K-SUN LABELShop®
2012XLST

Portable heat shrink tube, wire wrap and industrial labeling thermal transfer printer for desktop or job site.

Tackle your labeling needs with this portable heat shrink tube, wire wrap and general labeling thermal transfer printer. Model 2012XLST is easily transported for use on the job site, but is still well suited for the plant, laboratory, facility, electrical, aviation, warehouse or office applications.

SHRINK TUBE

Owner's Manual

Basics
- LCD display: 12 character, 4 lines dot matrix STN LCD
- Dimension: 7.9" (w) x 8.1" (d) x 2.5" (h)
- LCD language prompts: English, Spanish
- LCD light adjustment: 11 darken to lighten steps
- Keyboard: a larger 72 key QWERTY-compatible keyboard
- Weight: 1.9 lbs.
- Power: 6-AA batteries or AC adapter (included) that meets California energy use guidelines
- Power management: automatic power off
- Portability: built-in frame handle
- Machine structure: high impact plastic
- Data storage: 8-year life – utilize SRAM + lithium battery
- Bar code function: Code 39, Code 128, ITF, UPC-A, UPC-E, CODABAR
- Memory size: 5,000 characters, 99 files

Labels
- Maximum label length: 72 inches or 6 feet
- Label preview: length & width shows on LCD screen

Tapes
- Tape type: uses heat shrink tube, wire wrap and standard K-Sun LABELShop® tapes
- Heat shrink tube sizes: 1/8", 3/16", 1/4", 3/8", 1/2"
- Tape width: 1/6"(4 mm), 1/4" (6 mm), 3/8" (9 mm), 1/2" (12 mm), 3/4" (18 mm), 1" (24 mm)
- Tape cutter: auto or manual label length cutter
- Tape corner trimmer: PeelGuard™ tape trimmer
- Uses same tape supplies as previous K-Sun LABELShop® printers

Text
- Fonts: 14 fonts, bitmap fonts installed for print characters
- Font functions: bitmap smoothing function
- Text alignment: left, center, right
- Styles: bold, italic, underline, shadow, outline, superscript, subscript, border, border with shade
- Font point sizes: 6, 10, 13, 19, 26, 38, 48
- Symbols: contains industrial symbols library
- Lines of text: 1 to 8 lines

Printing
- Print technology: thermal transfer
- Print resolution: 180 dpi
- Print speed: 6 mm/sec to max 13 mm/sec
- Horizontal and vertical printing
- Enlarge printing: makes labels up to 4 inches wide
- Repeat printing: 100 times
- Alpha-numeric sequence
- Print on polyolefin shrink tube, polyester wire, cable wrap materials and industrial polyester adhesive-backed tapes

PeelGuard™ Tape Trimmer
- Built into system
- Rounds label corners
- Provides peeling protection
- Professional appearance
- More permanent industrial labels

PeelGuard™ Tape Trimmer

PeelGuard™

Printer Kit Contents
- 2012XLST thermal transfer heat shrink tube printer
- 2 supply cartridges
- AC power adapter
- 6-AA batteries
- Case
- Tape liner cutter tool
- Printed machine manual

Environment
- Conforms to FCC Class B Standards
- Lead free parts
- Non-PVC parts
- LSAD-3 AC power adapter

Safety Functions
- Low battery warning
- Open cover alarm
- Overheat detection
- Auto text storage when power out
- Automatic temperature sensor
- Memory backup
- Battery reversed alarm
- Circuit breaker

The LSAD-3 AC power adapter included with the printer meets the new California Energy Commission's minimum efficiency and no-load energy reduction standards (international versions of adapter are available).

K-SUN

60 COLOR AND SIZE TAPE COMBINATIONS

1/6" 4mm
- BLACK on white #204BW

⚠ **WARNING 480 VOLTS** Potential Arc Flash Hazard

Coated for durability & flexibility.

OIL RESISTANT
WATER RESISTANT
CHEMICAL RESIST...

Standard and vivid colors, white, and clear – 26' (8M) tape length.

