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ATLAS MAX

# ATLAS MAX

*The new **QUALITY** standard for high-volume, on-demand, sustainable direct-to-garment production*

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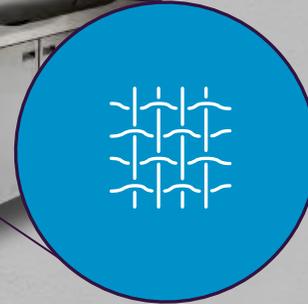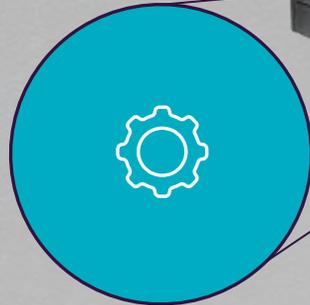bonding matters

# ATLAS MAX: INNOVATION IN STYLE

## Ink Technology

- Eco-Rapid & Eco-Fix
- Eco-Rapid Intensifier
- Eco-Rapid Q.fix

## Ready for Automation

- Kornit ActiveLoad: semi-automatic loader
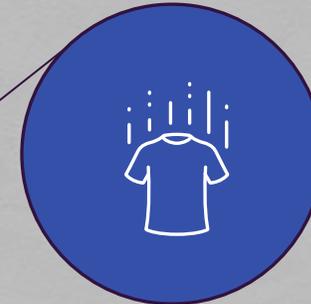- Kornit Qualiset: smart autonomous calibration

## XDi Technology

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# ATLAS MAX: MAXIMIZE YOUR PRODUCTION FLOW

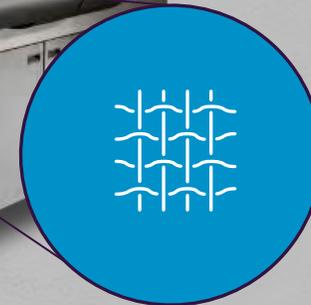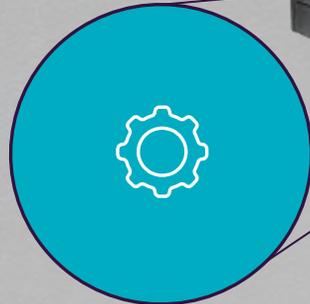**Management Window**

