MORE CHOICES

Printing Parameter

No.	Item Name	Temp.(℃ / °F)	Time(S)	Remark
1	11oz Ceramic Mug/Glass Mug 15oz Ceramic Mug	180°C 360 °F	120 150	1. Print on sublimation paper, mirror image; 2. Use JTrans mug press; 3. Place the mug into the mug press in proper position to avoid handle breaking; 4. Use medium pressure.
2	Water Bottle (Aluminium/ Stainless Steel Material)	180°C 360 °F	35-45	1. Print on sublimation paper, mirror image; 2. Use JTrans mug press; 3. Take off the lid before printing; 4. Use low pressure.
3	Ceramic Plate	190°C 375 °F	240	1. Print on sublimation paper, mirror image; 2. Place the plate flat; 3. Use medium pressure.
4	Ceramic Tile	180-190°C 360-375 °F	150-200 300-420	1. Print on sublimation paper, mirror image; 2. Use flat heat press; 3. Print with the printable side facing the silicone mat for better result; 4. Use medium pressure.
5	Ceramic Ornament	180°C 360 °F	100	1. Print on sublimation paper, mirror image, and print two images for an ornament; 2. Fix the images to both sides of the ornament; 3. Flip over and print another 100S after printing one side; 4. Use medium pressure, to prevent the ornament from being crushed.
6	Metal Board (Aluminium/Metal Material)	200°C 360-390 °F	40	1. Print on sublimation paper, mirror image; 2. Tear off the protective film on the insert before printing; 3. Use flat heat press; 4. Use high pressure.
7	Imported Grade LA J·iCase® Aluminium Sheet	180°C 360 °F	45	1. Print on sublimation paper, mirror image; 2. Tear off the protective film on the insert before printing; 3. Print with the image facing down; 4. Use medium pressure.
8	Imported Grade A and AA J·iCase® Aluminium Sheet	180°C 360 °F	55	1. Print on sublimation paper, mirror image; 2. Tear off the protective film on the insert before printing; 3. Print with the image facing down; 4. Use medium pressure.
9	Plastic Christmas Ornament (Both -side Printable)	180°C 360 °F	50	1. Print on the sublimation paper, mirror image; 2. Print one side for the 50s; 3. Peel off the image after printing the first side, wait for cooling and print the second side for the 50s.
10	Imported CL Aluminium Board	190°C 375 °F	100	1. Print on the sublimation paper, mirror image; 2. Print with the image facing down; 3. Use low or medium pressure.
11	Lighter	180°C 360 °F	90-120	1. Print on sublimation paper, mirror image; 2. Both sides are sublimatable; 3. Use medium pressure, or the lighter will deform.
12	Stainless Steel Bottle Opener	180°C 360 °F	100	1. Print on sublimation paper, mirror image; 2. Fix images on both the two sides, print one size for 60 seconds, then flip it over to print the other side for 40 seconds; 3. Use medium pressure, or the bottle opener will deform.
13	Metal Name Card	180°C 360 °F	40	1. Print on sublimation paper, mirror image; 2. Printing image face down; 3. Both sides are printable, print one side then the other; 4. Cover with protective paper.
14	Sublimation Glass Frame	180°C 360 °F	120	1. Print on sublimation paper, do not mirror image; 2. Don't stick the thermal tape on the printable side; 3. Print the glass frame with printable side facing the heat platen; 4. Use medium pressure.
15	Glass Cutting Board (Tempered Glass)	180°C 360 °F	120-180	1. Print on sublimation paper, no mirror image; 2. Use flat heat press; 3. Use medium pressure.
16	Sublimation Crystal	180°C 360 °F	120-180	1. Print on sublimation paper, no mirror image; 2. Don't stick the thermal tape on the printable side; 3. Put the crystal on the worktable with the back side facing the heat platen, and preheat for 2-3 minutes; 4. Flip it over with the printable side facing the heat platen, and print for 2-3 minutes.
17	Photo Slate	180°C 360 °F	420-600	1. Print on sublimation paper, mirror image; 2. Match the image and printable side tightly without margin; 3. Printing image side down, preheat the silicone mat before printing; 4. Use medium pressure.
18	Marble Coaster	180°C 360 °F	150	1. Print on the sublimation paper, mirror image; 2. Print the coaster with image facing down; 3. Use medium pressure.
19	Shell Necklace/Earring	180°C 360 °F	60-90	1. Separate the pendant from necklace or ear hook; 2. Print on sublimation paper, mirror image; 2. Fix images on both the two sides, print one side for 60 seconds, then flip it over to print the other side for 30 seconds; 3. Connect the pendant to necklace or ear hook.
20	Plastic Mug	170°C 340 °F	120	1. Print on sublimation paper, mirror image; 2. Put the printing tool into the mug before printing to avid deformation; 3. Use low pressure.
21	FRP Flat Item	190°C 375 °F	60	1. Print on sublimation paper, mirror image; 2. Peel off the protection film before printing; 3. Use low pressure.
22	Acrylic	180 360 °F	80	1. Print on sublimation paper, do not mirror image; 2. Before printing, peel off the protection film on the printed side; 3. Use low pressure; 4. After printing, peel off the protection film on the backside.
23	Sublimation Film	190°C 375 °F	60	1. Print on sublimation paper, do not mirror image; 2. Print on the frosted side.
24	Wine Bottle Adhesive Sticker	180°C 360 °F	100	1. Print on sublimation paper, do not mirror image; 2. Print on a smooth surface, and fix the image with heat-resistant tape; 3. Peel off the backing paper after printing, and stick it on the wine bottle.
25	Hardboard Items	190°C 375 °F	70-110	1. Print on sublimation paper, mirror image; 2. Tear off protection film before printing; 3. Use medium pressure.
26	Plywood	190°C 375 °F	50	1. Print on sublimation paper, mirror image; 2. Use low pressure;
27	Puzzle (Paper/Felt/Fabric/ Hardboard Material)	180°C 360 °F	120	1. Print on sublimation paper, mirror image; 2. Match image and printable side tightly without margin; 3. Use medium pressure.
28	Fridge Magnet	180°C 360 °F	120	1. Print on sublimation paper, mirror image; 2. Use flat heat press; 3. Use medium pressure.
29	T-Shirt (Light Color Cotton Material) Use ZQA4/ZQA3 light color transfer paper printing	180°C 360 °F	25	1. Printing on light color transfer paper through printer with pigment ink, mirror image; 2. Print with flat heat press in high pressure; 3. Peel off the transfer paper immediately after printing; 4. For light-color cotton T-shirts only.

