2D

BARCODE
SOLUTIONS

9574 4063 012

PRODUCT MARKING AND BARCODE IDENTIFICATION

Quality Above All

Having many years of experience in the thermal transfer and silk screen technology, we do our best in order to become the favorite supplier for die-cut parts and identification products, specialized in precision die-cutting and high performance printing.

Our mission is to provide you, dear customer, a consistent solution which will perform in the most difficult environments.

2D BARCODE SOLUTIONS

An EU Company

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GROW YOUR BUSINESS WITH OUR SOLUTIONS

2D BARCODE SOLUTIONS

Security

Now, more than ever, protecting your products becomes much more complicated. 2D offers a wide range of identification and marking solutions which make your products safer. Our security labels will help you preventing copies, falsification and imitation of your products. All our materials can be customized for your exact needs. Applications include but are not limited to: military, government documentation, pharmaceuticals, electronics, etc.

Material	Material Description	Properties and Applications	Temp	Ribbon	Approvals
401	Gloss White VOID Polyester	50micron.gloss white print receptive void polyester is designed as a security label stock that offers a VOID message upon removal of the label. 401 is coated with high performance acrylic adhesive which exhibits very good chemical and elevated temperature shear resistance.	-40ºC to 149ºC	03/12	RoHS
402	Matt Silver VOID Polyester	50micron matt silver print receptive void polyester is designed as a security label stock that offers a VOID message upon removal of the label. 402 is coated with high performance acrylic adhesive which exhibits very good chemical and elevated temperature shear resistance.	-40ºC to 149ºC	03/12	RoHS
421	Tamper Evident DESTRUCTIBLE Vinyl	50μ satin white destructible PVC offers excellent destructibility and tamper evidence on a broad range of substrates. The 421 has excellent UV, humidity and chemical resistance. Is coated with a high performance acrylic adhesive which exhibits low adhesive ooze combined with very good chemical and elevated temperature shear resistance and has good adhesion on a broad range of surfaces.	-40ºC to 85ºC	06/11	RoHS
404	VOID Hologram	Synthetic film with generic holographic pattern on top. Reveals the text void when tampered with. 404 is coated with a high performance acrylic adhesive which exhibits low adhesive ooze combined with very good chemical resistance.	-40ºC to 100ºC	03/12	RoHS
422	Tamper Evident Foamtac	165microns multi layers material. 422 material splits into layers when tampered with. 422 is coated with a permanent acrylic adhesive.	-40ºC to 85ºC	06/11	RoHS
403	Gloss Clear VOID Polyester	50micron gloss clear polyester print receptive void polyester is designed as a security label stock that offers a VOID message upon removal of the label. Reveals under an UV light anti-counterfeit effect.	-40ºC to 150ºC	03/12	RoHS

Security

Material	Material Description	Properties and Applications	Temp	Ribbon	Approvals
405	Matt Silver VOID Chess	50micron matt white print receptive void polyester is designed as a security label stock that offers a CHESS TABLE message upon removal of the label. 405 is coated with high performance acrylic adhesive which exhibits very good chemical and elevated temperature shear resistance.	-40ºC to 149ºC	03/12	RoHS
406	Gloss Mirror VOID Chess	50micron.gloss white print receptive void polyester is designed as a security label stock that offers a CHESS TABLE message upon removal of the label. 406 is coated with high performance acrylic adhesive which exhibits very good chemical and elevated temperature shear resistance.	-40ºC to 149ºC	03/12	RoHS
407	Matt Silver Total VOID	62micron matt silver PET void is designed as a security label stock. 407 has an easy peal dry void effect. 407 is suitable for a wide range of substrates with a good chemical resistance.	-40ºC to 85ºC	03/12	RoHS
431	PET Invisible Image	50micron polyester is designed for thermal transfer printing technology along with hidden images which flare with bright colorful fluorescence under ultraviolet illumination.	-40ºC to 149ºC	03/12	RoHS/UL
441	PET Firefly	50micron polyester is designed for thermal transfer printing technology along with seemingly standard images which blaze with colored fluorescence under ultraviolet illumination.	-40ºC to 149ºC	03/12	RoHS/UL

## Introducing… five elements will make your product safer…

When using 400 series,
you can create five different security elements so copies and falsification becomes impossible.

Generic or custom invisible images, that flare with bright colorful fluorescence under UV illumination.. Keep your distribution strategy from being undetermined by gray market diversion.. Give your investigators an invisible mark to help them authenticate your genuine brand..

A great first line authentication technology is secure firefly, which makes seemingly standard images blazed with colored fluorescence ultraviolet illumination.. As a first line of defiance against counterfeiting. Firefly can be used anywhere you need it.. Firefly makes your genuine product glow..
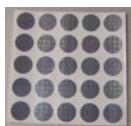
Holographic image provide an overt authentication features that gives your customers confidence that they are buying an authentic product..