- "Walk By" system monitoring

**Kornit$^x$ and Kornit Konnect**

- Remote production monitoring and site management

**Quick Pallet Replacement**

**Automatic Wrinkle Detection**

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# VARIETY OF APPLICATIONS

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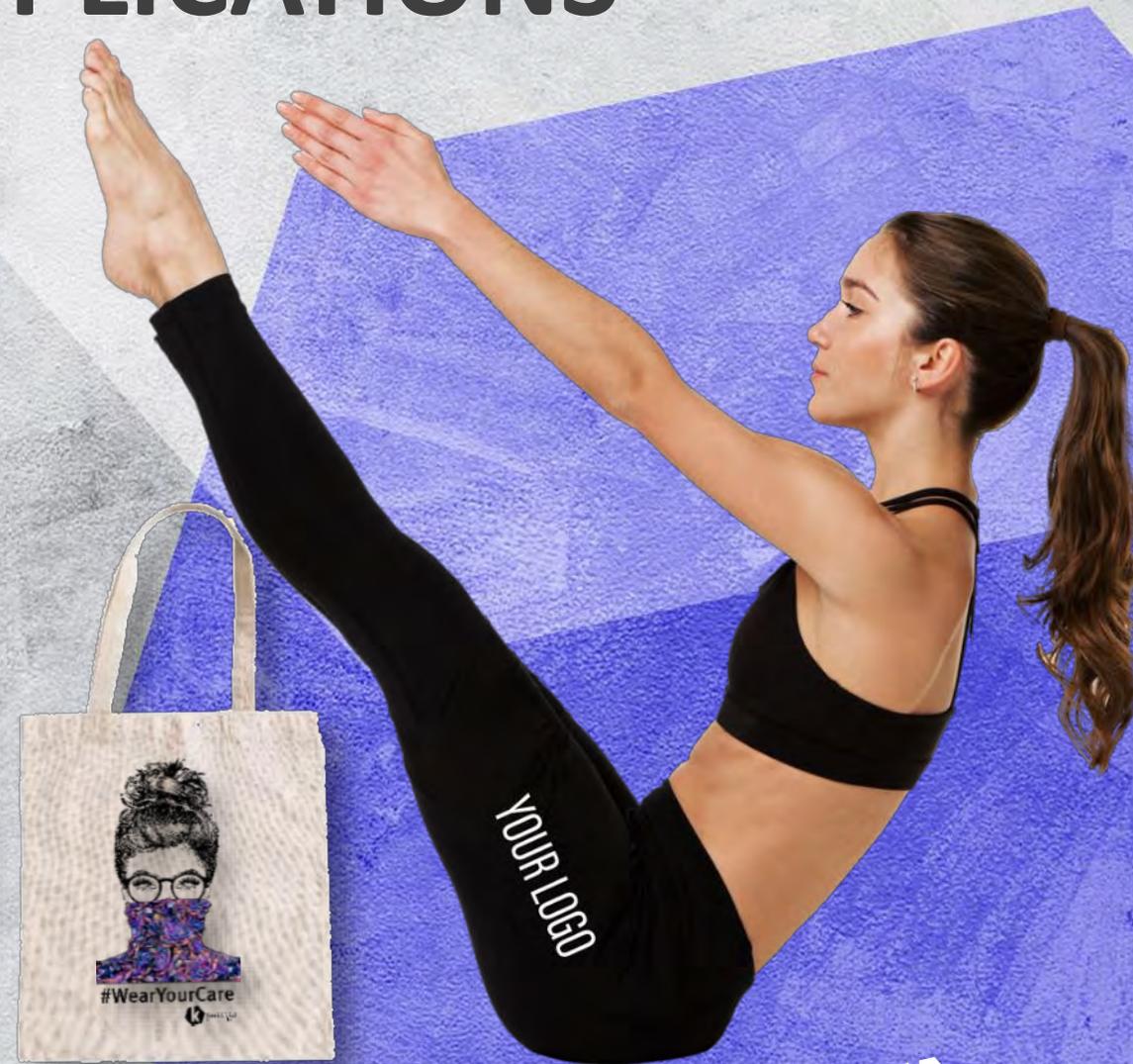
# THE NEXT LEVEL IN RETAIL QUALITY
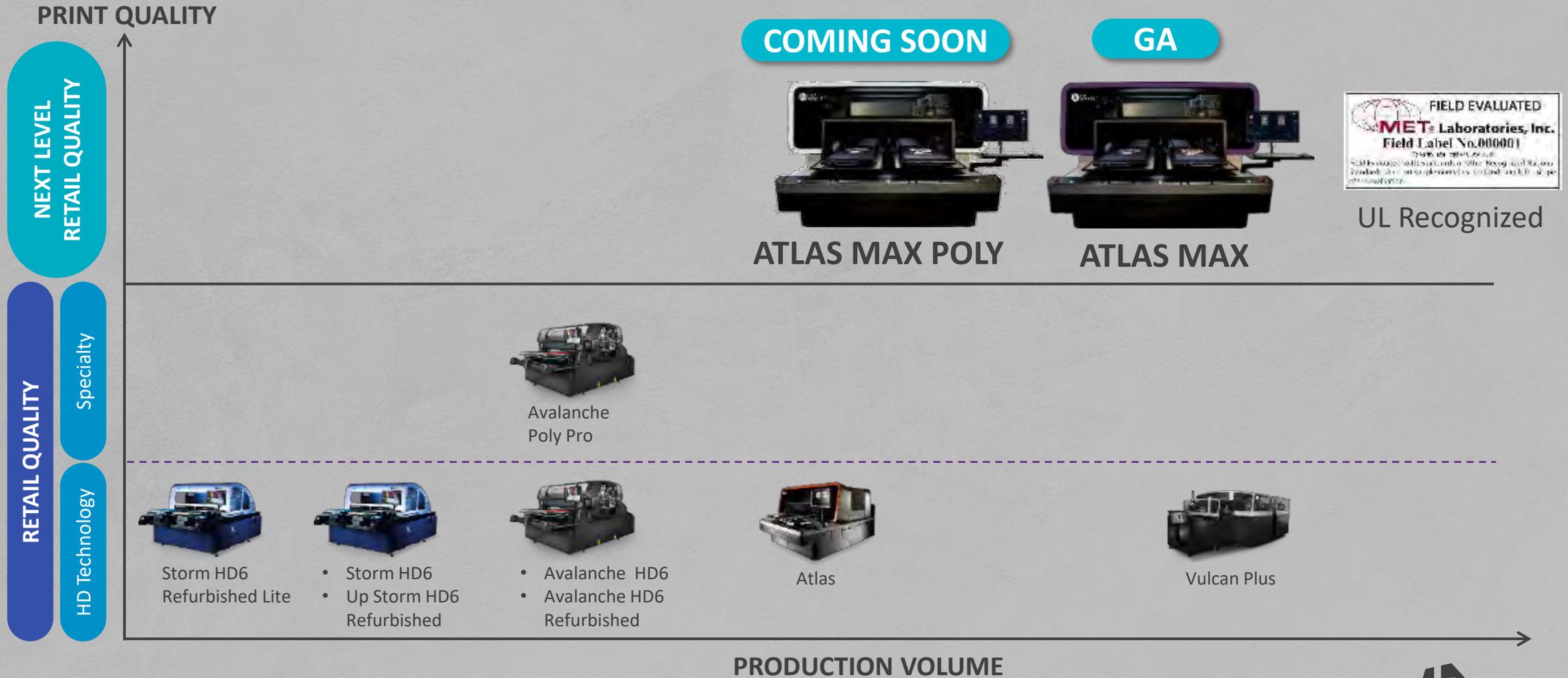
PRINT QUALITY