No.	Item Name	Temp.(℃ / °F)	Time(S)	Remark
30	T-Shirt (Dark Color Cotton Material) Use ZSA4/ZSA3 dark color transfer paper printing	180℃ 360 °F	25	1. Printing on dark color transfer paper through printer with pigment ink, do not mirror image; 2. Peel off base paper before printing, stick the image on T-shirt upwards and put silicon paper above; 3. Print with flat heat press in high pressure; 4. Cold peel only; 6. For dark-color T-shirts only.
31	T-Shirt (Light Color Cotton Material) Use JETPRO Light color transfer paper printing	190℃ 375 °F	18	1. Printing on light color transfer paper through printer with pigment ink, mirror image; 2. Print with flat heat press in high pressure; 3. Peel off the transfer paper immediately after printing; 4. For light-color cotton T-shirts only.
32	T-Shirt (Dark Color Cotton Material) Use G JET dark color transfer paper printing	170℃ 340 °F	15	1. Printing on dark color transfer paper through printer with pigment ink, do not mirror image; 2. Peel off base paper before printing, stick the image on T-shirt upwards and put silicon paper above; 3. Print with flat heat press in high pressure; 4. Cold peel only; 6. For dark-color T-shirts only.
33	Vinyl	160℃ 320 °F	10-15	1. Cut mirror image with vinyl cutter; 2. Tear or cut off leftover vinyl; 3. Lay the cut-out vinyl on T-shirt and sublimate; 4. Cold peel.
34	Poli-Tape Vinyl	160℃ 320 °F	15	1. Cut mirror image with vinyl cutter; 2. Tear or cut off leftover vinyl; 3. Lay the cut-out vinyl on T-shirt and sublimate; 4. Cold or hot peel.
35	Poli-Tape Subli-Print Vinyl	190℃ 375 °F	30	1. Print image on vinyl; 2. Cut out image with vinyl cutter; 3. Lay the cut-out vinyl on T-shirt and sublimate; 4. Cold or hot peel.
36	Subli-Cotton Fabric	190℃ 375 °F	60	1. Print on the sublimation paper, mirror image; 2. The image should be larger than an A4 paper. Put the fabric on a T-shirt with the rough side facing down, put the image on the fabric, put a silicon paper above, and start printing; 3. Peel off the transfer paper carefully after printing.
37	Metallic Film	180℃ 360 °F	10	1. Print on the sublimation paper, mirror image; 2. The image should be larger than the metallic film. Press the film onto the T-shirt for 10s in 180℃ , and peel off after cooling down; 3. Press the image on the T-shirt for 25s in 190℃ , and peel off immediately or after cooling down.
38	Sequin Adhesive	180℃ 360 °F	120	1. Print on the sublimation paper, mirror image; 2. Flip the sequins with white side facing up, and peel off the back film; 3. Place the adhesive on the t-shirt, cover it with image, and print; 4. Flip the sequins immediately after printing.
39	Faux Rhinestone Transfer Sheet (For Cloth)	160℃ 320 °F	15	1. Use high pressure, preheat to 160℃ and begin to print; 2. When the time is up, take out the cloth. Peel off the transfer sheet immediately or after cooling down. The faux rhinestone pattern can be customized
40	Faux Rhinestone Transfer Sheet (For Ceramic Mug)	140℃ 285 °F	30	1. Use high pressure, preheat to 140℃ and begin to print; 2. When the time is up, take out the mug. Peel off the transfer sheet after cooling down. The faux rhinestone pattern can be customized
41	Faux Rhinestone Transfer Sheet (For Metal Mug)	110℃ 230 °F	30	1. Use high pressure, preheat to 110℃ and begin to print; 2. When the time is up, take out the mug. Peel off the transfer sheet after cooling down. The faux rhinestone pattern can be customized

