

WAREHOUSE 360°



RACK LABELING

EFFICIENTLY TRACK & LABEL PRODUCTS

PG 4

INDOOR SIGNAGE

INVALUABLE SAFETY & LOCATION COMMUNICATION

PG 7



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WAREHOUSE

Warehouses may deal with hundreds or even thousands of items making their way throughout their facility daily. Meanwhile, warehouse and distribution companies are continually faced with shifting consumer expectations, supply chain ups and downs and an extremely competitive warehouse market.

Today's warehouses need to ship more items, faster, with less space and fewer employees. To compete, even small-to medium-sized companies need to improve efficiencies. Warehouse signs and labels are a critical part of this efficiency.

Successful warehouse businesses rely on accurate labels and signs to locate products and packages, track inventory, and provide important information.



▶ THE BENEFITS OF A WELL-LABELED WAREHOUSE

- **FASTER PROCESSES:** With a proper labeling system, operations become streamlined and products make it to consumers faster.
- **FEWER MISTAKES:** Correctly installed labels and signs lead to fewer picking errors, saving time and money.
- **SAFER WORKPLACE:** Warehouse signs tell employees and visitors where to go, safe places to walk, and indicate forklift crossings.



▶ TRUST THE WAREHOUSE LABELING EXPERTS

DLS combines a thorough understanding of warehouse operations, barcode scanning and label production to help you provide an individualized warehouse label and sign solution for your customers. We help you work through the details of your client's warehouse labeling needs so you have more time and energy to focus on what you do best: selling.



RACK LABELING



▶ SINGLE LOCATION RACK LABELS

- Custom location labels printed with variable data
- Laminated for added durability
- 4-color process digital printing means no upcharge for multiple colors



▶ MULTI-LEVEL & TOTEM RACK LABELS

- Contains the data for multiple locations within a single label
- Great for applications without a long range scanner
- Available in totems and A/B labels



▶ RETRO-REFLECTIVE LABELS

- Retro-reflective label material allows for scanning from longer distances and is perfect for high level racks that need to be scanned from the ground level
- Wrap-around labels cover the front and bottom of the beam to make scanning from the ground, and in tight areas, easier

▶ MAGNETIC LABELING

- Custom printed magnet-applied labels are ideal for racks and shelving
- Easily remove and reposition labels without messy cleanup or adhesive residue
- Suitable for any environment – even deep freezers
- Magnets are available in .030" and .060" thicknesses



▶ PVC BACKED LABELING

- Labels with PVC backing
- Use in areas where labels cannot be applied directly or to avoid holes in rack faces
- Durable



▶ FREEZER GRADE LABELS

- Suitable for application temperatures as low as -10° F
- Water resistant to prevent peeling due to moisture and humidity
- Freezer-grade magnets and PVC placards are also available



▶ RACK CAPACITY LABELS

- Communicate load capacity and space limitations
- Pre-printed or with blank space
- Full-color printing
- Conforms to ANSI and OSHA regulatory standards





CLEANBEAM™



▶ REFRESH & PROTECT YOUR RACKING

Whether your customer's beams have seen a lot of use or are brand new, CleanBeam™ will keep them looking fresh for years to come. CleanBeam™ is applied right over any existing labels and damaged beams to cover them completely and protect against future wear. DLS will match CleanBeam™ to integrate seamlessly with your customer's racking so they can reap **long-term rewards** from this one-time investment.

▶ EFFORTLESS, MESS-FREE LABEL REMOVAL

Once CleanBeam™ is permanently installed on your racking, simply apply your location labels on top of it. Now, when you need to move stock or update a product, you can easily remove the location labels quickly and completely, without leaving any residue. CleanBeam™ will let you say goodbye to expensive magnets and the hassle of scraping old labels—**saving you time & money!**

CLEANBIN™

▶ CLEANBIN™ COMPLETE BIN PROTECTION

The same CleanBeam™ technology can be used for bins as well. Now you can match the color and size of your bins, and cover up old labels. Apply CleanBin™ to new bins to keep them looking new. Simply apply your barcode location labels on top of CleanBin™ for easier scanability. No more stacking labels or trying to remove old labels—making it easier to find and pick parts.