NEXT LEVEL RETAIL QUALITY

RETAIL QUALITY

Specialty

HD Technology

**COMING SOON**

**GA**

FIELD EVALUATED
MET Laboratories, Inc.
Field Label No.000001

UL Recognized

**ATLAS MAX POLY**

**ATLAS MAX**

Avalanche
Poly Pro

Storm HD6
Refurbished Lite

- Storm HD6
- Up Storm HD6
  Refurbished

- Avalanche  HD6
- Avalanche HD6
  Refurbished

Atlas

Vulcan Plus

**PRODUCTION VOLUME**

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# THE MAX VALUE PROPOSITION

**High-quality results**

**Cost-effectiveness**

**Robustness**

Kornit **XDi**
**Business growth**

**Sustainability**

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# THE MAX VALUE PROPOSITION

**High-quality results**

**Cost-effectiveness**

**Robustness**

Kornit
**XDi**
**Business growth**

**Sustainability**

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# THE MAX VALUE PROPOSITION

**High-quality results**

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# SET THE HIGHEST ON-DEMAND PRODUCTION STANDARDS

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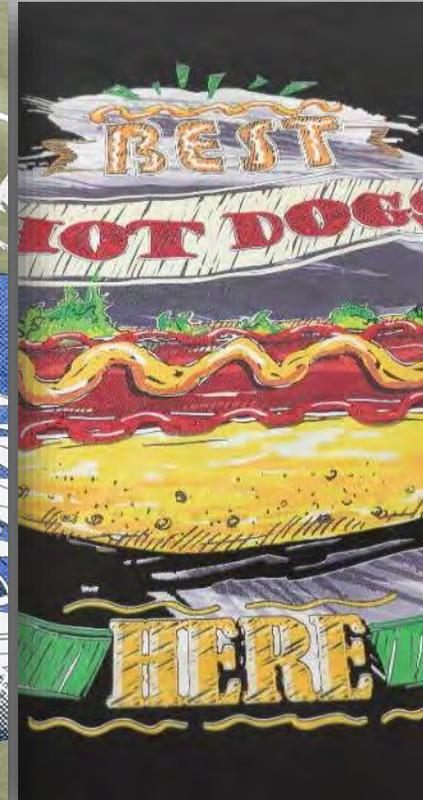
# SET THE HIGHEST ON-DEMAND PRODUCTION STANDARDS

## *Improved white underbase*

- L value* of up to 95
- Uniform, consistent underbase
- Great coverage, even on difficult fabrics

   *\* Measured on a black Promodoro T-shirt using i1Pro spectrophotometer*

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# SET THE HIGHEST ON-DEMAND PRODUCTION STANDARDS

## *Improved color gamut & intensity*

- Color gamut coverage is 16% better than Atlas
- Atlas MAX Home & Fashion Pantone matching: 82% (24% better than Atlas)



Legend

| Data Set | Legend |
|---|---|
| R 10 Atlas Dark HQ.icm | |
| R 11 Atlas MAX Premium.icm | |

