SCREEN

Truepress *Jet*
W3200UVII Series

Wide-format UV Inkjet Printing System

Featuring an upgraded maximum speed of 230 m²/hr!

EQUIOS
ART & UX

Industry-leading print speeds enable continuous production of a wide range of high-volume jobs!

Changing consumer needs and faster delivery of information are expected to drive a major increase in POP, sign and display work. What kind of press can provide the rapid turnaround, reliability and top quality demanded by customers?

With its cutting-edge technology developed by Inca digital, SCREEN's Truepress Jet W3200UVII wide-format press delivers industry-leading speeds for UV inkjet printing. This new system features a continuous printing function that maintains consistently high quality while enabling rapid throughput of even large jobs.

The Truepress Jet W3200UVII enables continuous output of a wide variety of high-volume jobs to meet the tightest deadlines. This is the next step in answering client needs.

HIGH SPEED

High-speed printing of 230 m²/hr at Billboard quality (HS model with Roll2Roll unit)

If printing is simply "fast" but the quality is unsatisfactory, POP advertisements are virtually meaningless. The Truepress Jet W3200UVll HS delivers a class-leading speed of 230 square meters (2,476 square feet) per hour at billboard quality. Short-turnaround work or jobs with multiple requirements can now be handled with speed.


Tarpaulins (Billboard mode: 230 m²/hr)

Large real estate signs (Production smooth mode with SI inks: 99 m²/hr)

A standard model offering a top printing speed of 85 square meters (914.9 square feet) per hour is also available. If job volumes increase, this system can be upgraded on site to Truepress Jet W3200UVll HS specifications. With its choice of two models, the Truepress Jet W3200UVll series accommodates any workflow.

Truepress Jet W3200 UVⅡ
Max. 85 m²/hr

Upgradable !

Truepress Jet W3200 UVⅡ HS
Max. 230 m²/hr
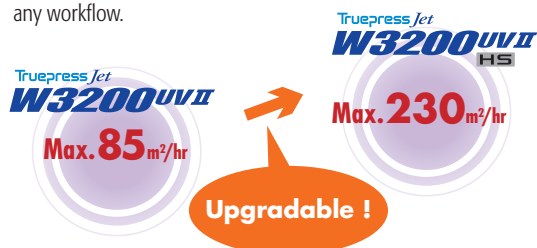
Posters, panels (Quality mode: 68 m²/hr)

CONTINUOUS PRINTING

Printing of high-volume jobs at consistent quality

Have you ever had problems with banding when printing high-volume jobs? On standard presses, this requires time-consuming manual cleaning and a larger number of passes, both of which lower throughput and increase ink consumption. With the Truepress Jet W3200UVII's continuous printing function, output quality stays at the same high level even after a high-volume run.

The log histories of standard functions such as auto-cleaning and nozzle mapping can also be saved to the maintenance scheduler, allowing successive operators to effectively take over their control. This seamless management of operating shifts further raises productivity.

Continuous printing function   Continuous printing enables seamless process management

Auto-cleaning (option)

The full auto-cleaning mechanism improves on standard functions by providing purging, flushing and vacuuming capabilities. This ensures the printhead modules are always kept in optimal condition. It also greatly reduces the time lost when performing difficult, labor intensive manual cleaning procedures for printheads. It is also able to skip cleaning procedures, which saves ink.

Nozzle mapping*

Without mapping	With mapping
Maintenance time	Maintenance time
Productivity	Productivity

With the installation of the nozzle mapping function, in the unlikely event a print nozzle becomes clogged, another nozzle will take over its operation, even with the fastest Billboard mode. This ensures continuous operation with no loss of either productivity or image quality.
* Not all processing can be recovered with this function.

Large volume print job
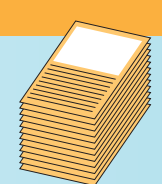
Maintenance scheduler

Maintenance logs for the printing system can be viewed on the touch panel monitor by day, week or month. The maintenance logs can also be shared between different operators. This facilitates the planning of upcoming maintenance and contributes to the design of process schedules that ensure maximum operability.