High quality polyester void label which leave residue on surface when try to reuse it.. A tamper indicating stock designed to provide a void message in the face stock when removal is attempted..
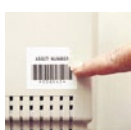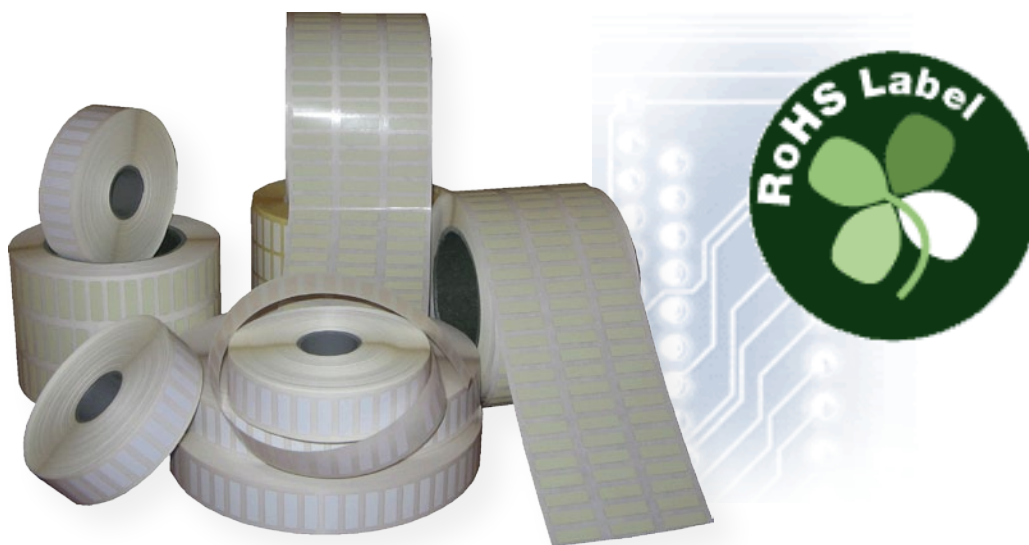
Destructible vinyl labels are perfect when you do not want someone to be able to remove a label from the surface the label was applied to. Once the label is applied is simply cannot be removed in one piece. It is a fantastic way to show evidence of tampering.

* Also available security elements combination. For more information please contact us.

2D has launched a line of high temperature labels and for marking printed circuit boards (PCB). These durable polyimide and polyester labels are lead-free and appear in many different standard sizes. These labels are able to withstand temperatures up to 450ºC (extended exposure time at 314ºC) and make them ideal for lead-free soldering during printed circuit board manufacturing.

Marking, Traceability
& Identification Systems in Electronics

| Material	Material Description	Properties and Applications	Temp	Ribbon	Approvals
301	White Gloss Polyimide (1 mil.)	25 micron/Thermal transfer printable white top coated polyimide film offers superior chemical and elevated temperature performance. Able to withstand the higher temperature requirements associated with the lead free solder processes. Accepts conventional inks and thermal transfer printing with premium resin ribbons.	-40ºC to 305ºC	08/14	RoHS
302	White Gloss Polyimide (2 mil.)	50micron/Thermal transfer printable white top coated polyimide film offers superior chemical and elevated temperature performance. Able to withstand the higher temperature requirements associated with the lead free solder processes. Accepts conventional inks and thermal transfer printing with premium resin ribbons.	-40ºC to 305ºC	08/14	RoHS/UL pending
303	White Matt Polyimide (1 mil.)	25 micron transfer Polyimide I Matt was specially developed for labeling printed circuit boards prior to soldering. The construction is designed to withstand surface mount circuit board processes on either top or bottom side of the board. This product can also be used on the top side of the board in mixed processes and is suitable for use on the base when directly exposed to wave solder environment.	-40ºC to 280ºC	08/14	RoHS / UL
304	White Matt Polyimide (2 mil.)	50 micron transfer Polyimide was specially developed for labeling printed circuit boards prior to soldering. The construction is designed to withstand surface mount circuit board processes on either top or bottom side of the board. This product can also be used on the top side of the board in mixed processes and is suitable for use on the base when directly exposed to wave solder environment.	-40ºC to 260ºC	08/14	RoHS / UL

Electronics

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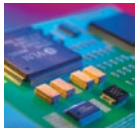
Circuit Board Process Chart

Material	Manually After Process	Manually Starts Process	Automatic Starts Process
302, 304, 341	yes	yes	yes
301, 303	yes	yes	no
101, 102, 103, 112, 113	yes	no	no

Material	Material Description	Properties and Applications	Temp	Ribbon	Approvals
341	Amber Polyimide	Polyimide film with permanent acrylic adhezive ,designed for barcode or alphanumeric identification of printed circuit boards, or related electronic components. It is the ideal label to withstand surface mount board processes, on either the top or bottom side of the board. It can also be used on the topside of the board in mixed processes, and is recommended for the bottom side, which is directly exposed to the wave, solder environment.	-40ºC to 300ºC	08/14	RoHS/UL
101	White Matt Polyester	50µ white matt print receptive polyester offers excellent dimensional stability combined with good solvent, humidity, elevated temperature and UV resistance. Is coated with high performance acrylic adhesive which exhibits very good chemical and elevated temperature shear resistance.	-40ºC to 150ºC	03/12	RoHS/UL
102	White Gloss Polyester	50µ white gloss print receptive polyester offers excellent dimensional stability combined with good solvent, humidity, elevated temperature and UV resistance. Is coated with high performance acrylic adhesive which exhibits very good chemical and elevated temperature shear resistance.	-40ºC to 149ºC	03/12	RoHS/UL
103	ESD White Polyester	ESD white polyester is designed for labeling of printed circuit boards and other ESD sensitive electronic equipment. Test have proven that once the material is charged the voltage decreases to 1% of its initial voltage in lass than 2 seconds and complies with EIA-541 "PACKAGING MATERIAL STANDARDS ESD Sensitive items.	-40ºC to 150ºC	03/12	RoHS/UL
112	Silver Matt Polyester	50µ silver matt print receptive polyester offers excellent dimensional stability combined with good solvent, humidity, elevated temperature and UV resistance. Is coated with high performance acrylic adhesive which exhibits very good chemical and elevated temperature shear resistance.	-40ºC to 149ºC	03/12	RoHS/UL
113	Silver Gloss Polyester	50µ silver gloss print receptive polyester offers excellent dimensional stability combined with good solvent, humidity, elevated temperature and UV resistance. Is coated with high performance acrylic adhesive which exhibits very good chemical and elevated temperature shear resistance.	-40ºC to 149ºC	03/12	RoHS/UL