Atlas

Atlas MAX

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# THE MAX VALUE PROPOSITION

**High-quality results**

**Cost-effectiveness**

**Robustness**

Kornit
**XDi**
**Business growth**

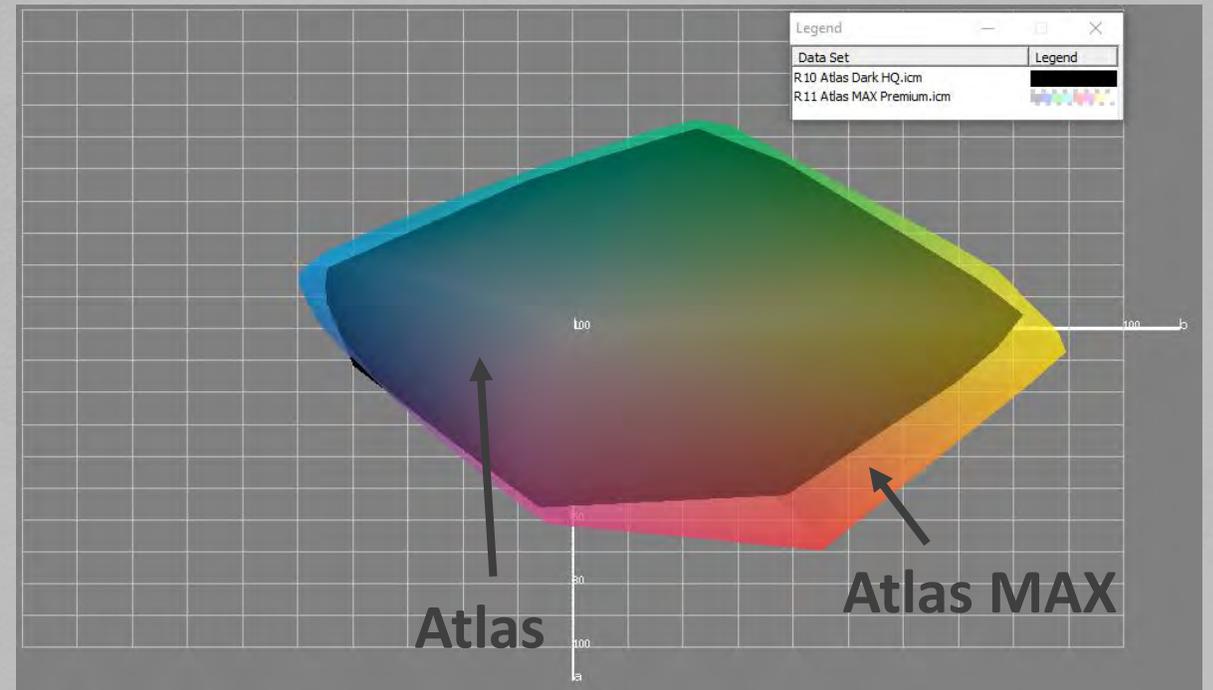**Sustainability**

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# MAXIMIZE YOUR PRODUCTION

Cost-effectiveness
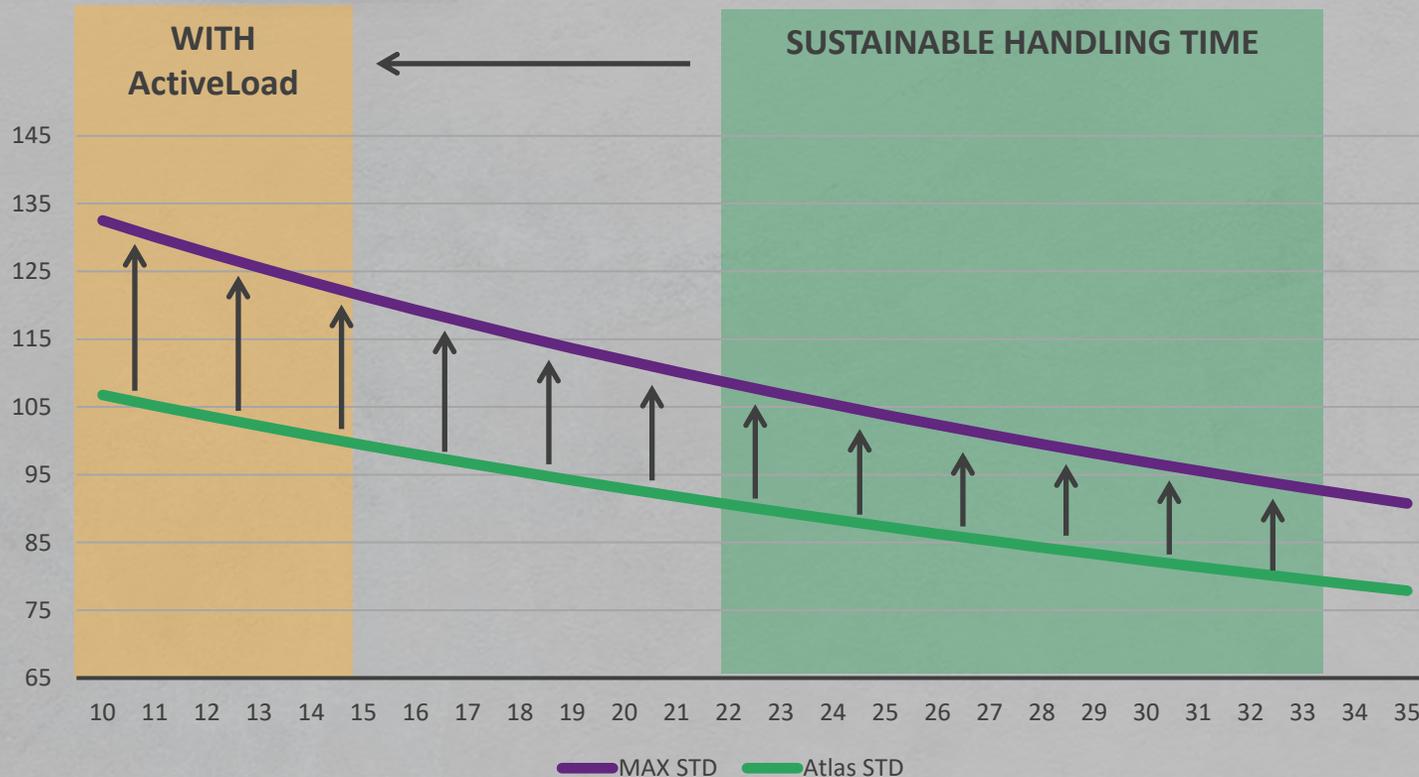
## *Throughput*

- Output varies as a function of garment handling time
- At common handling times (18s-32s), Atlas MAX provides more than 15% higher throughput compared to Atlas.
- Kornit's ActiveLoad increases throughput up to 130 shirts per hour.

WITH ActiveLoad

SUSTAINABLE HANDLING TIME

MAX STD    Atlas STD

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# THE MAX VALUE PROPOSITION



**High-quality results**

**Cost-effectiveness**

**Robustness**

Kornit **XDi**
**Business growth**

**Sustainability**

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# THE EASIEST, MOST ROBUST SOLUTION FOR HIGH-QUALITY ON-DEMAND PRODUCTION



- Excellent results on a wide variety of fabrics with minimal printing setup adjustment
- The shortest, simplest process for brand-quality impressions

- An industrial system specifically designed for high-volume production
- Field-proven Atlas platform with over 200 systems installed worldwide

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# THE MAX VALUE PROPOSITION

**High-quality results**

**Cost-effectiveness**

**Robustness**

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**XDi**
**Business growth**

**Sustainability**

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# XDI 3D PREMIUM APPLICATIONS

*XDi enables multi-layer printing to generate an eXtra dimension*

- Grow your customer base by expanding your offering with 3D premium applications.
- Produce unlimited 3D effects and textures in a single-step, waste-free digital process.
- Deliver results that can't be achieved by any other digital or traditional method.

