



INK BROCHURE

ANSER
CODING
INC.

Unmatched Ink Performance

Water Based Ink

Solvent Based Ink

Specialty Ink



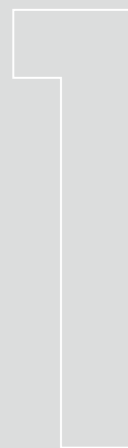
“
The ANSER to your CODING needs
”

ANSER is a total solution provider for
Thermal Ink Jet (TIJ) technology.
We offer a wide range of cartridge selection,
thus giving you more ink solution to
meet your coding needs.



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Why Thermal Ink Jet

1. High-Resolution Printing

Up to 600dpi print resolution for printing crisp texts, 1D/2D barcodes and graphics.

2. High-Speed Printing

Up to 300m/min print speed for fast production coding.

3. Long-Distance Printing

Up to 10mm print distance for uneven surface and bottle coding.

4. Safe & Eco-Friendly

Sealed ink cartridge design, delivers only the ink necessary for printing with limited ink waste.

Solvent-based inks with low volatile organic compounds (VOCs) to reduce air pollution and health risks for employees.

TIJ uses less power - up to 80% less - compared to CIJ technology.

5. Cost-Saving

No regular printhead maintenance required.

No technician required for printhead maintenance.

Minimal training required for daily operation.



Unmatched Ink Performance

We take into account of critical factors within production lines, such as substrate adhesion, working temperature, continuous print reliability, service frequency or many others.

Our job is to know each ink's characteristic and its performance limitation, and to provide maintenance-free ink selection that best suits your production requirements. Whether it is non-stop high speed printing at 35°C, or low speed case coding with intermittent production downtime at 15°C.

ANSER Ink Quality Assurance Program goes beyond original ink manufacture's quality standard, and provides even more rigorous tests to ensure every ink lives up to its performance specification.

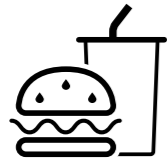




Solvent Based Ink

Our solvent-based ink portfolio provides high-quality, high-adhesion and fast-drying inks to meet every industry's coding demand. Whether your requirement is drying performance on substrate, or long decap maintenance ease, you have the ANSER.

Food & Beverage



PP film, PET shrink label, LDPE / HDPE container, BOPP film & pouch bag, Metal / Glass can

Cosmetic & House care



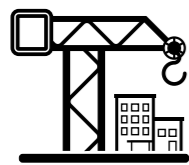
PP / PS / Metal caps, PE tube, ABL / PBL laminate tube PET / HDPE / Glass container

Pharmaceutical



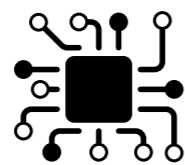
PP vial, PET label, PE tube, ABL / PBL laminate tube, Aluminum blister foil, Glass ampoules

Construction



PVC / HDPE pipe, ABS enclosure box , Metal / Cement / Glass / Ceramic surface objects

Electronics



FPC / FFC cable , PCB board, PVC cable, ABS / Metal housing



High Adhesion Ink

S2

- 2 hours+ decap time
- Water resistance
- RoHS Certification
- ISEGA Certification

Ink Darkness

5					1				
Suitable Substrates									
Aqueous Varnish Coat		Paper		PET		PP, OPP			
LDPE	HDPE	Aluminum	Glass	PVC					

S2

H-S03

- 24 hour decap time
- Long shelf life

Ink Darkness

5					1				
Suitable Substrates									
Aqueous Varnish Coat		Paper		PET		PP, OPP			
LDPE	HDPE	Aluminum	Glass	PVC					

H-S03

H-S06

- Great durability to against low temperature

Ink Darkness

5					1				
Suitable Substrates									
Aqueous Varnish Coat		Paper		PET		PP, OPP			
LDPE	HDPE	Aluminum	Glass	PVC					

H-S06

H-S07

- Remarkable printing reliability
- Long decap time
- ISEGA Certification

Ink Darkness

5					1				
Suitable Substrates									
Aqueous Varnish Coat		Paper		PET		PP, OPP			
LDPE	HDPE	Aluminum	Glass	PVC					

H-S07

H-S08

- Superior long decap time
- Long shelf life
- ISEGA Certification

Ink Darkness

5					1				
Suitable Substrates									
Aqueous Varnish Coat		Paper		PET		PP, OPP			
LDPE	HDPE	Aluminum	Glass	PVC					