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Automotive
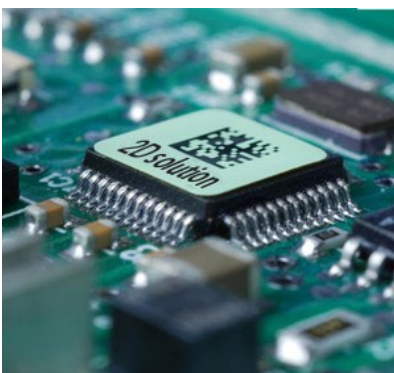
We offer a range of materials designed to withstand mechanical, chemical and climatic exposure. Typical applications include badges, warning labels, variable data labels, VIN labels, anti-rattle & squeak components and removable protection tapes.

A range of thermal printable polyester films which offer an outstanding chemical and abrasion resistance. In many cases, the films eliminate the requirement for an overlaminated film. Typical applications include: industrial rating plate labels, under-bonnet marking in the automotive industry and aerospace identification.

| Material	Material Description	Properties and Applications	Temp	Ribbon	Approvals
291	Matt White Polyethermide	25microns matt print receptive polyethermide film has very good elevated temperature performance. 291 offers extreme temperature and chemicals resistance. 291 is designed to accept conventional inks and thermal transfer printing with full resin ribbons.	-40ºC to 200ºC	03/12	RoHS
104	Gloss White Polyester Film	50microns gloss print receptive polyester film has very good elevated temperature performance. 104 offers extreme temperature and chemicals resistance. 104 is designed to accept conventional inks and thermal transfer printing with full resin ribbons.	-40ºC to 200ºC	03/12	RoHS
105	Matt White Durafol Polyester	Durafol 50microns matt white top coated polyester offers superior chemicals resistance combined with good, humidity, elevated temperature and UV resistance.105 top coating has been specifically designed to work with our 08 resin ribbon for optimum chemical resistance performance.	-40ºC to 149ºC	08/14	RoHS
114	Matt Silver Durafol Polyester	Durafol 50microns matt silver top coated polyester offers superior chemicals resistance combined with good, humidity, elevated temperature and UV resistance. 114 top coating has been specifically designed to work with our 08 resin ribbon for optimum chemical resistance performance.	-40ºC to 149ºC	08/14	RoHS
121	Matt Clear Durafol Polyester	Durafol 50microns matt silver top coated polyester offers superior chemicals resistance combined with good, humidity, elevated temperature and UV resistance. 121 top coating has been specifically designed to work with our 08 resin ribbon for optimum chemical resistance performance.	-40ºC to 149ºC	08/14	RoHS
122	Matt Clear Polyester	25microns matt clear print receptive polyester offers excellent dimensional stability combined with good solvents, humidity, elevated temperature and UV resistance. 122 is designed to accept conventional printing with resin ribbons.	-40ºC to 135ºC	03/12	RoHS
123	Gloss Clear Polyester	25microns gloss clear print receptive polyester offers excellent dimensional stability combined with good solvents, humidity, elevated temperature and UV resistance. 123 is designed to accept conventional printing with resin ribbons.	-40ºC to 135ºC	03/12	RoHS

Automotive

Automotive Printing Performance Chart

Material	Chemical Resistance of Printed Image	Heat Resistance of Printed Image	Abrasion of Printed Image	Ribbon Combination
291	average	good	average	03/12
104	average	good	average	03/12
105	excellent	very good	very good	08/14
114	excellent	very good	very good	08/14
121	excellent	very good	very good	08/14
122	good	average	average	03/12
123	good	average	average	03/12