Threadless Embroidery

High Density
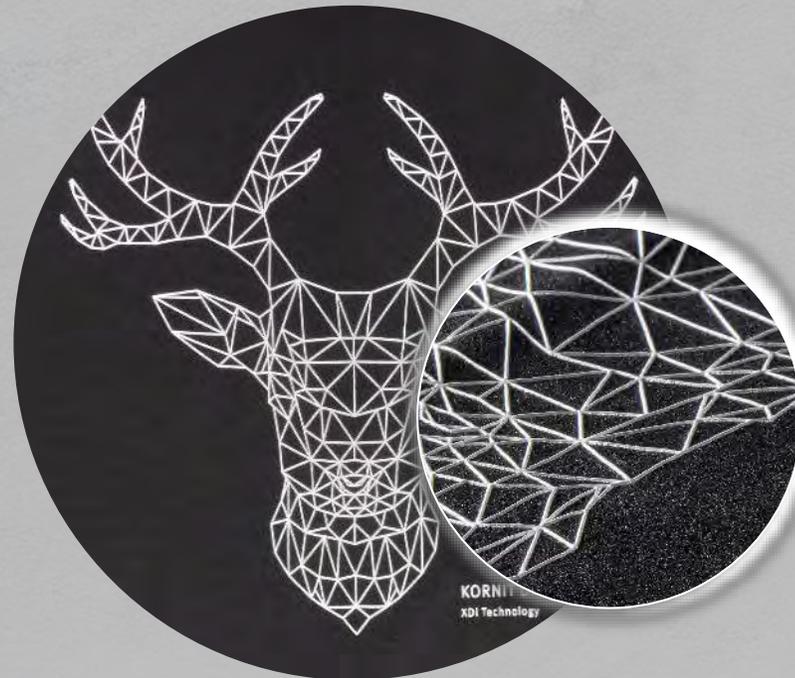
Heat Transfer | Screen & Vinyl

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# REVOLUTIONARY THREADLESS EMBROIDERY

- Threadless embroidery designs with unlimited complexity and image size
- Unlimited number of digital thread colors or stitches, allowing endless colors and gradients

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**Business growth**

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# COMPLEX 3D DESIGNS

- High-density, vinyl, screen transfer emulations and much more
- Any shape, complexity, color, small text, and accurate fine details

# DIGITALLY TRANSFORM DESIGNS TO 3D EFFECTS

Kornit **XDi** Business growth

- Use the XDi Digitizer Tool to instantly transform 2D designs into ready-to-print 3D effects and unique textures.

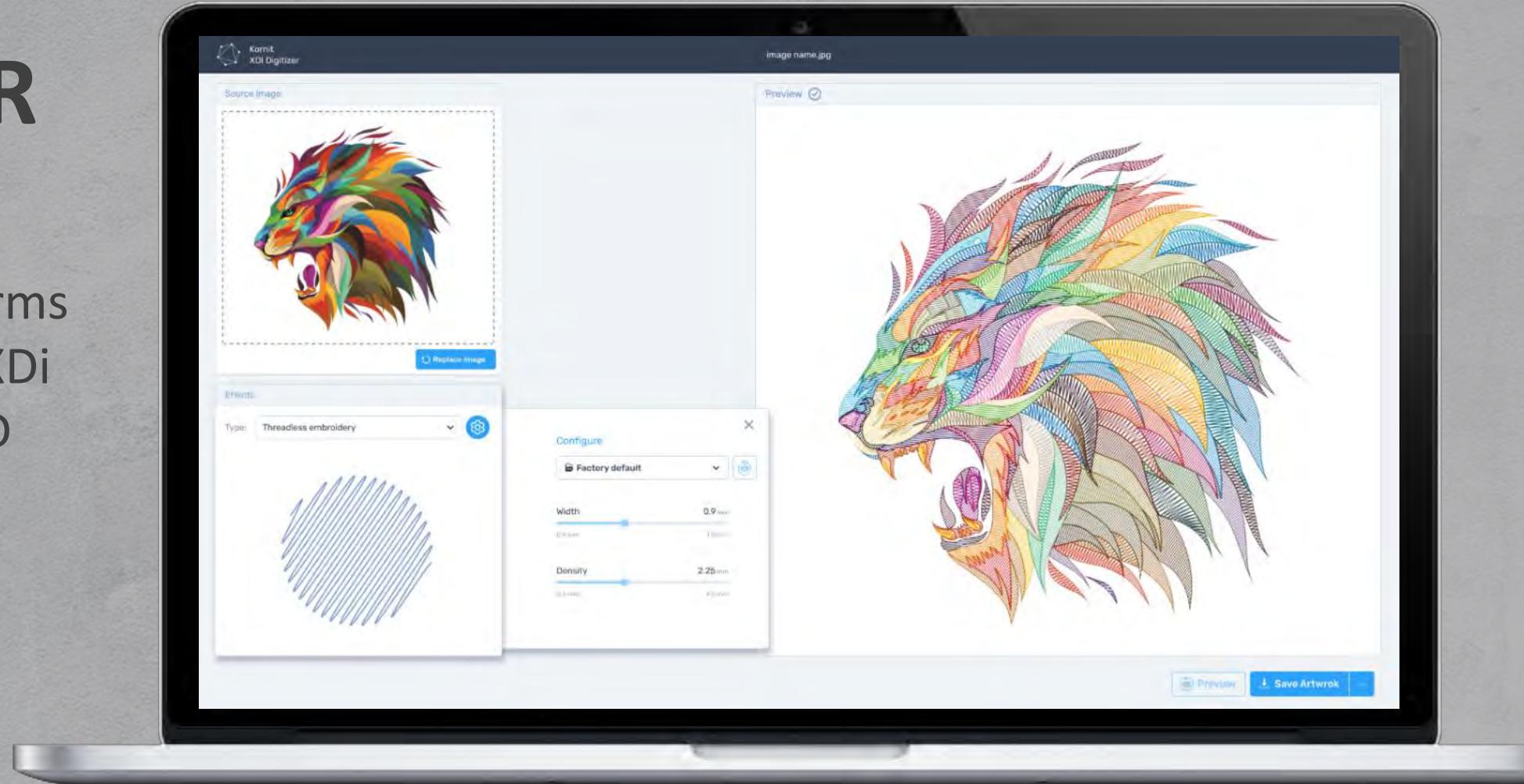**Original Design**

**"Patch" 3D Effect**

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# XDI DIGITIZER TOOL

Instantly transforms 2D designs into XDi ready-to-print 3D effects & unique textures