INDOOR SIGNAGE

▶ FLAT HANGING SIGNS

- Identify locations along a wall or at end of aisles
- Shipping and receiving, yard areas and fence gates
- Single-sided



▶ 45° HANGING SIGNS

- Angled foot allows for easier scanning from the ground
- Suspended from cable or conduit
- 1 front-facing view



▶ Z-SHAPED HANGING SIGNS

- Suspended from cable or conduit
- Information printed on both sides
- Both sides angled down for easier scanning/viewing from the ground





▶ AISLE SIGNS (90° BEND)

- For use on rack uprights, shelves and bays
- Identify aisles and rack locations
- Information printed on both sides



▶ A-SHAPE AISLE SIGNS

- Mark back-to-back racks
- Identify aisles and rack locations
- Information printed on both sign faces



▶ ALUMINUM SIGNS

- Durable indoor or outdoor signs
- Weather/Rust resistant
- Reflective options available



▶ HANGING CUBE SIGNS

- Perfect for identifying zones
- Information printed on 4 sides
- 360° View



▶ DOCK DOOR SIGNS

- Clearly identify loading doors and driving entrances
- Available for indoor or outdoor use
- Use with text, numbers or barcodes



▶ LARGE FORMAT SIGNS

- Large signs to identify zones within the facility
- Easily readable from a distance
- Can include text, barcodes, logos and other graphics



▶ SAFETY SIGNS

- Warn workers and visitors of hazards
- Apply to doors, walls and equipment
- Full-color to grab attention
- Conforms to ANSI and OSHA regulatory standards





LABEL ARMOR™



▶ FLOOR LABEL PROTECTORS

Floor labels have never held up well to the rigors of pedestrian and vehicle traffic. Today, there's a new, **impact-resistant solution**: Label Armor.

Label Armor is a self-adhesive label protector. The clear window allows your customers to cover and protect labels on floors, doors, and walls. This unique product features a textured, anti-slip surface that provides extra safety and durability.

▶ A MUTLI-SURFACE SOLUTION

Warehouses, retail spaces, or storage facilities can use Label Armor on:

- Interior & Exterior Doors
- Bulk Locations
- Staging Lanes/ Areas
- Totes
- Walls
- Walkways
- Stairways
- Shipping Docks

▶ STOCK SIZES

Label Armor is available in half letter and full letter sizes.

HALF LETTER SIZE:

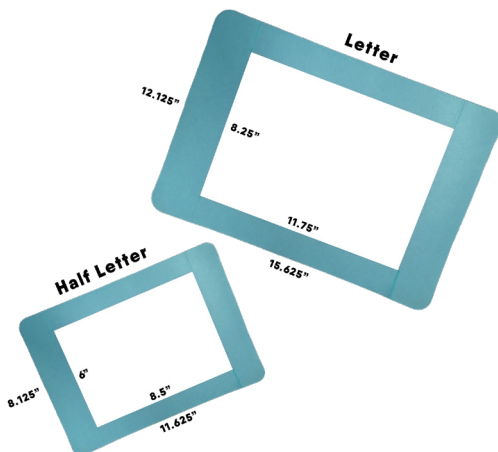
Overall – 8.125" L x 11.625" W

Opening – 6" L x 8.5" W

LETTER SIZE:

Overall – 12.125" L x 15.625" W

Opening – 8.25" L x 11.75" W



FLOOR LABELING

▶ FLOOR GRAPHICS

- Custom printed self-adhesive vinyl graphics
- Communicate important messages to employees and visitors
- Designed for industrial environments
- Will withstand forklift traffic