H-S08

One Inch Ink

Colored Ink

Ink Darkness



Suitable Substrates

Aqueous Varnish Coat	Paper	PET	PP, OPP
LDPE	HDPE	Aluminum	Glass
			PVC

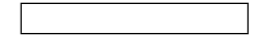
I-S01-1

- Water resistance

S1 White

- Water resistance

Color reference



Suitable Substrates

Aqueous Varnish Coat	Paper	PET	PP, OPP
LDPE	HDPE	Aluminum	Glass
			PVC

Ink Darkness



Suitable Substrates

Aqueous Varnish Coat	Paper	PET	PP, OPP
LDPE	HDPE	Aluminum	Glass
			PVC

I-S02-1

- Long decap time
- Wide substrates coverage

S1 Yellow

- Water resistance

Color reference



Suitable Substrates

Aqueous Varnish Coat	Paper	PET	PP, OPP
LDPE	HDPE	Aluminum	Glass
			PVC

H-S04B

- Water resistance

Color reference



Suitable Substrates

Aqueous Varnish Coat	Paper	PET	PP, OPP
LDPE	HDPE	Aluminum	Glass
			PVC

H-S05G

Color reference



Suitable Substrates

Aqueous Varnish Coat	Paper	PET	PP, OPP
LDPE	HDPE	Aluminum	Glass
			PVC



Solid 1-inch Cartridge



Stitched Cartridges





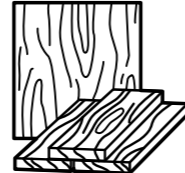
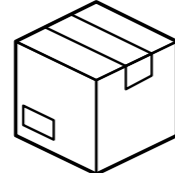
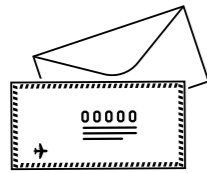
Water Based Ink

ANSER offers a wide range of water-based ink selections for both 0.5-inch & 1-inch cartridges. Whether you are looking for UV / water resistant ink for coding durability, high barcode readability grading ink for logistic track-n-trace, or economical bulk ink solution to reduce your cost per print, you have the ANSER!

Paper & Card Board

Corrugated Box

Wood & Lumber



High Density Ink

H-A01

- Water & UV resistance
- Fast Dry time

Ink Darkness				
5				1
Suitable Substrates				
Aqueous Varnish Coat	Paper	PET	PP, OPP	
LDPE	HDPE	Aluminum	Glass	PVC

H-A01

H-A03

- UV resistance
- Fast Dry time

Ink Darkness				
5				1
Suitable Substrates				
Aqueous Varnish Coat	Paper	PET	PP, OPP	
LDPE	HDPE	Aluminum	Glass	PVC

H-A03

H-A09

- Water & UV resistance
- Long decap time

Ink Darkness				
5				1
Suitable Substrates				
Aqueous Varnish Coat	Paper	PET	PP, OPP	
LDPE	HDPE	Aluminum	Glass	PVC

H-A09

One Inch Ink

I-A01-1

- Water & UV resistance

Ink Darkness				
5				1
Suitable Substrates				
Aqueous Varnish Coat	Paper	PET	PP, OPP	
LDPE	HDPE	Aluminum	Glass	PVC

I-A01-1

I-A04-1

- Water & UV resistance

Ink Darkness				
5				1
Suitable Substrates				
Aqueous Varnish Coat	Paper	PET	PP, OPP	
LDPE	HDPE	Aluminum	Glass	PVC

I-A04-1

Bulk Ink System

Colored Ink

Ink Darkness



Suitable Substrates

Aqueous Varnish Coat		Paper	PET	PP, OPP
LDPE	HDPE	Aluminum	Glass	PVC

H-A01-BIS

- 420ml for large volume production printing
- Water & UV resistance
- Excellent long decap time in every working temperature

P1 Blue

- Fast printing on porous substrates
- High contrast color

Color reference



Suitable Substrates

Aqueous Varnish Coat		Paper	PET	PP, OPP
LDPE	HDPE	Aluminum	Glass	PVC

Ink Darkness



Suitable Substrates

Aqueous Varnish Coat		Paper	PET	PP, OPP
LDPE	HDPE	Aluminum	Glass	PVC

H-A05-BIS

- 420ml for large volume production printing
- Excellent long decap time in every working temperature