# THE MAX VALUE PROPOSITION

**High-quality results**

**Cost-effectiveness**

**Robustness**

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**XDi**
**Business growth**

**Sustainability**

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# MAKE FASHION **SUSTAINABLE**

- Use **a fraction** of water
- Zero inventory or waste!
- Eco-friendly consumables
- $CO_2$ neutral machines

**Sustainability**

**OEKO-TEX®**
CONFIDENCE IN TEXTILES
**ECO PASSPORT**

**Positive list of GOTS**

**ATAC**

CO₂ **NEUTRAL**

# ATLAS MAX – ADDITIONAL CAPABILITIES ENABLED

## CORE CAPABILITES

- High-quality results
- Cost-effectiveness
- Robustness
- Kornit **XDi** Business growth
- Sustainability

## ADDITIONAL CAPABILITES

**Activeload**

Kornit **XDi**

Kornit **Konnect**
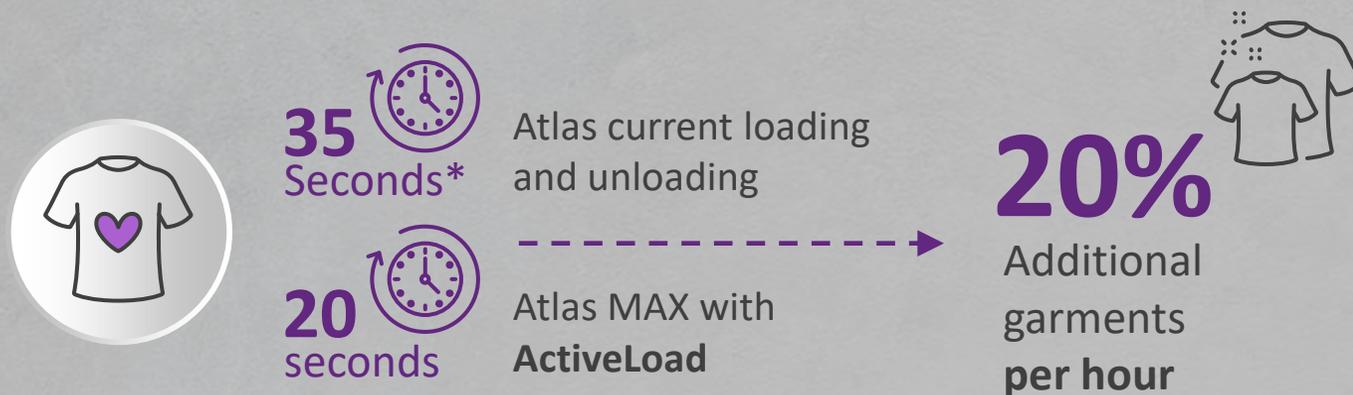
**Kornit** ×

**⊕QualiSet**

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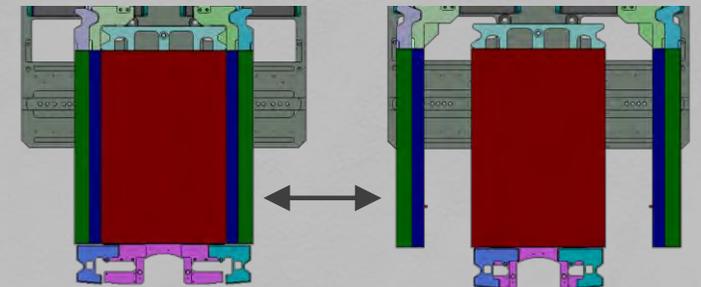
# KORNIT ACTIVELOAD

## *High-speed production around the clock*

### Automatic garment loading and pallet size adjustment

- Consistent operations and repeatable, high-quality output with minimum errors
- Simplified machine-human interactions and a smooth workflow, regardless of skill level
- High-speed production around the clock
- Seamless integration with Atlas Max (out of factory or upgrade)



**AutoFit Pallet**
Automated size adjustment
according to next garment in line

**35** Seconds*  Atlas current loading and unloading

**20** seconds  Atlas MAX with **ActiveLoad**

**20%** Additional garments **per hour**

    * Example on fulfillers' production floor

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# ⊕QualiSet

Smart Autonomous Calibration

*A smart machine vision algorithm makes sure your fleet is calibrated in key functional areas to guarantee quality and consistency.*
*By keeping calibration simple, Kornit will turn the highest goals and quality standards into obtainable and sustainable ones.*