▶ FLOOR TAPE

- Visible floor marking improves safety and organization in almost any industrial environment
- Ideal for marking aisles, passageways and storage locations and identifying equipment and egress paths



DOME MIRRORS

▶ DOME MIRRORS

- Use in intersecting walkways, forklift routes and entrance areas
- Prevent collisions at blind intersections
- Provide security and surveillance where vision is obscured





INSTALLATION SERVICES

A properly labeled warehouse can play a significant role in increasing the speed and accuracy of operations. But many warehouse operations may be hesitant to take on a major labeling project precisely **BECAUSE THEY ARE BUSY**. This is one of the major benefits of utilizing our professional warehouse labeling team.

► BENEFITS OF PROFESSIONAL LABEL INSTALLATION

- **SAVE TIME:** Our warehouse labeling experts can complete warehouse labeling faster.
- **ENSURE QUALITY & SCANNABILITY:** Avoid mislabeled racks and bins and unscannable labels.
- **AVOID COSTLY MISTAKES:** In sequential labeling, small errors can lead to big issues. Professional installers help avoid these problems.
- **NO ADDITIONAL TRAINING:** Leaning on our professional installers means you don't have to train your staff on how to properly install labels and signs.
- **MINIMIZE DISRUPTIONS:** Using our dedicated staff means your team doesn't need to take valuable time away from their regular roles and responsibilities.
- **COMPLETE SOLUTION:** Get everything you need, including the labels, materials, equipment and labor.

► GUARANTEED WAREHOUSE LABEL INSTALLATION

The most important part of a warehouse label installation? Doing it right the first time.

With DLSwarehouse, we ask all the right questions that may impact the quality and efficiency of the warehouse label installation to avoid miscommunications. Planning is what sets us apart. Our team of dedicated professionals is known for completing warehouse label installation projects in substantially less time due to careful planning.

The best part of using DLSwarehouse as your professional warehouse label and sign installation team: we 100% guarantee our work. With DLSwarehouse you can rest assured that your customer's warehouse will be properly tagged by the time you hit your go-live date!





▶ A COMPLETE SOLUTION

At DLS, we believe installation is a crucial part of our warehouse solution. That's why we provide every install project with an on-site installation manager to be your point person. They manage the process from beginning to end.



Also, you will receive a complete array of services from our experienced team of professional installers including all materials, labor and equipment necessary to label your customer's warehouse. Our team will have all the supplies and equipment on-site prior to installation.



ASK YOUR SALES REPRESENTATIVE TO SCHEDULE A *SITE SURVEY* WITH YOU TODAY!

Here are a few more reasons DLSwarehouse is your go-to partner for warehouse label installation:

- Because we bring our own team, you don't need to worry about hiring someone else to install the labels and signs.
- Our installers work closely with the site contact or manager to ensure all our services meet your expectations. Our team keeps in constant communication to ensure 100% accuracy.
- At DLSwarehouse, we design and produce the labels and signs. Who better to install them? Let us help you streamline your customer's warehouse operations with this valuable service.



“DLS HAS
THE **PERFECT**
SOLUTION
FOR ALL YOUR
THERMAL
NEEDS”



THERMAL SOLUTIONS

Thermal printers and labels can help boost productivity and efficiency by allowing warehouse personnel to print when and where it is needed.

With our complete thermal solutions, your customers can print labels on demand for:

- Product marking/ barcodes
- Work-in-process control
- Carton/pallet labeling
- Cross Docking
- Shipping/ receiving labeling
- Inventory control
- Document management
- And more...

► THERMAL PRINTERS

We offer a wide range of printers for diverse applications. These printers support a variety of different media and label types to support the printing needs of your customer's business.

INDUSTRIAL PRINTERS:

Our Performance industrial printer selection is built for high-performance and high-volume printing. With some of our fastest print speeds and premium printhead technology, our Performance industrial thermal printers deliver high-quality, crisp and clear labels for nearly any printing application.