1/4" 6mm
| BLACK on clear #206BC | BLACK on white #206BW | BLACK on yellow #206BY | WHITE on black #206WB | BLACK on green #206BG | BLACK on blue #206BB | BLACK on red #206BR |

3/8" 9mm
| BLACK on clear #209BC | BLACK on white #209BW | BLACK on yellow #209BY | WHITE on black #209WB | BLACK on green #209BG | BLACK on blue #209BB | BLACK on red #209BR |

1/2" 12mm
| BLACK on clear #212BC | BLACK on white #212BW | BLACK on yellow #212BY | WHITE on black #212WB | BLACK on green #212BG | BLACK on blue #212BB | BLACK on red #212BR | GOLD on clear #212GC | GOLD on black #212GB | WHITE on clear #212WC | WHITE on vivid red #212WR | WHITE on vivid green #212WG | WHITE on vivid blue #212WL |

3/4" 18mm
| BLACK on clear #218BC | RED on clear #218RC | WHITE on clear #218WC | BLACK on white #218BW | BLACK on yellow #218BY | RED on white #218RW | BLUE on white #212BLW | WHITE on black #218WB | BLACK on gray #218BX | BLACK on blue #218BB | BLACK on red #218BR | BLACK on orange #218BO |

3/4" 18mm
| BLACK on translucent matte #218BTM | BLACK on green #218BG | BLACK on violet #218BV | WHITE on vivid red #218WR | WHITE on vivid orange #218WO | WHITE on vivid green #218WG | WHITE on vivid blue #218WL | BLACK on fluorescent red #218FR | BLACK on fluorescent pink #218FP | BLACK on fluorescent orange #218FO | BLACK on fluorescent yellow #218FY | BLACK on fluorescent green #218FG |

Fluorescent colors 16' (5M) tape length

1" 24mm
| BLACK on clear #224BC | BLACK on white #224BW | BLACK on yellow #224BY | WHITE on black #224WB | BLACK on blue #224BB | BLACK on red #224BR | BLACK on green #224BG | WHITE on vivid red #224WR | WHITE on vivid orange #224WO | WHITE on vivid green #224WG | WHITE on vivid blue #224WL |

Since colors shown here are printed, they are intended only to generally represent actual tape colors.

Tape Specifications

- 60 color and size tape combinations to choose from
- Labeling tapes and wire wrap made of durable, all weather polyester base with a permanent, industrial grade acrylic adhesive
- Tapes are flexible for curved surface labeling
- Adhesive can adhere to itself for wire tabbing and flagging
- Tapes have 5-7 year outdoor life
- Shrink tube material is an industrial grade polyolefin base material
- Shrink rate is 50% or more in diameter and 15% or less in length with shrink ratio of 3 to 1
- Shrink tube material compliance: UL standard 224, Meets mil-1-23053/5 class 1 and 3, mil-IR 46846 type V ratings
- Wire wrap tape prints on white area and has clear tail to overlap printed material
- Labeling tapes, shrink tube material and wire wrap printed with resin thermal transfer ribbon for UV, scratch, fade, chemical and smear resistance
- Tape complies with ANSI/TIA/EIA-606A Standards

K-Sun LABELShop® 2012XLST is warranted for parts, labor, repair and replacement for up to six months from date of customer purchase.

Polyolefin Shrink Tube Cartridge Color & Sizes (length=96")					
Ink on Tube	1/8"	3/16"	1/4"	3/8"	1/2"
Black on Red		205STBR			211STBR
Black on Yellow	203STBY	205STBY	208STBY		211STBY
Black on White	203STBW	205STBW	208STBW	210STBW	211STBW

Self–Lamination OVERWRAP LABEL TAPE	
224SL	1/4" Black on White – 3/4" Tail *(26')

LABELS FOR A VARIETY OF INDUSTRIAL APPLICATIONS

Print label and peel off backing.

Place printed section on wire or cord.

Wrap lamination section around wire protecting the label.

WIRE LABELING & TABBING

"The leader in professional labeling solutions"

K-SUN
LABELShop® 🐝 BEE3+™

Heat-Shrink Tube and Industrial Label Printer

The K-Sun LABELShop® BEE3+™ is the professional's choice for heat-shrink tube identification and general custom labeling of wires, cables, panels, terminals, face plates, tools and equipment. *The BEE3+ offers 11 different heat-shrink tube sizes and colors!*
3-Year Unconditional Warranty!

K-Sun LABELShop® BEE3+™ Kit
Contains the BEE3+ printer with rubber edge guard, AC or DC adapter, case, (1)1/2" black on white tape, (1)1/2" black on white heat-shrink tube cartridge, wrist strap and 6 AA batteries.