No.	Item Name	Temp.(℃ / °F)	Time(S)	Remark
42	T-Shirt/Textile (100% Polyester Material Light-colored fabric)	190℃ 375 °F	60	1. Print on sublimation paper, mirror image; 2. Use flat heat press; 3. Use high pressure; 4. Only for non cotton material, polyester mostly.
43	Neoprene	180℃ 360 °F	120	1. Print on sublimation paper, mirror image; 2. Do not apply too much pressure when printing to avoid deforming.
44	Wallet Case	180℃ 360 °F	120	1. Print on sublimation paper, mirror image; 2. Don't press on leather; 3. Use high pressure.
45	Cap	220℃ 430 °F	60	1. Print on sublimation paper, mirror image; 2. Use cap press or 8-in-1 heat press, print in low pressure; 3. Press the green button, and press down immediately.
46	Leathaire Pillow cover	190℃ 375 °F	60	1. Print on sublimation paper, mirror image; 2. Cover a silicon paper on the sublimation paper to avoid paper sticking to the heat platen; 3. Be careful not to press on the zipper; 4. Use medium or low pressure.
47	Glitter/Gradient Color Pillow Cover	180℃ 360 °F	60	1. Print on sublimation paper, mirror image; 2. Put a piece of protective paper under the pillow cover; 3. Print one side first then the other.
48	PU Keychain	180-190℃ 360-375 °F	40-50	1. Print on the sublimation paper, mirror image; 2. Take off the metal ring before printing.
49	Ping-Pong Racket	180-190℃ 360-375 °F	40-50	1. Print on the sublimation paper, mirror image; 2. Print two racket simultaneously. Put one racket each on the left and right sides of worktable to ensure balance and even heating.
50	Plastic Domino	180℃ 360 °F	200	1. Print two mirror images on sublimation papers; 2. Tape the images on both the two sides; 3. Press one side for 100 seconds, flip it over, and press the other side for another 100 seconds;
51	Pen	145℃ 290 °F	120	1. Print mirror image on laser paper using laser printer; 2. Put the pen on the pen heater, adjust the pressure to low pressure; 3. Heat the pen in 145℃ ; 4. Wait until the pen gets cold, peel off the paper.
52	Shin Guard	200℃ 392 °F	270	1. Print on the sublimation paper, mirror image; 2. Tape the image on the shin guard with heat-resistant tape; 3. Use large pressure, When the machine reaches 200 ℃ , put it in and start printing directly on the countdown; 4. Apply the pad to the shin guard after printing.
53	Digital Mug Bottom Heat Press for ceramic mug bottom	220℃ 430 °F	400	1. Print on the sublimation paper, mirror image; 2. Tape the image on the bottom of the mug; 3. Press the green button to start printing when the temperature drops; 4. peel off the image at the end of printing.