Transfer to next operator

True FLAT-BED


Moving table concept with lay pins

A true flatbed offers many advantages over a belt system. SCREEN's industry-exclusive table mapping and print to shim technologies give the Truepress Jet W3200UVll the flattest bed on the market. This ensures text and lines are always sharp regardless of where on the bed they are printed.

Vacuum power can be managed easily by selecting the right strength from one of the four level settings according to the size and type of the media. Warped media are held flat on the bed while thin foils can also be printed with a reduced vacuum setting to prevent deformation. The table is divided into six zones, and each can be turned on or off easily on the touch screen interface to reduce masking and facilitate job changeover.

Foot pedal operated popup pins enable quick loading and unloading of sheets without sacrificing register accuracy while substrate positioning is also smooth and fast. With pins on three sides of the bed, the same corner of the media can be used as a reference, enabling precise registration for double-sided printing.

Area vacuum system
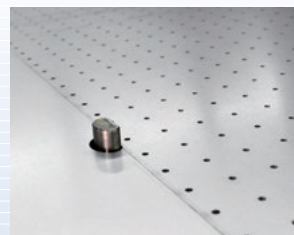
Pin system

PRINT QUALITY

High-quality printing at a resolution of 1,000 dpi (apparent)

The Truepress Jet W3200UVll series uses high-precision linear drive motors to deliver instantaneous power to the printhead unit and print table. The ability to adjust the transfer speed of the heads allows the accuracy of drop placement for the ink to be optimized, enabling sharp printing of even very small characters.

The adoption of piezo on demand printheads also achieves high-quality printing at an apparent resolution of 1,000 dpi. While the standard model is optimized for production of POP displays, the HS model is able to deliver photographic quality finishing thanks to its Fine Photo Quality mode.


Standard quality

Photographic quality

Super Fine Photo mode

Super Fine Photo is a new 22 pass, uni-directional mode* that delivers ultra-high-quality printing. This mode provides a new level of finishing for materials with a short viewing distance. It is particularly suitable for creating the high-definition promotional tools required by the cosmetics industry or any job with small text.

* Throughput of approximately 15 square meters (161.4 square feet) per hour
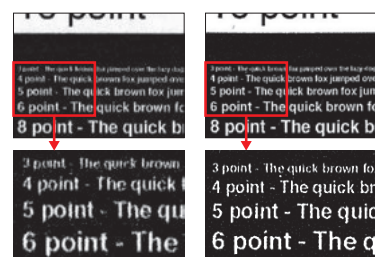
Current Fine Photo mode

Super Fine Photo mode

Printing of up to 3 pt characters

Matte and silk mode

UV curing has the unique ability to create a matte finish when performed quickly and gloss finish when performed slowly. The Truepress Jet W3200UVll series takes advantage of this feature by using its proprietary UV lamp shutter to precisely control the exposure timing of the UV lamp. This enables the creation of matte or silk finish textures whenever required.

Matte finish

Silk finish

True ROLL-FED

Industrial Roll2Roll system

An industrial quality 3.2 meter Roll2Roll system can be added to the Truepress Jet W3200UVll to increase its flexibility and functionality. The system integrates seamlessly with the flatbed configuration to create one of the industry's most versatile wide-format printers.

It is now possible to print commercial quality on roll media with the same productivity as in flatbed mode.

Intelligent step and repeat functionality and a clever queue control management system enable jobs to be set up quickly and easily for automatic sequential printing in various modes. The queueing function collects RIP'ed jobs so they can printed as a batch. Precise torque and tension controls also accommodate perfect media transport and ensure that reels can be printed unattended, freeing the operator for other tasks.

Switching the Truepress Jet W3200UVll from a fast flatbed to a fast roll-fed printer can be done in the time it takes to walk around the system. Once the table is locked, the printer is converted to operate as a roll-fed device.

Step and repeat function

Truepress ink

Flexible Truepress inks that stand up to bending and folding

The Truepress Jet W3200UVll series uses brilliantly colored, flexible proprietary UV inks. Unlike standard UV printing inks, these inks do not crack when the printed media is bent. This means the Truepress Jet W3200UVll series can be used to print on tarpaulins, wrappers and other media that will be bent or stretched after being printed.