Printer Features & Functions
- ■ 5 Heat-Shrink Tube Sizes, 3 Color Combinations
- ■ 3-Year FREE Printer Warranty
- ■ Automatic Tape and Heat-Shrink Tube Cutter
- ■ Keyboard: 67 Key QWERTY-Compatible Keyboard
- ■ Transparent Tape Cover: Instantly Reveals Tape Color, Size and Remaining Tape, Easy to Change
- ■ LCD Display: 12 Characters, 2-Lines Dot Matrix Standard LCD
- ■ LCD Light Adjustment: 5 Dark to Light Settings
- ■ Print Preview: Shows Label Design and Type Style
- ■ Print Technology: High Durability Thermal Transfer
- ■ Print Resolution: 180 DPI
- ■ Print Speed: All Tapes Print 6mm Per Second or 2.36" Per Second
- ■ Print Density: 3 Dark to Light Settings
- ■ Power: Runs on **Batteries**: 6 AA, **AC Power Adapter**: 115-240V that Complies with California Energy Reduction Requirements and **DC Auto & Truck Adapter:** 12V
- ■ Power Management: Automatic Power Off
- ■ Portability: Hand-Held or Desktop Operation. Built-in Frame Handle and Nylon Wrist Strap for Enhanced Portability and Protection.
- ■ Printer Dimensions: 7.4"(wide) x 2.3"(high) x 8.8"(deep)
- ■ Printer Weight: 1.23 Lbs.
- ■ Printer Construction: High Impact Plastic with Rubber Base Guard

Print Functions
- ■ 6 Bar Code Formats: Code 39, Code 128, ITF, UPC-A, UPC-E, CODABAR
- ■ Cable Label Function: "Quick Key" Speeds Design of Wire and Cable Labels
- ■ Horizontal and Vertical Functions
- ■ 14 Fonts, Bitmap Fonts Installed for Print Characters
- ■ Symbols: 1,028 Special Industrial, Medical, Safety, Office, Home and General Symbols, Punctuation, Math, Arrows and More.
- ■ Font Sizes: 6 to 26 Point Depending on Type Style and Tape Width
- ■ Font Functions: Bitmap Smoothing Function
- ■ Font Styles: Bold, Italic, Shadow, Outline, Shadow+Outline
- ■ Lines of Text: 1 to 4 Lines of Text Depending on Tape Width
- ■ Text Alignment: Left, Center, Right
- ■ Tape Feed and Cut Function Key for Manual Advance
- ■ Back Space and Delete Functions
- ■ Frames: 75 Professional and Decorative
- ■ Print Length: 15", 90 Characters
- ■ Memory Storage: 4 Files
- ■ Euro/Latin Characters: "Quick Key" for Easy Entry of European/Latin Language Characters
- ■ Language Prompts: English/Spanish

Heat-Shrink Tube & Labeling Tape Supplies
- ■ Heat-Shrink Tube Selection: Polyolefin Heat-Shrink Tube Material in 1/8", 3/16", 1/4", 3/8" and 1/2" Widths, 3 Color Combinations
- ■ Tape Selection: 58 Industrial Tapes and 5 Heat-Shrink Tube Materials
- ■ Two-in-One Tape: Flexible Polyester Base for Wire and Cable Wrap; Polyester Provides Durability and Permanent Adhesive Strength for Flat Surfaces Too. Solves Two Requirements with One Tape.
- ■ Tape Width Selection: 5 Widths: 1/6"(4mm), 1/4"(6mm), 3/8"(9mm), 1/2"(12mm), 3/4"(18mm).
- ■ Tape Complies with ANSI/TIA/EIA-606-A Standards.

Environmental and Safety
- ■ Printer Runs on Safe 6.5V DC Power
- ■ Conforms to FCC Class B Standards
- ■ RoHS Directive: Parts Within RoHS Requirements and Standards
- ■ Non-PVC Parts
- ■ Low Battery Warning
- ■ Overheat Detection and Power Shut Off
- ■ Auto Text Storage When Power Out
- ■ Automatic Temperature Sensor
- ■ Battery Reversed Alarm
- ■ Circuit Breaker
- ■ LSAD Adapter: Meets All Requirements for California Energy Commission's Minimum Efficiency and No-Load Energy Reduction Standards
- ■ International AC Power Adapters also available

12V-DC Auto & Truck Adapter makes the K-Sun LABELShop® BEE3+™ even more portable and affordable, saving on batteries during field operations!