Identification products for all types of environments...
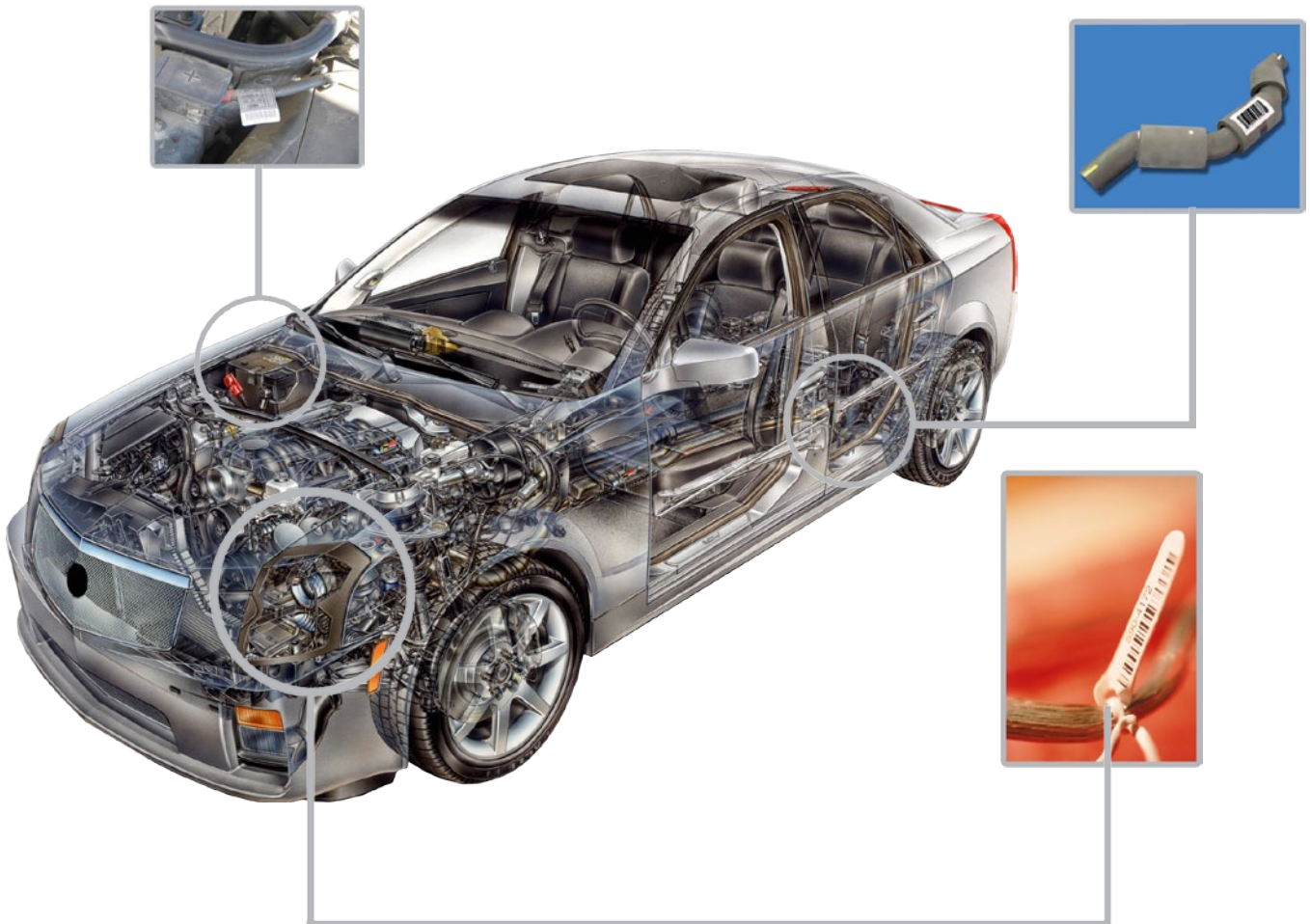
Wire and Cable

Our self-laminating cable labels have been especially developed so that you can properly label your wires and cables. Our wrap- round self-laminating cable labels are made of the best materials and adhesives, ensuring an exceptional long-term bonding. Additionally, our wrap-round self-laminating cable labels have been extensively and independently tested in various conditions such as high and low temperatures, humidity, salt mist spray, etc.
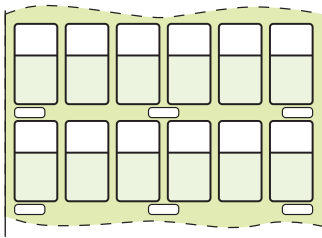
Partial range of colors available

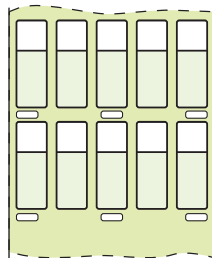| Material	Material Description	Properties and Applications	Temp	Ribbon	Approvals
602	Self-Laminating Clear Matt Vinyl-White	60x series is an excellent material for wire and cable identification. This material has good clarity, flexability and is self-extinguishing. 602 has outstanding humidity and solvents resistance.Is coated with permanent acrylic adhesive with excellent durability and UV resistance.	-40ºC to 90ºC	06/11	RoHS
603	Self-Laminating Clear Matt Vinyl-Yellow	60x series is an excellent material for wire and cable identification. This material has good clarity, flexability and is self-extinguishing. 603 has outstanding humidity and solvents resistance.Is coated with permanent acrylic adhesive with excellent durability and UV resistance.	-40ºC to 90ºC	06/11	RoHS
604	Self-Laminating Clear Matt Vinyl-Red	60x series is an excellent material for wire and cable identification. This material has good clarity, flexability and is self-extinguishing. 604 has outstanding humidity and solvents resistance.Is coated with permanent acrylic adhesive with excellent durability and UV resistance.	-40ºC to 90ºC	06/11	RoHS
605	Self-Laminating Clear Matt Vinyl-Green	60x series is an excellent material for wire and cable identification. This material has good clarity, flexability and is self-extinguishing. 605 has outstanding humidity and solvents resistance.Is coated with permanent acrylic adhesive with excellent durability and UV resistance.	-40ºC to 90ºC	06/11	RoHS
620	White Matt PP	620 is developed for durable labeling goods. The main area of application is tracking, compliance and cables labels. Good UV resistance compared to standard polypropylenes.	-40ºC to 90ºC	03/12	RoHS