P3 Red

- Fast printing on porous substrates
- Bright and contrast color

Color reference



Suitable Substrates

Aqueous Varnish Coat		Paper	PET	PP, OPP
LDPE	HDPE	Aluminum	Glass	PVC

H-A08G

- Excellent decap time in 25° C working environment

Color reference



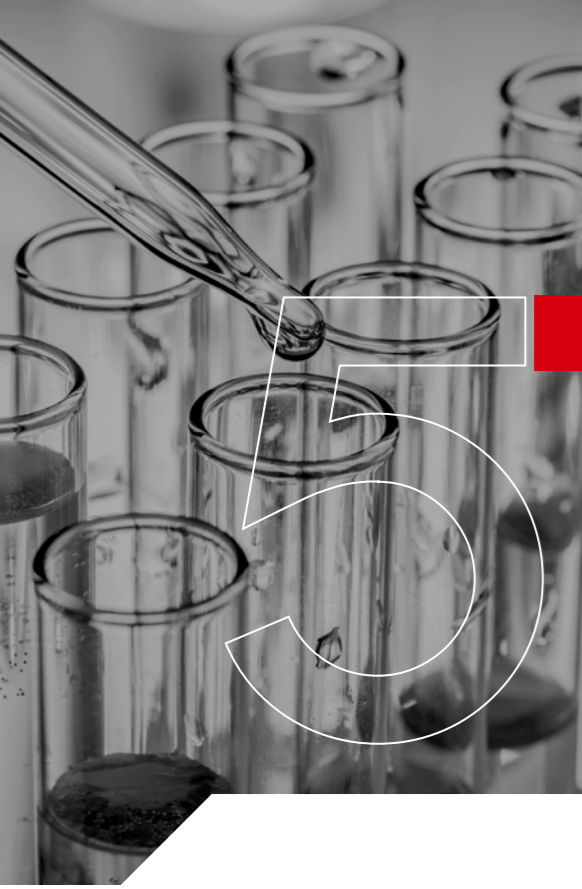
Suitable Substrates

Aqueous Varnish Coat		Paper	PET	PP, OPP
LDPE	HDPE	Aluminum	Glass	PVC

Print
More
Save
More

Competitive low cost-per-print





Specialty Ink

Our line of specialty inks ranges from certified food-grade ink as requested by food manufacturers, to invisible ink used for security coding, or UV-Curing ink for coding on difficult substrates.



Food Grade Ink

F-A501B

- Complies with FDA, and EU food regulations and Kosher certification
- Target on Eggshell, Copy Paper, Cardboard and other Porous Materials

Color reference



F-A501B

F-A502R

- Complies with EU food regulations and Kosher certification

Color reference



F-A502R

F-A503R

- Complies with FDA regulations and Kosher certification

Color reference



F-A503R

F-A504

- Complies with FDA, and EU food regulations and Kosher certification

Ink Darkness



Suitable Substrates

Aqueous Varnish Coat	Paper	PET	PP, OPP
LDPE	HDPE	Aluminum	Glass
			PVC

F-A504

Invisible Ink

POUV

- Water-based UV invisible ink (purple)
- Anti-counterfeit and secure important or confidential document
- Can be printed on coated paper, cardboard and other porous materials

H-S601R

- Solvent based UV invisible ink
- Anti-counterfeit and secure important or confidential document
- Excellent adhesion for varying substrates: Can be printed on PP films, PET & PVC, and other porous materials