K-SUN
Leader in Professional Labeling Solutions

K-Sun LABELShop® *BEE3+*™ Offers 11 Heat-Shrink Tube Supplies and 58 Industrial Polyester Pressure Sensitive Tape Sizes and Colors

1/6"
4mm

BLACK on white
#204BW

1/4"
6mm

BLACK on clear	BLACK on white	BLACK on yellow	WHITE on black	BLACK on green	BLACK on blue	BLACK on red
#206BC	#206BW	#206BY	#206WB	#206BG	#206BB	#206BR

3/8"
9mm

BLACK on clear	BLACK on white	BLACK on yellow	WHITE on black	BLACK on green	BLACK on blue	BLACK on red
#209BC	#209BW	#209BY	#209WB	#209BG	#209BB	#209BR

1/2"
12mm

BLACK on clear	BLACK on white	BLACK on yellow	WHITE on black	BLACK on green	BLACK on blue	BLACK on red	GOLD on clear	WHITE on clear	GOLD on black	WHITE on vivid red	WHITE on vivid green	WHITE on vivid blue
#212BC	#212BW	#212BY	#212WB	#212BG	#212BB	#212BR	#212GC	#212WC	#212GB	#212WR	#212WG	#212WL

Standard & vivid colors, white and clear - 26' (M) tape Length

3/4"
18mm

BLACK on clear	BLACK on translucent matte	BLACK on white	BLUE on white	RED on white	Red on clear	WHITE on clear	WHITE on black	WHITE on vivid red	WHITE on vivid orange	WHITE on vivid green	WHITE on vivid blue
#218BC	#218BTM	#218BW	#218BLW	#218RW	#218RC	#218WC	#218WB	#218WR	#218WO	#218WG	#218WL

3/4"
18mm

BLACK on yellow	BLACK on gray	BLACK on blue	BLACK on red	BLACK on orange	BLACK on green	BLACK on violet	BLACK on fluorescent red	BLACK on fluorescent pink	BLACK on fluorescent orange	BLACK on fluorescent yellow	BLACK on fluorescent green
#218BY	#218BX	#218BB	#218BR	#218BO	#218BG	#218BV	#218FR	#218FP	#218FO	#218FY	#218FG

Fluorescent colors 16' (5M) tape length

3/4"
18mm

BLACK on silver holographic	WHITE on rosewood grain	WHITE on granite stone	WHITE on rainbow sunset	BLACK on oakwood grain	BLACK on valence marble
#218HLF 5'8"	#218WPR 13'10"	#218SPG 13'10"	#218CGS 13'10"	#218WPO 13'10"	#218SPV 13'10"

Since colors shown here are printed, they are intended to generally represent actual tape colors.

K-Sun LABELShop® Cartridges come in transparent plastic housings revealing tape color, size and quantity both in and out of printer.

Tape Specifications

- ■ Labeling tapes are made of durable, all-weather polyester base with a permanent, industrial grade acrylic adhesive.
- ■ Tapes are flexible for curved surface labeling.
- ■ Adhesive can adhere to itself for wire tabbing and flagging.
- ■ Tapes have 5-7 year outdoor life.
- ■ Shrink tube material has an industrial grade polyolefin base.
- ■ Shrink rate is 50% or more in diameter and 15% or less in length with shrink ratio of 3 to 1.
- ■ Shrink tube material compliance: UL standard 224, Meets mil-1-23053/5 class 1 and 3, mil-IR 46846 type V ratings.
- ■ Labeling tapes and shrink tube material is printed with resin thermal transfer ribbon for UV, scratch, fade, chemical and smear resistance.

Two-in-one coated tape provides extreme durability for permanent labels.

OIL RESISTANT
WATER RESISTANT
CHEMICAL RESIST

Two-in-One Tape

Flexible polyester tape base designed for wire and cable wrapping, tabbing and flagging. Polyester also provides permanent strength for flat surface labeling. No need for different tape materials to do the job! One tape fits all applications.
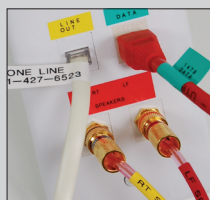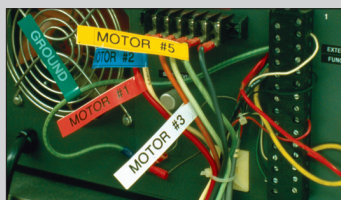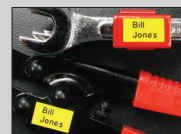
Industrial Grade Heat-Shrink Tube Supplies