DESKTOP PRINTERS:

Designed to the highest quality standards, our desktop printers are also budget-friendly and customizable to adapt to a wide variety of applications.

MOBILE PRINTERS:

Our small, lightweight, and rugged mobile printers with long battery life are made to last the entire workday. They allow your team to efficiently print at the point of application to reduce downtime and increase production.



► THERMAL LABELS & PRINT MEDIA

We are a leader in the production of thermal labels and carry an extensive selection of stock and custom direct thermal and thermal transfer labels. We have access to a wide array of label facestocks, adhesives and finishing options, and can provide specialty labels including durable, outdoor, GHS or linerless labels. Our label experts will work with you to ensure that your customer gets the right thermal labels and media.



► RIBBONS

Our platinum wax, wax-resin and full resin ribbons allow your customers to not only print a rich, dark black color, but also run at exceptional speeds (up to 16 ips), all at incredible savings. They are compatible with all major brands of thermal printers, including TSC Printronix Auto ID.

Contact us at DLS. We are your TSC Printronix Auto ID Genuine Supplies headquarters.



RFID PRINTING SOLUTION

Utilizing RFID (Radio Frequency Identification), warehouses are able to track and capture information about products, assets and inventory in real time. Additionally, unlike barcodes, RFID labels do not require line of site, and multiple labels can be read simultaneously.

The result is increased accuracy, maximized efficiency and reduced warehouse operating costs.

We make it easy for your customers with an award-winning line of industry-leading RFID printers and encoders, as well as a comprehensive selection of RFID labels, ribbons and print supplies.

▶ RFID PRINTERS/ ENCODERS

Our award-winning line of RFID printers offer high-performance features, including 4-inch and 6-inch print widths, the ability to print on standard RFID labels and on-metal tags and up to 600 dpi for small labels. Printronix Auto ID RFID printers are enhanced to include high-speed encoding and high-memory encoding.

▶ RAIN RFID LABELS

Our label experts ensure that your customers receive the proper labels and RFID technology for their application. Whether your customers are looking to replace an existing RFID label or are new to RFID technology, we can provide the RAIN RFID labels they need.

▶ SERVICE BUREAU PRINTING/ENCODING

Need preprinted and encoded RFID labels for your customer? With our service bureau option, you can provide properly printed and encoded RFID tags, so your customer can focus on their core business. The result is faster labeling, improved processes, lower costs and less time fixing errors.

▶ RIBBONS

Every label is different and each material and/or use will require a certain type of ribbon. Our thermal printer experts will help you determine the best option for your customer's application.



LABEL MATERIALS

► FACESTOCKS

MATL. CODE	DESCRIPTION	ADHESIVE	MIN. APP. TEMP.	MIN. SERVICE TEMP.	NOTES
13125	3mil TT Polyolefin	Polyolefin	40°F	-40°F	Standard White Label Material
11114	5.5mil TT Polyester Retro-Reflective	Polyester	45°F	-40°F	Retro Reflective
12400	3mil TT White Polyolefin Cold Temp	Polyolefin	-10°F	-65°F	Freezer/Water Resistant
12138	2.3mil TC White Metallized BOPP	Bopp	40°F	-40°F	Cover Up Material/Cleanbeam
11191	2mil TT White Polyester	Polyester	50°F	-40°F	Permanent Polyester
11122	2mil TT White Polyester Aggressive	Polyester	25°F	-40°F	Aggressive Adhesive Polyester
13202	3mil TT Polyolefin Removeable	Polyolefin	40°F	-40°F	Removable Poly Material
01701	3.2mil TT Opaque	Paper	25°F	-65°F	Cover Up Paper Material/CleanBin
07946	6mil Matte White Polyolith GC-3 Tag	Polypropylene	N/A	N/A	Tag Stock