✓ **REGISTRATION**

✓ **NOZZLE TEST AND COMPENSATION**

✓ **DROP WEIGHT**

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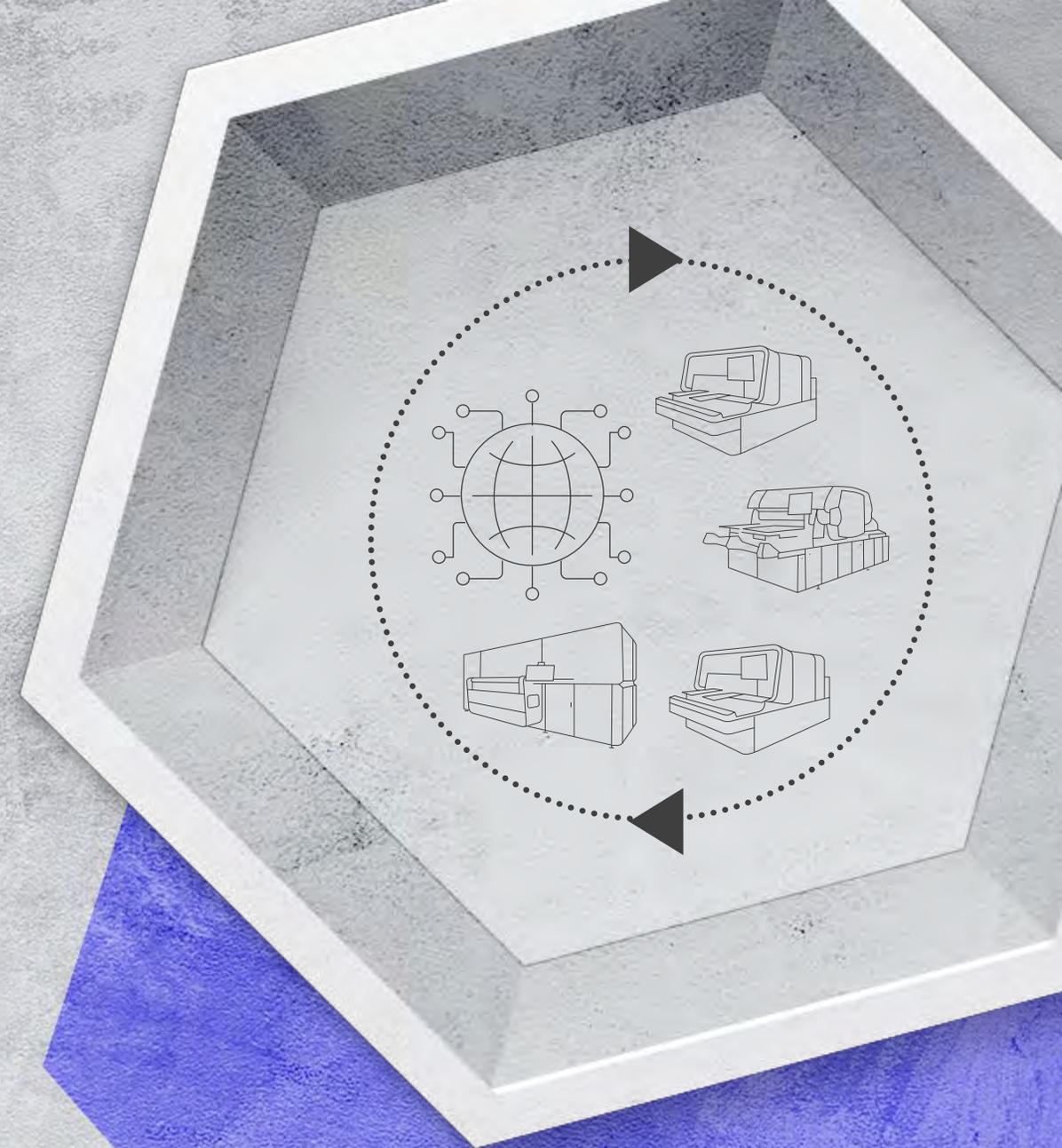
# KONNECT SUPPORTED

**Monitor, manage, and improve business results based on your Kornit operational printing data.**

Kornit Konnect is a cloud-based tool that adds a layer of data-driven insights to boost your control and production capabilities.

With Kornit Konnect, you will gain insights for better performance.

# Kornit X

## KORNIT'S WORKFLOW SOLUTION SUITE

Atlas MAX

Catalog

Floor

Sales

Production

CUSTOMER WORKFLOW
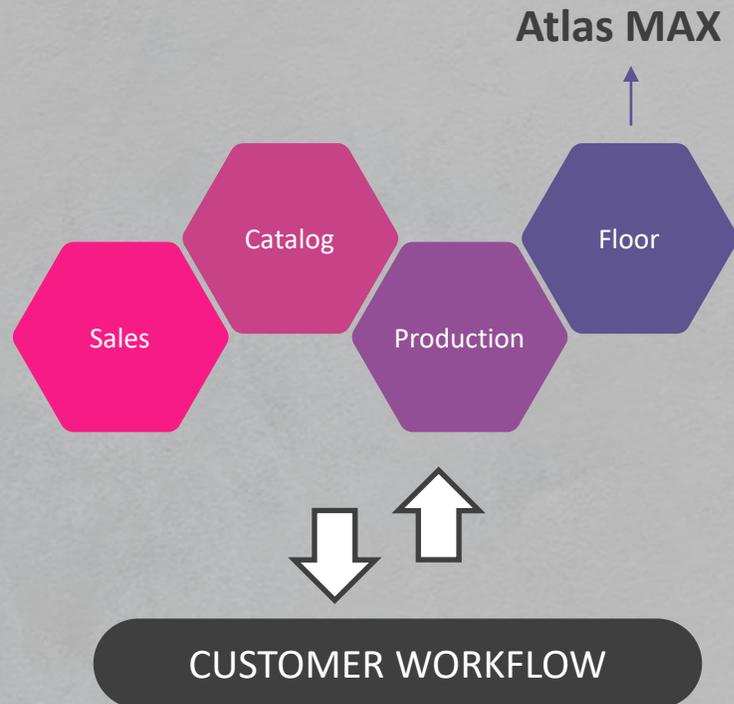
**01** Quick adoption of Atlas MAX with Kornit workflow