POUV

H-S601R

ANSER Ink Data Sheet



Ink Type	Model Name	Color	Printable Volume	Darkness	Decap Time * (Min)	Adhesion Performance on substrate									Applicable Models								
						Coated Paper	Carton	PET	OPP	LDPE	HDPE	PVC	Aluminum	Glass	NexGen		U2						
															ANSER X1	ANSER A1	Pro S	Smart	Smart ONE	Diesel	Mobile S	Mobile ONE	
Solvent Based Ink	S1 Yellow	Yellow	32	—	60	5	5	4	3	0	0	3	0	0	●	●	●					●	
	S1 White	White	32	—	20	5	5	4	2	0	0	2	0	0	●	●	●					●	
	S2	Black	32	3	120	5	5	2	2	3	0	4	1	0	●	●	●					●	
	H-S03	Black	32	3	120 +	5	5	1	1	0	0	1	2	0	●	●	●					●	
	H-S04B	Blue	32	—	1	—	—	—	—	—	—	—	—	—	●	●	●					●	
	H-S05G	Green	32	—	1	—	—	—	—	—	—	—	—	—	●	●	●					●	
	H-S07	Black	32	5	120	5	5	5	5	5	3	5	3	3	●	●							
	H-S08	Black	32	5	120	5	5	4	5	5	4	5	3	3	●	●							
	I-S01-1	Black	32	3	15	5	5	3	1	1	0	4	3	4	●	●					●		●
	I-S02-1	Black	32	3	15	5	5	4	5	3	1	4	5	2	●	●					●		●
Water Based Ink	H-A01	Black	42	5	120	<5sec	<5sec	—	—	—	—	—	—	—	●	●	●	●				●	
	H-A01 -BIS	Black	420	5	120	<5sec	<5sec	—	—	—	—	—	—	—	●						●		
	H-A03	Black	42	4	120	<10sec	<5sec	—	—	—	—	—	—	—	●	●	●	●				●	
	H-A05 -BIS	Black	420	4	120	>60sec	<5sec	—	—	—	—	—	—	—	●			●		●			
	H-A06B	Blue	42	—	120	<3sec	<3sec	—	—	—	—	—	—	—	●	●	●	●				●	
	H-A08G	Green	42	—	120	<3sec	<3sec	—	—	—	—	—	—	—	●	●	●	●				●	
	H-A09	Black	42	5	120	<20sec	<3sec	—	—	—	—	—	—	—	●	●					●		
	I-A01-1	Black	42	5	120	<5sec	<3sec	—	—	—	—	—	—	—	●	●					●		●
	I-A04-1	Black	42	4	120	10sec	<3sec	—	—	—	—	—	—	—	●	●							
	I-A06-1	Black	42	5	120	10sec	<3sec	—	—	—	—	—	—	—	●	●							
	P1 Blue	Blue	42	—	5	—	—	—	—	—	—	—	—	—	●	●	●	●				●	
	P1 Red	Red	42	—	15	—	—	—	—	—	—	—	—	—	●	●	●	●				●	
	Specialty Ink UV Fluorescence ink UV Curing Ink	POUV	Purple	42	NA	120	—	—	—	—	—	—	—	—	—	●	●	●	●				
H-S601R		Red	32	NA	120	5	5	3	0	0	0	0	0	0	●	●	●					●	
H-S701		Black	32	3	30	5	5	5	5	5	0	5	5	5	●	●	●					●	

* Decap Time performance at room temperature (25°C)
 * Disclaimer: Ink performance may vary according to the substrate, and environmental conditions. The information presented in this data sheet is intended only as a reference and does not infer a warranty of performance.

Food Grade Ink Index

Model Name	F-A501B	F-A502R	F-A503R	F-A504
Color	Blue	Red	Red	Black
Printable Volume	32	32	32	32
Decap Time (Min)	1	5	1	1

Regulatory Reference Table

EUROPE Regulation No. 231/2018 Laying down specification for food additives and Regulation No. 1333/2008 on food additives	EU - Chocolate Not permitted to color the chocolate Permitted to decorate chocolate --> maximum limit applies
	EU - Hard confectionery, candy and soft confectionery, jelly confectionery, chewy candy and other products such as fondant, fudge, liquorice, caramels, toffees, nougats, marzipan, ...
	EU - Breath freshening microsweets
	EU - Chewing-gum
	EU - Fine bakery wares including sweet, salty and savoury products and unsweetened products
USA Code of Federal Regulations Title 21 CFR, Part 73-74 & 172-184	US - Inks for marking confectionery
Mexico Additives Agreement determining additives and adjuvants in foods, beverages and dietary supplements, use and health regulations. Issued on July 16, 2012	Mex - Fine bakery wares
	Mex - Confectionery
Japan Japan's specifications and Standards for Food additives (JSFA) 9th ed. and Food Sanitation Act No. 223	JP - Bakery confectionery, candies, chewing gums and decorations for confectionery
Korea Food Additives Code (#2021- 19(2021.3.9.))	KR - Confectionery, Candies, Chewing-gum
China Chinese Standards for Food Additives - GB2760-2014	CH - Decorations on pastries

F-A501B	F-A502R	F-A503R	F-A504
●	●	—	●
●	●	—	●
●	●	—	●
●	●	—	●
●	●	—	—
●	—	●	●
●	Not determined	●	●
●	Not determined	—	Permitted --> maximum limit applies
●	—	●	●
●	—	●	●
●	—	●	●