1. The above mentioned time &temperature parameters are just for equipment made by our factories. It may be different from other factories;
2. The temperature is "Fahrenheit";
3. Above listed parameters are only for suggestions from our own experience. You can also try and find out the best from your own operation.

Note:

1. Do not heat the machine without mug in the heaters or it could burn out; Do not touch the heating elements directly without any protection, or you could be hurt; After running more than 1.5 hours, it is better to turn off the machine for a 20-minute-break.
2. Trouble-shootings on a regular period basis.

FAQs:

1. The color is a bit light: the temperature is too low, or the pressure is unbalanced, or the time is too short;
2. The picture is vague: the pressing time is too long causing the ink to spread;
3. The cover of the print is not brilliant: the pressure is too heavy;
4. The print is partially vague: the heat of pressed area is unbalanced;
5. The print has scar: the pressing time is too long;
6. The print is in different level color: The pressure is unbalanced or the cover printing material is not balanced;
7. Sticking papers: the temperature is too high or the cover of printing material is not so good.

For 3D Vacuum Presses (at Celsius Degree)

No.	Item Name	Quantity	Temp.(℃)	Time (Minute)	Remark
1	Ceramic/Glass Mug	1pc	195℃	9 min	1. Printing on sublimation paper, mirror image; 2. Fix the paper and the mug tightly, wrap the mug with silicon heater.
		12pcs		14 min	
2	Dog Bowl	1pc	195℃	13 min	1. Stick image on the item and wrap it with a dog bowl wrap; 2. Preheat the machine to 190℃ and start printing when the temperature remains stable; 3. Take out the item when time's up.
3	Cat Bowl	1pc	195℃	10 min	1. Stick image on the item and wrap it with a cat bowl wrap; 2. Preheat the machine to 190℃ and start printing when the temperature remains stable; 3. Take out the item when time’ s up.
4	Plastic Dog Bowl	1pc	145℃	6 min	1. Put the wrap for plastic dog bowl into the machine and preheat it to 145℃ for an hour; 2. Wrap the plastic dog bowl and start printing; 3 Take out the item when time’ s up.
5	Stainless Steel Bottle (Printed with Shrink Sleeves)	1pc	140℃	7 min	1. Print on the sublimation paper, mirror image; 2. Heat the shrink sleeve with heat blower to make it wrap the image and the bottle tightly; 3. Remove the plastic lid before printing; 4. Turn over the bottle to print the other side after 3 minutes and 30 seconds.
6	Stainless Steel Bottle (Printed with Wraps by Oven)	1pc	195℃	3 mins 30s	1. Print on the sublimation paper, mirror image; 2. Wrap the image and bottle tightly with mug wrap; 3. Remove the plastic lid before printing.
7	Shot Glass	1pc	195℃	7 min	1. Printing on sublimation paper, mirror image; 2. Fix the paper and the mug tightly with thermal tapes (thermal tapes shall be kept away from the golden rim); 3. Preheat the heater till 195℃ ; 4. Print the shot glasses with the heater.
		7pcs		8 min	