**02** Digitize your production process to get the most out of your investment

**03** Explore new business models

**04** Option to join Kornit's Global Fulfilment Network

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# HIGH LEVEL SPECIFICATIONS

| | Details | Comments |
|---|---|---|
| **Print Engine** | MAX Technology | |
| **Output** | 115 SPH without ActiveLoad (18 sec. handling time) <br> 130 SPH with ActiveLoad (10 sec. handling time) | Real production floor capabilities <br> Image size 13"x13" (33cmx33cm) |
| **Print Heads** | 21 Dimatix Starfire 1024 Twinflex PH's | White bridge: 6 PH for white + 3 PH for Q.fix and Intensifier <br> Color bridge: 9 PH for color (CMYKRG) + 3 PH for Q.fix |
| **Ink Set** | NeoPigment ECO RAPID ink <br> NeoPigment Eco-Fix fixation <br> NeoPigment Eco Rapid QFix <br> NeoPigment Eco Rapid Intensifier | |
| **Colors** | HEXA configuration: 7 colors CMYKRG+W | |
| **Printing Area** | Up to 60x90 cm (23.5x35in) | |
| **Drop size** | 32pL | |
| **Upgrades** | ActiveLoad semi-automatic loader <br> QualiSet smart autonomous calibration | Available Q1 2022 |
| **SW Support** | Win10, Konnect, KornitX, Colorgate RIP | |

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# SERVICE PLANS

| | | Part Number | Max. PH replacement |
|---|---|---|---|
| **Warranty** | | N/A | 4 |
| | Basic: | 25-CNTR-0577 | 0 |
| | Basic B2B: | 25-CNTR-0580 | 0 |
| **Atlas MAX Service Contract** | Advanced: | 25-CNTR-0578 | 6 |
| | Advanced B2B: 25-CNTR-0581 | | 6 |
| | Elite: | 25-CNTR-0579 | 10 |

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# AVAILABLE PALLET LIST

| Description | Part Number | Printing Area (cm) | Printing Area (Inch) |
|---|---|---|---|
| Baby | 33-PALT-0083-S | 12.5X17.5 | 4.9" X 6.9" |
| Children | 33-PALT-0100-S | 26X18 | 10.3" X 7.2" |
| | 33-PALT-0082-S | 26X32 | 10.3" X 12.7" |
| Youth & Ladies | 33-PALT-0080-S | 30X37 | 11.8" X 14.5" |
| Basic T | 33-PALT-0095-S | 40X50 | 15.7" X 20" |
| Grand | 33-PALT-0090-S | 50X64 | 20" X 25.2" |
| Super Grand L | 33-PALT-0112-S | 60X89 | 23.5" X 35" |
| Super Grand R | 33-PALT-0111-S | 60X89 | 23.5" X 35" |
| Zipper Hoodie with pocket plates | 33-PALT-0026-S | 40X50 | 15.7" X 20" |
| Tote Bags | 33-PALT-0097-S | 26X31 | 10.2" X 12.2" |
| Neck Tag  STD (Atlas) | 33-PALT-9301-S | 40X50 + Tag 6.5 X 7 | 15.7" X 20"  + Tag 2.5" x 2.7" |
| Hoodies + Tray & mesh Kit | 23-KITT-1023 | 40X50 | 15.7" X 20" |
| Hoodies extension plate kit (13.25",14.25") | 33-PALT-0094-S | 40X33 & 40X36 | 15.7" X 13.25" & 15.7" X 14.25" |
| Hoodies extension plate kit 2 (11.75") | 33-PALT-0102-S | 40X30 | 15.7" X 11.75" |
| Hoodies lower print on pocket plates | 33-PALT-0029-S | 40 X 25 | 15.7" X 10" |
| Neck Tag Y&L (Atlas) | 33-PALT-9313-S | 30X37 + Tag 6.5 X 7 | 11.8" X 14.5" + Tag 2.5" x 2.7" |
| Sleeve & Legging first install Base kit ATLAS | 33-PALT-9302-S | | |
| Legging Pallets (requires base) | 33-PALT-0088-S | 6X68 | 2.3" X 26.7" |
| Long sleeve Pallets (requires base) | 33-PALT-0089-S | 6X46 | 2.3" X 18.1" |
| Short sleeve Pallets (requires base) | 33-PALT-9308-S | 13X12 | 5.1" X 4.7" |

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# FACTORY SETUPS

*Print Setups*

| Setup Name | System Output* |
|---|:---:|
| High Productivity | 140 |
| Standard | 130 |
| High Quality | 105 |
| Premium | 90 |

- Each setup is provided for dark, colored, and light garments.
- The table represents value for dark garment setups. Numbers may vary slightly on colored and light garments.

*\* Dark garment, 33cm x 33cm (13''x13'') image, 10 sec handling time*

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# FACTORY SETUPS

*XDi Setups*

| Setup Name | 3D Effect |
|---|---|
| XDi Embroidery | Embroidery Emulation |
| XDi High Density | High Density |
| XDi Extra High Density | Extra Height High-Density |

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TNX

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