Support for a wide variety of media with white ink

White ink (optional) enables a variety of applications, including printing onto colored media and transparent media. It is especially effective when used for printing onto decorative signs in windows and metal plates, and ensures superior color saturation during color printing onto any type of media. On-site upgrades are also possible after installing a Truepress Jet W3200UVll system to take advantage of new business opportunities.

WJ inks

WJ inks are able to maintain a wide color gamut and excellent coloring without sacrificing Truepress inks' well-known flexibility. These inks deliver the high-grade, photo-quality output required for the wide format graphic market.

JAPAN Color

WJ ink
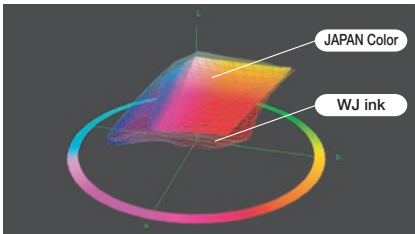
SI inks

Newly developed SI inks provide better adhesion than ever before. These inks enable printing on diverse substrates ranging from acrylic, polycarbonate and corrugated plastic to aluminum composite panels and boards with metal coatings.

Truepress Jet W3200UVII
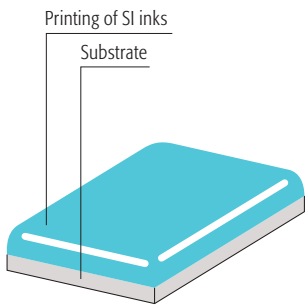
Competitor presses equipped with primer function

Printing of SI inks

Substrate

Printing of inks

Printing of primer
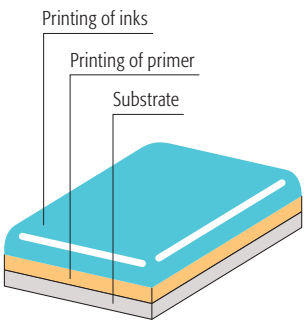
Substrate

Inks securely adhere to substrates with just a single coating, significantly improving productivity and minimizing primer costs.

Comparison of Truepress ink features

	Flexibility	Gamut	Adhesion
WJ	Good	Excellent	Good
SI	Good	Good	Excellent

Cutting-edge Inca technologies

Powered by
incadigital.com

Inca digital has become known as one of the industry's top brands, particularly for its ultra-high-end, large-size UV presses. The company has been a valued member of the SCREEN Group since 2005.

The Truepress Jet W3200UVII combines the unrivaled image printing technologies developed by SCREEN over its long history with the advanced ink jet technologies created by Inca. This is a truly cutting-edge wide-format UV inkjet press.
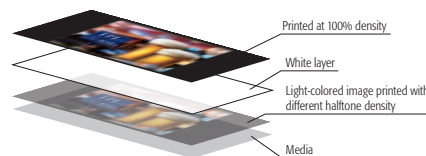
MULTI-LAYER

Adoption of a multi-layer function as a standard feature

A multi-layer function providing precise overprinting of up to eight layers is now installed as a standard feature. The new function allows each layer to be set individually with the most suitable print mode (flatbed model only). This improves productivity and enables each job to be output at optimum quality. Thanks to their high-definition flatbed mechanisms and outstanding productivity, Truepress Jet W3200UVll systems make it possible to take on previously unrealistic large-size multi-layer jobs as regular work.

Backlit day-night display

The Truepress Jet W3200UVll series is capable of creating a day-night display that uses ordinary ambient light for day time display and integrated backlighting for night time display. While the top and bottom layers have the same design, the bottom layer is printed with a different halftone density, making it possible to reproduce the same density during the day time as at night time (three layers).

Printed at 100% density
White layer
Light-colored image printed with different halftone density
Media

Day time

Night time

Exterior view

Double-sided window films

Window films with different designs printed on the top and bottom layers: Both sides appear as normal images, allowing layouts with different text or designs (five layers).