No.	Item Name	Quantity	Temp.(℃)	Time (Minute)	Remark
8	Ceramic/Glass Plate	1pc	195℃	6 min	1. Printing on sublimation paper, mirror image; 2. Lay the plate flat; 3. Make sure the air vacuum is complete.
		2pcs		7 min	
9	Photo Slate	1pc	195℃	8 min	1. Printing on sublimation paper, mirror image; image shall be a bit bigger than the printable size; 2. Thermal tape not to tagged on the printing side.
10	Glass Frame	1pc	195℃	7 min	1. Printing on sublimation paper, on mirror image; image shall be a bit bigger than the printable size; 2. Thermal tape not to tagged on the printing side;
11	Glass Puzzle	1pc	195℃	7 min	1. Photoshop the image into 4 parts; 2. Printing each part of the photoshopped image on a piece of A4 paper. 3. Tag each block of the 4-piece puzzle with the printed paper and wrap with A4 paper; 4. Print with the vacuum machine.
12	Ceramic Photo Frame	1pc	195℃	6 min	1. Printing on sublimation paper, mirror image; 2. Image and printing side matched tight without margin;
13	Ceramic Tile	1pc	195℃	5 min	1. Printing on sublimation paper, mirror image; 2. Image and printing side matched tight without margin;
14	Water Bottle (Aluminium/ Stainless steel)	1pc	195℃	3.5 min	1. Printing on sublimation paper, mirror image; 2. Fix the paper and the mug tightly, wrap the mug with silicon heater; 3. Plastic cover shall be taken away before printing.
15	Ceramic Bowl	1pcs	195℃	11mins	1. Printing on sublimation paper, mirror image; 2. Fix the paper and the bowl tightly, wrap the mug with silicon heater.
		6pcs		16mins	

No.	Item Name		Quantity	Temp.(℃)	Time (Minute)	Remark
16	3D Phone Cover/3D Mouse	Without Preheat	1pc	195℃	9 min	1. Printing on sublimation paper, mirror image; 2. Tear off protection film before printing; 3. For paper folding and wrapping, paper shall be folded and wrapped tightly on the angles of covers with right angles (as for iPhone covers); paper shall be cut and folded alone the diagonal for covers without right angles; 4. Turn on the machine. 5. Make sure the paper wraps the cover tightly during vacuum; 6. Manipulate the printing fast to reduce heat loss; 7. Put it into cold water.
			2pcs		10min	
		With Preheat	1 pc	145℃	3min	1. Printing on sublimation paper, mirror image; 2. Tear off protection film before printing; 3. Fasten the picture with the cover with thermal tapes outside and inside; 4. For paper folding and wrapping, paper shall be folded and wrapped tightly on the angles of covers with right angles (as for iPhone covers); paper shall be cut and folded alone the diagonal for covers without right angles; 5. Preheat the machine to 145℃ for 20mins. 6. Make sure the paper wraps the cover tightly during vacuum; 7. Manipulate the printing fast to reduce heat loss; 8. Put it into cold water.
			2 pcs			
17	iPad Cover	Without Preheat	1pc	195℃	10min	1. Printing on sublimation paper, mirror image; 2. Tear off protection film before printing; 3. Folding the paper through the diagonal and press tight; 4. Preheat the machine to 195℃ . Make sure the paper wraps the cover tightly during vacuum; 5. Manipulate the printing fast to reduce heat loss; 6. Put it into cold water.
		With Preheat		145℃	4min	1. Printing on sublimation paper, mirror image; 2. Tear off protection film before printing; 3. Fasten the picture with the cover with thermal tapes outside and inside; 4. Folding the paper through the diagonal and press tight; 5. Preheat the machine to 145℃ for 20mins. Make sure the paper wraps the cover tightly during vacuum; 6. Manipulate the printing fast to reduce heat loss; 7. Put it into cold water.