Wire and Cable

2D has listed below standard wrap-round and flag label sizes which fit for all standard wires and cables, in telecommunications and electrical applications. If you don't find your label size to match the cable, please contact us and we will offer you all the necessary solutions you may need. See below some of the standard products manufactured by 2D.
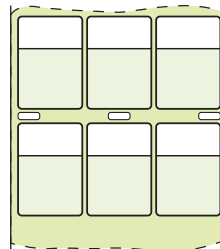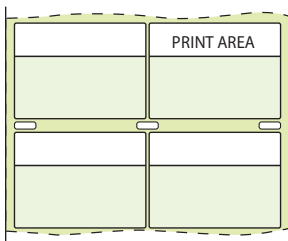
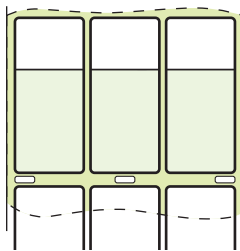| 12.7mm x 23.9mm | 0.5" x 0.94" |
| 12.7mm x 36.5mm | 0.5" x 1.437" |
| 25.4mm x 36.5mm | 1.0" x 1.437" |

50.8mm x 36.5mm	2.0" x 1.437"
25.4mm x 57.2mm	1.0" x 2.25"
38.1mm x 19.05mm	1.5" x 0.75"
76.2mm x 50.8mm	3.0" x 2.0"
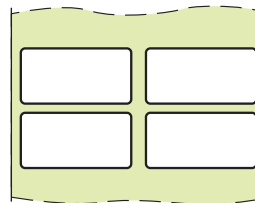
PRINT AREA
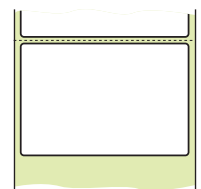
Ribbons

A full line of thermal transfer ribbon in many sizes, colors and ink formulations is also available for a large range of applications. You can be assured that when used together, our ribbons and labels will provide optimal performance with your thermal transfer printer and extend the life of your printhead.

Material	Formulation	Performance Characteristics	Heat resistance	Approvals
03	Resin	Excelent printing quality, sensitivity and receptor multi-compatibility. Excellent resistance to smudge and scratch. Good resistance to high temperature. 03 ribbon is dedicated to applications requiring a perfect printing quality and excellent mechanical resistances.	up to 180°C	UL, RoHS/WEEE , REACH Food contact: This ribbon is compliant with the European Directive 1935/2004/EC
08	Resin	08 ribbon is dedicated to applications requiring a very good level of chemical and heat resistance in addition to a perfect printing quality and excellent mechanical resistances.	up to 250°C	UL, RoHS/WEEE , REACH Food contact: This ribbon is compliant with the European Directive 1935/2004/EC
09	Resin	Excellent printing quality on textile materials, excellent resistance to washes and dry cleaning, very good resistance to ironing.	up to 200°C	RoHS/WEEE , REACH
06	Wax-Resin	Very good printing quality, high speed printig capability, excellent receptor multi-compatibility and sensitivity.	up to 100°C	UL, RoHS/WEEE , REACH Food contact: This ribbon is compliant with the European Directive 1935/2004/EC
07	Wax-Resin	Very high resistance to smudge and scratch.	up to 150°C	RoHS/WEEE , REACH Food contact: This ribbon is compliant with the European Directive 1935/2004/EC
05	Wax	Particularly addapted to all kinds of paper substrates, very good sensitivity, excellent blackness.	up to 60°C	RoHS/WEEE , REACH Food contact: This ribbon is compliant with the European Directive 1935/2004/EC
04	Wax	Receptor multi-compatibility, excellent blackness, very good sharpness.	up to 60°C	RoHS/WEEE , REACH Food contact: This ribbon is compliant with the European Directive 1935/2004/EC
02	New Enhanced Wax	High smudge resistance, excellent receptor multi-compatibility and sensitivity.	up to 100°C	RoHS/WEEE , REACH Food contact: This ribbon is compliant with the European Directive 1935/2004/EC

Ribbons

Ribbon Wound OUT

Backcoating →
PET Film →
Ink Layer(s) →

Ribbon Wound IN

Ink Layer(s) →
PET Film →
Backcoating →

| Material	Formulation	Performance Characteristics	Heat resistance	Approvals
11	Wax-Resin Near Edge	Very good printing quality, high speed printig capability, excellent receptor multi-compatibility and sensitivity. Suitable for Near Edge printhead.	up to 100℃	UL, RoHS/WEEE , REACH Food contact: This ribbon is compliant with the European Directive 1935/2004/EC
13	Wax-Resin Near Edge	Very good printing quality, high speed printig capability, excellent receptor multi-compatibility and sensitivity. Suitable for Near Edge printhead.	up to 110℃	UL, RoHS/WEEE , REACH Food contact: This ribbon is compliant with the European Directive 1935/2004/EC
12	Resin Near Edge	Excelent printing quality, sensitivity and receptor multi-compatibility. Excellent resistance to smudge and scratch. Good resistance to high temperature. 03 ribbon is dedicated to applications requiring a perfect printing quality and excellent mechanical resistances. Suitable for Near Edge printhead.	up to 180℃	UL, RoHS/WEEE , REACH Food contact: This ribbon is compliant with the European Directive 1935/2004/EC
14	Resin Near Edge	14 ribbon is dedicated to applications requiring a very good level of chemical and heat resistance in addition to a perfect printing quality and excellent mechanical resistances. Suitable for Near-Edge print head.	up to 250℃	UL, RoHS/WEEE , REACH Food contact: This ribbon is compliant with the European Directive 1935/2004/EC

