good adhesion & high colour strength	•	
Canon 8100									♦		Plug & Play	•	
Canon 8400	S-706	◆		•							Plug & Play	•	

Colors: C: Cyan/ M: Magenta/ Y: Yellow/ K: Black/ Lc: Light Cyan/ Lm: Light Magenta/ Lk: Light Black/ Mk: Matte Black/ Op: Optimizer

Textile Inkjet Inks



AFFORD® has formulated textile inks that fill a growing demand from the market. AFFORD® textile inks are vivid and strong in color and offer an outstanding long run performance, that allows our customers to save money in inks and maximize their productivity.

AFFORD® inks are ecofriendly formulated, free from Alkylphenolethoxylate (APE). For some ranges an OEKO-Passport certification can be provided. Some of the ink series have other well known certifications. Pls, ask for them.

AFFORD® Textile inks are manufactured to operate with the most demanding printing conditions with any printer and printhead available in the market.

AFFORD® sublimation inks offer fast drying on coated as well as uncoated papers, maximizing ink transfer and minimizing ink cost. AFFORD® pigment inks provide excellent colors with top washing fastness.

Print-Head Compatibility: Epson® DX series, Ricoh®, Spectra®, Konica® Minolta, Kyocera®.

More recently AFFORD® is leading the DTF revolution, producing the most stable and washfastness inks of the market for different printheads.

Packaging:

- 1 liter bottle
- 1 & 2 liter bag

	TILE JET INKS	Series						Со	lour	S						Special Features	Car.	В	ottle			Bags	
			С	М	Υ	K	FY	FO	FP	FG	W	Or	R	3r	Vi		440ml	1L	5L	500ml	600ml	1L	2L
DTF	EPSON HEAD	S-650	•	♦	♦	•	♦	•	♦	•	♦	•	•		\	Widest color range of the market, multiple certifications		♦	♦			♦	
5.,	RICOH GEN 5 HEAD	S-658	•		•		♦	♦	♦	•	♦	•	•		\	Multiple certifications		♦	♦			♦	
	EPSON HEAD	S-663	•		♦	•					♦					Very good washing fastness		♦		♦			
DTG	KM 1024/RICOH GEN5	S-666	•		•						♦					Excellent printhead performance			♦				
	KORNIT	S-667	•	•	•						♦					Very good stability			♦				
SU-	EPSON HEAD	S-705	•	•	•				♦			•			\	Multiple certifications	♦	♦	♦		♦	♦	♦
BLI- MA-	KM 1024/RICOH GEN5 4	S-638	♦		•				♦							Color vibrancy and stability		•	♦				
TION	KYOCERA KJ4B	S-639	•		•				♦							Color vibrancy and stability			♦				

Colors: C: Cyan/ M: Magenta/ Y: Yellow/ K: Black/ W: White / Or: Orange/ Gr: Green/ R: Red/ FY: Fluo Yellow/ FP: Fluo Pink/ FO: Fluo Orange/ Vi: Violet

Adhesion Promoters & Primers



AFFORD® produces a wide variety of primers. The differences between the printing materials force us to create specific solutions for different substrates. Some of the primers are produced in order to enhance adhesion, whilst in other cases, the primers can also help to provide more vivid and stronger colours.

Due to the wide variety of application systems AFFORD® recommends testing different primers in order to select the best one for your application.



Single Pass Solutions



AFFORD produces inkjet inks for single pass. There are many applications where single pass printing is used due to its high productivity and inks can be water based or UV curable.





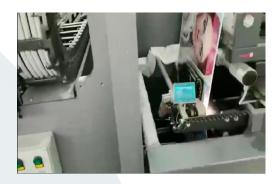


AFFORD has developed water based solutions for the following markets:

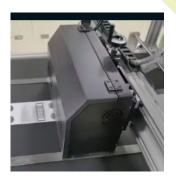
- · Corrugated cardboard packaging
- Plastic packaging
- Mailing
- Invoice printing
- · Newspaper printing
- · Dye sublimation printing
- · Textile pigment printing
- · Decor Flooring/ Wallcoverings

Our UV inkjet inks for single pass are used for:

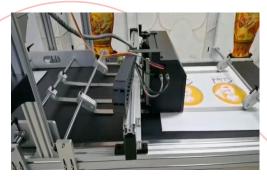
- Plastics printing (sheet printing)
- · Label printing
- · Wood grain imitation markets
- Flooring
- · Bottle printing

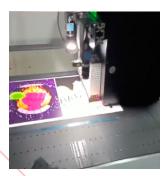












Our inks are well known for its outstanding stability and consistency. We work with the main printhead suppliers (Kyocera, Konica Minolta, Ricoh, Dimatix and others) in the industry in order to optimize the ink performance on the printing system.

OEM Solutions



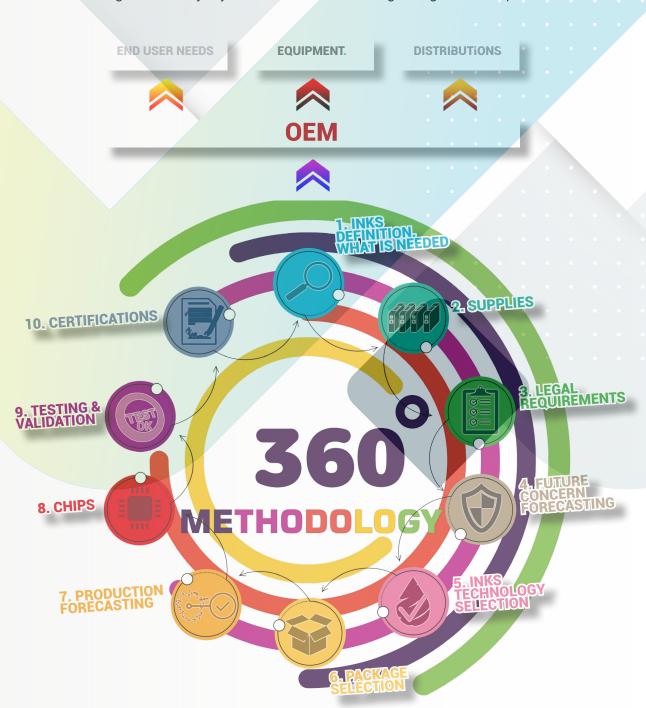
AFFORD has outstanding R&D facilities and a new state of the art factory of 20.000 sqm in Madrid.

R&D is at the DNA of AFFORD. An incredibly well equiped analitycal laboratory with the latest tools for R&D and characterisation of inkjet inks, allows us to produce fast and efficient development projects, which have been recognised with a number of awards for innovation.

We have a fully equipped technical print facility where we have a wide range of equipment, covering all technologies: UV, Ecosolvent, water based, DTG, DTF.

This enables us to test in house inks that we develop, assuring good results and shortening development times. We value flexibility and partnership, and this sets us apart from most of our competition. We aim to be the partner for your next project and we aim to create formulations that adapt to and best meet your needs.

AFFORD has developed its 360 methodology. This methodology has been developed through 20 years of relationships with OEMs and simplifies the communication process with the OEM. It establishes very clear definitions of our partners goals to achieve and integrates the key objectives and establishs a long lasting and stable product in the market



NFFORD®

Contact Us

Dehesa Mari Martín 4, 28600 Navalcarnero - Madrid (Spain)

general@afford-inks.com / www.afford-inks.com

Tel: (+34) 916 421 789 / Fax: (+34) 916 421 834