Forever Laser Transfer Paper

No.	Item Name	Temp.(℃ / °F)	Time(S)	Remark
1	Forever Multi-Trans Paper A4	180°C 356 °F	30	ONLY FOR OKI PRINTERS WITH WHITE TONER 1. Paper & Print Setting: Transparent Foil, Multi Purpose-Tray 2. White Toner Darkness (Calibration in the Printer Menue): +3 3. Image Mode: Mirror Image, CMYK Mode (not RGB), Color Print, White On 4. High pressure; 5. Tear the transfer paper when it becomes cold completely, or drop it into the water for fast cooling.
2	Forever Trim-free Light Transfer Paper A4	190°C 374 °F	30	ONLY FOR OKI PRINTERS WITH WHITE TONER 1. Paper & Print Setting: Label 1, Multi purpose-tray; 2. White Toner Darkness (Calibration in the Printer Menue): -3; 3. Image Mode: Mirror Image, CMYK Mode (not RGB), Color Print, White On; 3. High pressure; 4. Tear the transfer paper immediately when it is hot; 5. Cover the transfer with a sheet of silicon paper and press by 180-200C/356-392 °F for 30-40 seconds with high pressure to achieve perfect washability. Note: When printing, if there is shade on the edge of the picture, please reduce the pressure. If the toners fall off when tearing the transfer paper, please increase the pressure.
3	Forever Trim-free Dark Transfer Paper A4 (B side)	Forever Trim-free Dark Transfer Paper A4 (A side) 155°C /311 °F	90-120S (For A side and B side medium separation) 30S (For apparel) 30S (For second printing with the silicon paper)	2-Paper-System for LED-/ Laser-Printers with White Toner 1. Mirror image; CMYK color; white toner mode; 2. When separating A side from B side, make sure that the flat is hot. Put B side above A side. Meanwhile, put a heat-resistant paper on B side. Then put a small piece of paper between the corner of A side and B side; 3. Press in medium pressure. When the time is up, Separate the B-Paper LowTemp from the A-Foil without lifting them up from the lower plate of your heat press. Please work in a SLOW AND FLUENT motion; 4. When A side is separated from B side, cut its edges off. Then press it on the apparel to print with high pressure; 5. When the time is up, remove the A-Foil after it is absolutely cold; 6. The image is glossy when it is printed on the apparel. To ensure the fastness of the image, please put a piece of silicon paper on it for second printing, after printing, the image is matt.

Warning:

1. Make sure the voltage matches the machine;
2. Put on thermal resistant gloves to prevent injury;
3. Be very careful the formation of soft plastic items after printing;
4. Printing is supposed to be carried out in sound air ventilation and low dust surroundings and keep far away from explosives;
5. To prolong the duration of the silicon wrap, we recommend to choose different point of the silicon wrap during printing;
6. Shorten the time between opening close cover of the machine;
7. Keep the machine in dry, flat and insulative condition;
8. Avoid direct contact between printing item and heating board during printing.

Remark:

1. The above parameters are just for BestSub's machine;
2. The above parameters are just for reference. You are encouraged to find the best parameter with the real situation.
3. After 2 hours working, heaters of digital presses will reach its highest temperature. You are suppose to prolong the printing time, specific time varies by different items.

Craft Express Heat Press Printing Parameter

FUNCTION	1	The machine comes with two motors, one is for working while the other is a spare motor. Both the motors work in the same three vibration modes, and “1-1”, 1-2”, and “1-3” on the screen indicate each vibration frequency of motor 1, while “2-1”, 2-2”, and “2-3” are for motor 2.
	2	The frequency of 1-3 or 2-3 is perfect for printing flat items.
	3	More mug heaters in different sizes are coming soon. Once the mug heater is attached to the machine, it will heat up instead of the flat heat platen.
	4	Long press on power button for 3 seconds to turn on or turn off the machine.
	5	Press power button to start or stop counting down, or stop the machine from beeping after printing.
	6	Press "+" and "-" buttons in countdown mode to set the vibration frequency.
	7	Press "Set", "+", and "-" buttons to adjust temperature and time.
	8	Press "+" and "-" simultaneously to switch between °C and °F .

No.	Item	Temp.	Time	Vibration Frequency	Note
1	Polyester Clothes	200°C	60S	1-3 or 2-3	1. Print on sublimation paper, mirror the image; 2. Make sure that buttons and zippers don't touch the heat platen; 3. Fix the image with thermal tape.
2	Ceramic Coaster	180°C	150S	1-3 or 2-3	1. Print on sublimation paper, mirror the image; 2. Fix the image with thermal tape.
3	Hardboard Coaster	180°C	120S	1-3 or 2-3	1. Print on sublimation paper, mirror the image; 2. Peel off the top film; 3. Fix the image with thermal tape.
4	Phone Cover Alu Insert	180°C	80S	1-3 or 2-3	1. Print on sublimation paper, mirror the image; 2. Peel off the top film; 3. Fix the image with thermal tape.
5	11oz Ceramic Mug	180°C	260S	1-0 or 2-0 (No Vibration)	1. Print on sublimation paper, mirror the image; 2. Fix the image with thermal tape; 3. Use mug heater; 4. After printing, press power button then take out the mug.
6	Sequin Adhesive	180°C	120S	1-0 or 2-0 (No Vibration)	1. Print on the sublimation paper, mirror image; 2. Flip the sequins with white side facing up, and peel off the back film; 3. Place the adhesive on the t-shirt, cover it with image, fix the image with thermal tape, and print; 4. Flip the sequins immediately after printing.