► LAMINATES

MATL. CODE	DESCRIPTION	ADHESIVE	MIN. APP. TEMP.	MIN. SERVICE TEMP.	NOTES
92000	1mil Clear Polypropylene	Polypropylene	32°F	0°F	Standard White Label Laminate
92009	.75mil Clear Polyester	Polyester	32°F	-30°F	Cold Temps and UV Protection
92010	.92mil Clear Easy Release	Polyester	32°F	0°F	Easy Release Laminate/Cleanbeam
92005	1mil Clear TT Polyester	Polyester	32°F	-30°F	TT Printable
92002	1mil Matte Clear Writeable	Polypropylene	32°F	0°F	Marker Writable
20302	5mil Matte Polycarbonate Lexan	Lexan	50°F	-40°F	Heavy Duty Durable Laminate

DATA FILE FORMAT

Data files provide the information that is needed when printing labels with variable data. In order to ensure that the labels are printed accurately, it is important that the data file is formatted correctly.

Data files should be provided as an Excel (.xls) file. See the examples below for the correct format based on the type of label that is being printed.

Please Note: Each label should be placed on a different row, with its data in the columns.

BARCODE & HUMAN READABLE ARE THE SAME:



	A
1	BC/HR
2	A0101
3	A0102
4	A0103

- One File
- One Column of data
- Each row is a separate label

BC= Barcode HR= Human Readable

BARCODE & HUMAN READABLE ARE DIFFERENT:



	A	B
1	BC	HR
2	B0101	B-01-01
3	B0102	B-01-02
4	B0103	B-01-03

- One File
- Barcode data in first column
- Human Readable data in second column
- Each row is a separate label

BC= Barcode HR= Human Readable

WHEN LABEL HAS ARROW (S) ← → ↑ ↓



	A	B	C	D
1	BC	HR	ARROW*	COLOR
2	C0101	C-01-01	D	RED
3	C0102	C-01-02	U	BLUE
4	C0103	C-01-03	U	GREEN
5	C0104	C-01-04	U	YELLOW
6	C0105	C-01-05	U	BLACK

- One File
- Barcode data in first column
- Human Readable (if applicable) in second column
- Letter representing Arrow Direction in third column (see chart on the right for Letter/Arrow Direction reference)
- Each row is a separate label

ARROW DIRECTION



No Arrow

*LETTER TO INSERT IN COLUMN

U
R
D
L
N

BC= Barcode
HR= Human Readable
COLOR= Color

U= Up
R= Right

D= Down
L= Left

N= No Arrow

WHEN LABEL HAS MULTIPLE BARCODES:

- One File
- Barcode data of first barcode is in first column
- Human Readable Data (if applicable) of first barcode is in the second column.
- Color is in the third column
- Columns are added for subsequent barcodes (barcode data for second barcode is in third column, human readable data for second barcode is in fourth column, color is in the fifth column, etc.)
- If there is an arrow on the label, the letter representing arrow direction is in the final column after all barcode data.
- Each row is a separate label



	A	B	C	D	E	F	G	H	I	J
1	BC	HR	COLOR	BC	HR	COLOR	BC	HR	COLOR	AR
2	A0101	A-01-01	RED	A0102	A-01-02	BLUE	A0103	A-01-03	GREEN	L
3	B0201	B-02-01	RED	B0202	B-02-02	BLUE	B0203	B-02-03	GREEN	R
4	C0301	C-03-01	RED	C0302	C-03-02	BLUE	C0303	C-03-03	GREEN	L

BC= Barcode **HR= Human Readable**

CLR= Color **AR= Arrow Direction**

U= Up **D= Down**

L= Left **R= Right** **N= No Arrow**

ARROW DIRECTION



No Arrow

***LETTER TO INSERT IN COLUMN**

U
R
D
L
N



WE ONLY SUCCEED
WHEN YOU DO.





A LABEL PARTNER THAT TAKES
YOUR BUSINESS TO A WHOLE
NEW LEVEL!



DIVERSIFIED
LABELING SOLUTIONS

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