Polyolefin Shrink Tube Cartridge Color & Sizes (length=96")					
Ink on Tube	1/8"	3/16"	1/4"	3/8"	1/2"
Black on Red		205STBR			211STBR
Black on Yellow	203STBY	205STBY	208STBY		211STBY
Black on White	203STBW	205STBW	208STBW	210STBW	211STBW

K-Sun LABELShop® *BEE3+*™ Offers Labels For Every Application

WARNING 480 VOLTS
Potential Arc Flash Hazard

LAB COATS
Stock 4 Small
1236786

WARNING
DO NOT EXCEED 1000 LBS.

k-sun

Leader in Professional Labeling Solutions
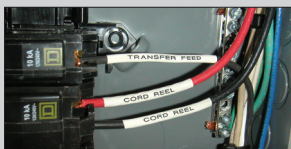
When You Need A Professional Label, We'll "BEE" There!

K-Sun LABELShop® GREEN MACHINE® FEATURES

Machine Dimensions	7.1"/180mm (W) x 9.3"/236mm (D) x 3.2"/81mm (H)
Machine Weight	1.7 Lbs. /.77Kg (excluding batteries and tape cartridge)
Print Resolution	180 dpi
Barcode Formats	6 barcode formats: Code 39, Code 128, ITF, UPC-A, UPC-E, and CODABAR for custom barcode creation
LCD	Backlit LCD Display: 4 lines, 11 Settings for optimum viewing conditions
Characters	**Fonts:** 14 **Symbols:** 464 general symbols, 373 pictographs, 87 frames, 4 tables **Language Prompts:** Provides operational instructions for domestic and international labeling in: English, Spanish , French, Italian, German, Danish, Norwegian, Swedish , Finnish, Russian, Croatian, and Greek **7 Font Point Sizes:** 6,10,13,19,26,38,48 **Background Designs:** Wave, diamonds, cherry, card, arabesque, mesh, or dots for special effects **Text Size and Font Style Hot Keys:** For easy selection of type sizes and font styles **Euro-Latin Hot Key:** Allows instant access to 79 European and Latin characters for multiple language labels
Tape Cutter	**PeelGuard® Tape Trimmer:** Exclusive built-in electronic cutting system rounds label corners on demand Provides edge peel protection for more permanent labels Rounded corners make more professional looking labels
Tape Colors	60 Combinations (size, color, and shrink combinations)
Memory Storage	Holds 99 Files/5,000 characters for safe storage of common labels
Formatting	multi-line
Label Length	72 inches, 6 feet, 1.8 meters
Tape and Heat Shrink Tube Supplies	**Two-In-One Tape:** • Flexible Polyester Base for Wire and Cable Wrap.

• Polyester Provides Durability and Permanent Adhesive
• Strength for Flat Surfaces Too.
• Solves Two Requirements With One Tape.
Tape Width Selection: 5-Widths- 1/6"(4mm), 1/4"(6mm), 3/8"(9mm), 1/2"(12mm), 3/4"(18mm)
Heat Shrink Tube Selection: Polyolefin Heat Shrink Tube Material in 1/8" and 3/16" Widths, Three Color Combinations

Environmental and Safety	• Printer and AC Adapter are compliant with Eco-Design Directives • Does not produce Ozone, ionizing or UV radiation or other types of radiation • Non-PVC, lead-free parts, and no mercury • Flash Memory Backup System: No toxic batteries to cause waste disposal problems • RoHS/WEEE compliant (no hazardous materials used) • International AC Adapter: Meets/exceeds CE,UL,cUL,LPS,TUV and GS compliance, certification, and testing standards • AC Adapter meets/exceeds Energy Star and California Energy Code V no-load energy reduction and efficiency standards • Halogen-free adhesive labeling tape supplies • Battery cover made from recycled plastic • Recycled paper used in all packaging and printed instructions • Tape cartridges have 50% recycled plastic and are recyclable through K-Sun • Printer Auto Shut-off after 5 minutes saves energy
Cable Label Function	Cable Label "Quick Key" Speeds Design of Wire and Cable Labels
Power	Runs on Batteries- 6AA, Universal International AC Adapter (100-240V) switching power adapter included with The GREEN MACHINE® meets and exceeds EU, UK, CSA, UL, CE and Level V California energy reduction standards and is available in multiple plug configurations for U.S. and international electrical requirements
Print Technology	High Durability Thermal Transfer
Tape Sizes	1/6", 1/4", 3/8", 1/2" and 3/4"
Shrink Tube Sizes	5 Heat Shrink Tube Sizes: 1/8", 3/16", 1/4", 3/8", and 1/2"