Referential Parameters for Laser Creation

For Engraving Flat Items				
Item/Material	**Direction**	**Speed (mm/s)**	**Laser 1 Max. Light Power**	**Accuracy (mm)**
Bamboo Cutting Board	Dual	400	50%	0.1
Agate Coaster	Single	300	20%	0.1
Slate	Dual	400	30%	0.1
Leather Tablemat (Without Middle-Layer Color)	Single	200	12%	0.1
Leather Tablemat (With Middle-Layer Color)	Single	200	10%	0.1
Crystal	Single	300	20%	0.05
3mm Wood Board (Engrave Logo)	Dual	300	20%	0.1
3mm Wood Board (Engrave Photo)	Dual	300	17%	0.1

With Roller Device				
Item/Material	**Direction**	**Speed (mm/s)**	**Laser 1 Max. Light Power**	**Accuracy (mm)**
Matt Cola Bottle	Single	200	20	0.08
Powder-Coated Cola Bottle	Single	200	15	0.08
Matt Color Ceramic Mug	Dual	50	90%	0.08

For Cutting Flat Items			
Item/Material	**Speed(mm/s)**	**Laser 1 Min. Light Power**	**Laser 1 Max. Light Power**
3mm Wood Board (Cut Through)	10	30%	35%
3mm Wood Board (Half Cut)	100	15%	25%
Plywood Board	10	30%	35%
3mm Acrylic Board	10	40%	45%

BestSub Printing Parameters for CE-MP270/CE-MP280

Item Name	Temp.(℃ / °F)	Time(S)
11oz Ceramic Mug	180℃ / 360 °F	280
1. Print on sublimation paper, mirror image; 2. Tape the image on the mug with heat-resistant tape and put the mug into the heat press to adjust pressure; 3. Take out the mug, and let the machine preheat to 180℃ . You can put two unused mugs into the heater while it’ s preheating to extend its life; 4. As the machine heats up to 180℃ , take out the unused mugs, and put the printed mugs inside; 5. Take out the mug when the time is up; 6. Peel off the image. Tip: Please put the two mugs into the heater with bottom to bottom, no gap in between, to avoid an uneven heater after multiple uses.		
Glass Mug	180℃ / 360 °F	280
1. Print on sublimation paper, mirror image; 2. Tape the image on the mug with heat-resistant tape and put the mug into the heat press to adjust pressure; 3. Take out the mug, and let the machine preheat to 180℃ . You can put two unused mugs into the heater while it’ s preheating to extend its life; 4. As the machine heats up to 180℃ , take out the unused mugs, and put the printed mugs inside; 5. Take out the mug when the time is up; 6. Peel off the image. Tip: Please put the two mugs into the heater with bottom to bottom, no gap in between, to avoid an uneven heater after multiple uses.		
Borosilicate Glass Mug	180℃ / 360 °F	Partial image: 120-150s Full image: 90-150s and 40-130s for second time
1. Print on sublimation paper, mirror image; 2. Tape the image on the mug with heat-resistant tape and put the mug into the heat press to adjust pressure; 3. Take out the mug, and let the machine preheat to 180℃ . You can put an unused mug into the heater while it’ s preheating to extend its life; 4. As the machine heats up to 180℃ , take out the unused mug, and put the printed mugs inside. If you want to print a partial image in the middle of the bottle, one press for 120-150 seconds is enough; 5. If you want to print a full image around the bottle, press for 90-150 seconds, rotate it 180 degrees, and press it again for 40-130 seconds; 6. Peel off the image. Tip: 1. Take off the lid before printing; 2. Wear heat-resistant gloves to avoid burns； 3. Adjust the printing time according to the size of the mug; 4. Please put the two mugs into the heater with bottom to bottom, no gap in between, to avoid an uneven heater after multiple uses.		
11oz Plastic Mugs	180℃ / 360 °F	280
1. Print on sublimation paper, mirror image; 2. Insert the printing tools into the mugs, put the mugs into the heater, and adjust the printing pressure; 3. Take out the mugs, and let the machine preheat to 180℃ . You can put two unused mugs into the heater while it's preheating to extend its life; 4. As the machine heats up to 180℃ , take out the unused mugs, and put the printed mugs inside; 5. Take out the mugs and remove the printing tools. If the mugs are a bit deformed, press slightly to shape them with your hands while they're still hot; 6. Peel off the image; Tip: Please put the two mugs into the heater with bottom to bottom, no gap in between, to avoid an uneven heater after multiple uses.		
Metal Bottle	180℃ / 360 °F	First press for 60-80s Second press for 30-40s
1. Print on sublimation paper, mirror image; 2. Tape the image on the bottle, put the bottle into the heater, and adjust the printing pressure; 3. Take out the bottle, and let the machine preheat to 180℃ . You can put one unused bottle into the heater while it's preheating to extend its life.; 4. As the machine heats up to 180℃ , take out the unused bottle, put the printed bottle inside and press it for 60-80 seconds; 5. If you want to print a full image around the bottle, rotate it 180 degrees, and press it again for 30-40 seconds; 6. If you want to print a partial image in the middle of the bottle, one press for 60-80 seconds is enough; 7. Peel off the image, Tip: 1. Take off the bottle lid before printing; 2. Wear heat-resistant gloves to avoid burns; 3. Adjust printing time according to the bottle size.		