* Series 11,12,13,14 are suitable for near edge printheads.

The resin ranges are reserved for extremely demanding applications. Being a product of high technology, the resin ribbons are particularly recommended for synthetic media (PE, PP, PET).

Wax-resin range is first and foremost appreciated for its high levels of performance and versatility for all types of applications. This range of ribbons gives the best results on coated and synthetic paper medias.

The wax range is an economical and quality identification solution dedicated to "flat head" technology: it remains apart from the others due to multipurpose labels and is particularly adapted to all vellums and coated paper medias.

2D's three families of Thermal Transfer Ribbons

RESIN

WAX-RESIN

WAX

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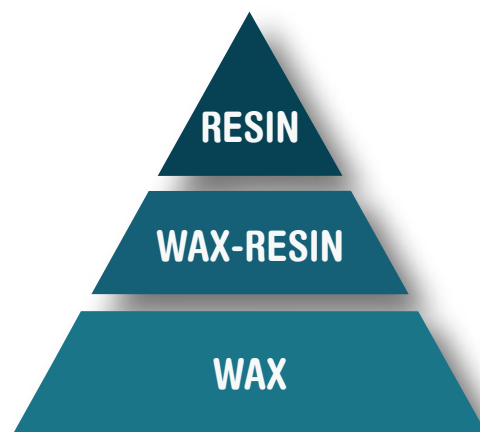
Tags and Papers

Labels and tags for general application. Food & Bavarage, packaging, textile and much more. When using 500, series 2D covers a large spectrum of market and industries. From low cost economy material, through high quality state of the art complex solution.

Material	Material Description	Properties and Applications	Temp	Ribbon	Approvals
541	Non Adhesive Carton TT	541 is a high quality specially coated, wood free printing paper with a smooth micro-absorbent surface structure. Suitable for use with thermal transfer inks, wax and wax-resin.	-40ºC to 70ºC	06/13	RoHS
542	Carton TT	542 is a high quality specially coated, wood free printing paper with a smooth micro-absorbent surface structure. Suitable for use with thermal transfer inks, wax and wax-resin.	-40ºC to 70ºC	06/13	RoHS
501	White Paper TOP	501 is a high quality specially coated, wood free printing paper with a smooth micro-absorbent surface structure. Suitable for use with thermal transfer inks, wax and wax-resin.	-40ºC to 70ºC	05/11	RoHS
503	White Paper MATT	503 is an economy quality coated, wood free printing paper with a smooth micro-absorbent surface structure. Suitable for use with thermal transfer inks, wax and wax-resin.	-40ºC to 70ºC	05/11	RoHS
502	White Paper Gloss	502 is an economy quality coated, wood free printing paper with a smooth micro-absorbent surface structure. Suitable for use with thermal transfer inks wax-resin.	-40ºC to 70ºC	05/11	RoHS
504	Removable White Paper	Super calendared wood-free printing paper with removable adhesive. Ideal for temporary marking, easily removed with minimal residue.	-40ºC to 70ºC	05/11	RoHS
511	Yellow Paper Gloss	511 is a high quality specially coated, wood free printing paper with a smooth micro-absorbent surface structure. Suitable for use with thermal transfer inks, wax-resin.	-40ºC to 70ºC	05/11	RoHS
512	Red Paper Gloss	512 is a high quality specially coated, wood free printing paper with a smooth micro-absorbent surface structure. Suitable for use with thermal transfer inks, wax-resin.	-40ºC to 70ºC	05/11	RoHS
513	Green Paper Gloss	513 is a high quality specially coated, wood free printing paper with a smooth micro-absorbent surface structure. Suitable for use with thermal transfer inks, wax-resin.	-40ºC to 70ºC	05/11	RoHS

PC and Lexan Panels

PC panels are the perfect solution for the interface of any machine or component. Our high performance and cumulative experience in this field enable us to meet the exacting requirements for high quality membrane switches and graphic overlays from the world's leaders in the appliance, electronic, automotive and other industries. PC panels can have many different colors, complex graphics, transparent windows, and wide variety of cut-out areas. Panels can be supplied with clear windows for LEDs and displays. UV Laquer can be applied to provide different textures. We use a wide range of materials such as Polycarbonates, Polyesters, Lexan etc.

Material	Material Description	Properties and Applications	Temp	Approvals
911	Velvet Lexan Film	911 is a one side velvet, one side matt clear polycarbonate film. 911 offers high temperature resistance, excellent dimentional stability as well as good printability without pre treatment making it very suitable for multi-layer printing.	-40ºC to 280ºC	RoHS
901	Clear Lexan Film	901 is a two side glossy clear polycarbonate film. 901 offers high temperature resistance, excellent dimentional stability as well as good printability without pre treatment making it very suitable for multi-layer printing.	-40ºC to 280ºC	RoHS
902	Flame Retardant Polycarbonate Clear Gloss	902 is a clear gloss flame retardant clear polycarbonate film. 902 offers ease of thermoforming, hydroforming, embossing, die-cutting, and bending.	-40ºC to 300ºC	RoHS
903	Flame Retardant Polycarbonate Clear Matt	903 is a clear matt flame retardant clear polycarbonate film. 903 offers ease of thermoforming, hydroforming, embossing, die-cutting, and bending.	-40ºC to 300ºC	RoHS
912	Flame Retardant Polycarbonate Velvet Matt	912 is a velvet flame retardant clear polycarbonate film. 912 offers ease of thermoforming, hydroforming, embossing, die-cutting, and bending.	-40ºC to 300ºC	RoHS

Great for Equipment Faceplates!

# 2D BARCODE SOLUTIONS

Pre-Printed

2D offers custom labels designed to meet your specific needs. These labels are designed to your exact Specifications – color matches, materials, sizes, and regulatory requirements – for your complex application. See below some of 2D pre printing products.

Barcode printing service

Precision is most needed when barcodes are involved.. 2D's state of the art label material together with most Advanced printing equipment will garranty your barcode Will perform. 2D offers:

- All popular linear and 2D bar code symbologies
- Ribbons matched to 2D'S labelling materials
- In-process bar codes verification
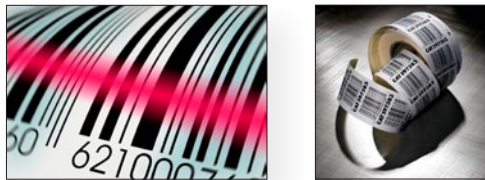
RoHS: Restriction of certain Hazardous Substances

Bans the sale of new electrical and electronic equipment containing more than agreed levels of lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE) flame retardants.

Universal Symbologies

2D posses houndres of world wide symbologies which can easly be printed of different materials and sizes.

Product identification

Brand image is critical. Aesthetically appealing product identification. Labels are an important part of your image. 2D provides custom Product identification labels in a wide choise of materials and sizes.
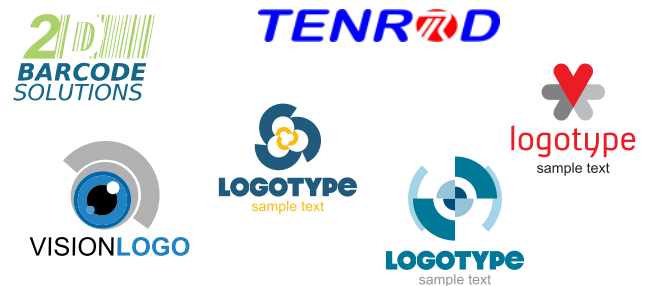
WEEE: Waste from Electrical & Electronic Equipment

This directive requires the collection and treatment of electronic and electrical equipment at the end of the products life.
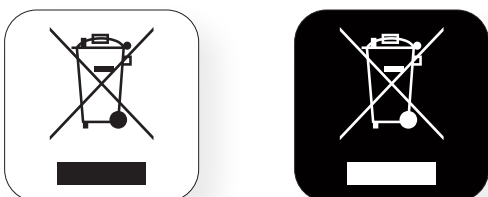
Static Awareness (Caution and Attention)

Static Awareness labels help protect shipments containing sensitive electronic devices or materials. Bright yellow and red "Caution" labels with "Sensitive Electronic Devices" symbol are for unit, intermediate and exterior packs.