Item Name	Temp.(℃ / °F)	Time(S)
Enamel Mug	180℃ / 360 °F	280
1. Print on sublimation paper, mirror image; 2. Tape the image on the mug, put two enamel mugs into the heater bottom to bottom, and adjust the printing pressure; 3. Take out the mugs, and let the machine preheat to 180℃ . You can put one unused mug into the heater while it's preheating to extend its life.; 4. As the machine heats up to 180℃ , take out the unused mug, and put the printed mug inside. The rim part of the mug is exposed on the outside of the heater and place a same size enamel mug against the bottom of the printed mug to ensure even pressure; 5. Take out the mug when the time is up; 6. Peel off the image. Tip: 7. Needs to be printed with a short heater, because the mugs in long heaters cannot be placed against each other to ensure even pressure.		

Referential Parameters for 40L All-Purpose Sublimation Oven

For 40L JTrans All-Purpose Sublimation Oven			
Item Name	**With Mug Wrap**	**With Shrink Film**	**With Heat Shrink Bag**
11oz White Mug	180℃ , 15 mins (1 Mug)		180℃ , 13 mins (1 Mug)
	180℃ , 27 mins (10 Mugs)		
15oz White Mug	180℃ , 18 mins (1 Mug)		
20oz White Mug	180℃ , 20 mins (1 Mug)		
SG-30 Glass Frame	\		180℃ , 14 mins (1 Piece)
20*20cm Slate	\		180℃ , 13 mins (1 Piece)
20*30cm Ceramic Tile\ 30*30cm Slate	\		180℃ , 14 mins (2 Pieces)
Aluminium Bottle\ Stainless Steel Bottle	\	180℃ , 4-4.5 mins (1 Bottle)	
4.5*4.5in. Ceramic Tile	\		180℃ , 9 mins (1 Piece)
Ceramic Plate	\		200℃ , 14 mins (1 Piece)
Small Crystal Panel	\		180℃ , 16 mins (1 Piece)
Enamel Bowl	\	180℃ , 9-10 mins (1 Bowl)	
Enamel Mug	180℃ , 10 mins (1 Mug)		
3oz Shot Glass		180℃ , 9 mins (1 Glass)	

This parameter form is applicable to KX9040 oven. The printing time should be extended by an extra minute if KX40LB oven is used.