Index by Size

2D///
BARCODE
SOLUTIONS

*See below 2D's standard sizes. If you don't find the size you need, please contact us for additional size list.
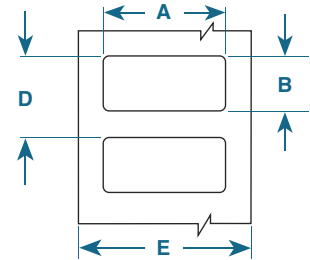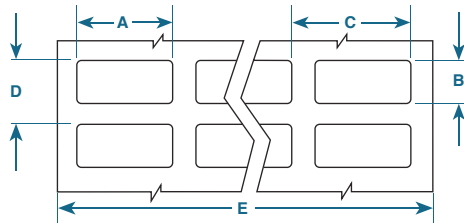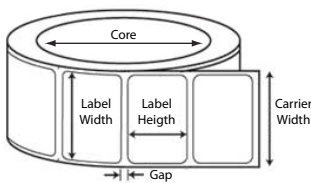
2D Size Code	Label Height (mm) B	Label Widht (mm) A	Horizontal Repeat (mm) C	Vertical Repeat (mm) D	Labels Per Row	Comments
2032	4.50	8.00	9.51	7.04	6	
2035	4.75	25.40	27.29	7.27	3	
2033	5.08	12.70	15.86	7.60	5	
2002	5.08	16.51	18.21	7.60	4	
2001	6.35	6.35	6.35	9.53	12	no horizontal space between labels
2066	6.35	19.05	no	9.67	1	
2003	6.35	19.05	20.35	8.90	4	
2005	6.35	22.85	28.57	9.52	3	
2036	6.35	25.40	27.29	9.51	3	
2006	6.35	31.75	33.05	9.55	2	
2037	6.35	34.93	37.45	9.51	2	
2010	6.35	38.10	41.89	8.87	2	
2011	6.35	50.80	no	9.51	1	
2038	6.35	76.20	no	9.51	1	
2026	8.00	8.00	9.51	10.52	6	
2064	9.00	14.00	17.00	12.00	3	
2063	9.00	32.00	35.00	11.95	2	
2014	9.50	38.60	41.60	12.70	2	
2023	9.53	9.53	11.08	12.05	7	
2031	9.53	17.78	20.30	12.05	4	
2007	9.53	31.75	33.01	12.05	2	
2008	9.65	25.40	no	12.70	1	
2029	10.00	80.00	no	12.50	1	
2004	11.10	12.70	16.83	13.65	5	
2034	12.70	12.70	15.86	15.22	5	
2009	12.70	25.40	27.90	15.68	3	
2015	12.70	38.10	41.89	15.22	2	
2012	12.70	50.80	no	15.22	1	
2062	15.00	50.00	no	17.50	1	
2022	19.05	19.05	20.30	22.21	4	
2016	19.05	38.10	41.89	22.21	2	
2065	25.00	16.00	no	28.18	1	
2039	25.00	35.00	37.00	29.00	2	
2027	25.40	25.40	27.29	28.56	3	
2013	25.40	50.80	no	28.56	1	
2017	25.40	76.20	no	28.56	1	
2024	30.00	60.00	no	33.33	1	
2028	31.75	50.80	no	34.91	1	
2025	31.75	69.85	no	34.91	1	
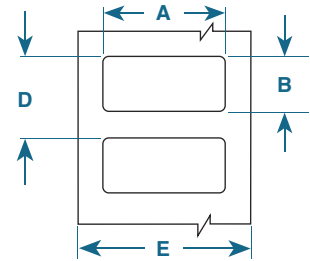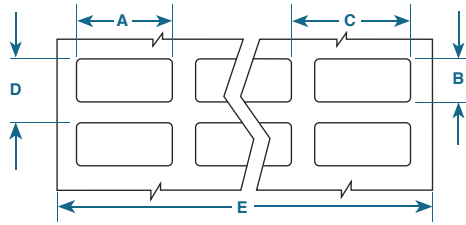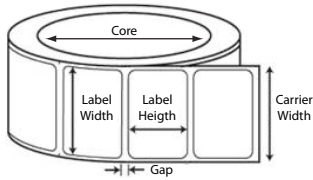
Index by Size

2D Size Code	Label Height (mm) B	Label Widht (mm) A	Horizontal Repeat (mm) C	Vertical Repeat (mm) D	Labels Per Row	Comments
2060	35.00	58.00	no	38.00	1	
2049	44.00	100.00	no	47.00	1	
2059	45.00	60.00	no	47.63	1	
2067	50.00	70.00	no	53.50	1	
2030	50.80	50.80	no	53.96	1	
2018	50.80	76.20	no	53.96	1	
2019	50.80	101.60	no	53.96	1	
2068	57.00	76.00	no	61.00	1	
2052	73.00	73.00	no	76.50	1	
2040	80.00	100.00	no	84.00	1	
2054	149.00	105.00	no	152.50	1	
2055	150.00	100.00	no	152.50	1	
2020	152.40	101.60	no	155.56	1	
2021	165.10	101.60	no	168.26	1	
2061	175.00	49.50	no	177.80	1	
2041	23.95	12.70	15.10	28.45	5	Wire & Cable
2042	36.50	12.70	16.70	41.40	5	Wire & Cable
2043	36.50	25.40	27.90	42.20	3	Wire & Cable
2045	36.50	50.80	52.50	41.40	2	Wire & Cable
2044	57.20	25.40	27.90	60.80	3	Wire & Cable
2056	95.30	25.40	27.40	103.80	3	Wire & Cable

2D P/N Format

1. Printing Technology:	T = Thermal Transfer, D = Direct Thermal	**T**BSSSS-MMM-1B10
2. Printed/Blanked:	P = Printed, B = Blanked	T**B**SSSS-MMM-1B10
3. 2D's Size Code:	Four Random Numbers	TB**SSSS**-MMM-1B10
4. 2D's Material Code:	Three Random Numbers	TBSSSS-**MMM**-1B10
5. Number of Labels per Row:		TBSSSS-MMM-**1**B10
6. Wounding Side:	S – Internal Core 1"(25.4MM) wound IN	TBSSSS-MMM-1**S**10
	Y – Internal Core 1" (25.4MM) wound OUT	TBSSSS-MMM-1**Y**10
	B – Internal Core 3"(76MM) wound IN	TBSSSS-MMM-1**B**10
	Z – Internal Core 3"(76MM) wound OUT	TBSSSS-MMM-1**Z**10
7. Number of Labels per Roll:	K (1000 Labels) per Roll	TBSSSS-MMM-1Z**10**

2D
BARCODE
SOLUTIONS

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All specifications about delivery, design and technical data are given to the best of our current knowledge and are subject to change without prior notice.

2D BARCODE SOLUTIONS