Image layer
White layer
Black layer
White layer
Image layer (inverted)
Media

Interior view
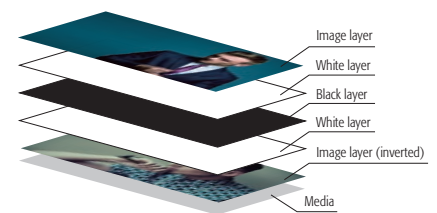
LENTICULAR

High-speed printing of large-scale lenticular output

Lenticular printing can be used to produce various high-impact 2D and 3D effects that create the feeling objects are literally jumping out of printed media or patterns are changing and moving. With their high-definition flatbeds and outstanding speed, Truepress Jet W3200UVll systems make it practical to take on previously time-consuming and unrealistic large-size lenticular jobs as regular work.
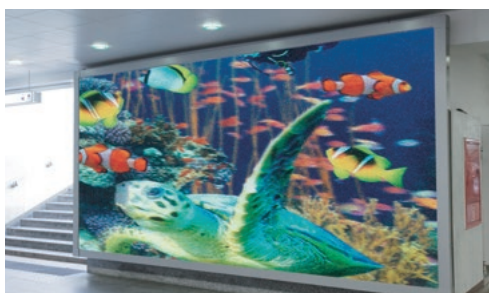
Multi-layered printing

Thanks to its advanced UV curing and high-precision flat printhead transfer systems, the Truepress Jet W3200UVll series is able to print up to eight superimposed layers. The lower layers can be rapidly built up in high-speed mode, with the top layer printed in high-quality mode to create an attention-grabbing raised finish. This function makes it possible to quickly output materials with embossing and other "three-dimensional" effects.

Full after-sales service network ensures more reliable system operation, helping to build a stronger production base and greater peace of mind for customers

Real-time maintenance minimizes downtime
TRUST Network Service

On-demand printing requires an ability to handle jobs with extremely short turnarounds. If equipment is vulnerable to unexpected problems, these deadlines become difficult to meet and more importantly, a company's reputation can be badly damaged, with both sales and client confidence suffering.

TRUST Network Service is a proprietary support program provided by SCREEN to address these very real concerns. This program offers a full menu of services including predictive diagnosis based on monitoring of normal equipment conditions, as well as regular analytical and maintenance reports. If trouble does occur, it is also able to precisely identify the area of malfunction.

In essence, TRUST Network Service is designed to minimize downtime and help build a stable base for effective production.

TRUST Assist
Remote maintenance
Analysis of problems, recovery

SCREEN
support staff

TRUST Dialog
User maintenance support
Periodic analysis reports

W3200UVII

Customers

TRUST Guard
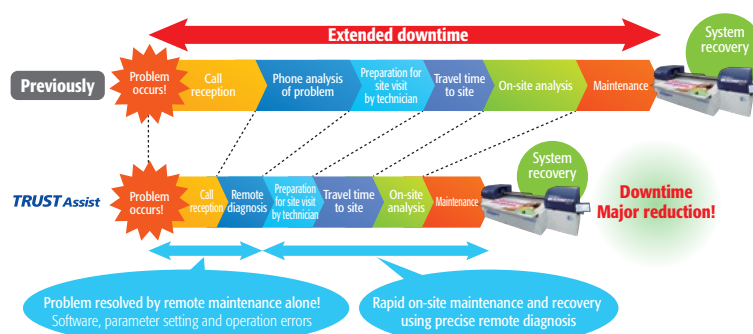Monitoring of system status, diagnosis

Precise identification of errors minimizes downtime
TRUST Assist

TRUST Assist is a remote service used to perform protective maintenance and if necessary, recovery of a system. If there is a problem, the SCREEN Group's specialized personnel perform a highly detailed and precise analysis of the equipment status using the error logs, allowing them to quickly classify the malfunction.

Problems with equipment software, parameter settings and operations can usually be effectively resolved simply through remote maintenance. Even when hardware malfunctions occur, SCREEN technicians can gain an accurate understanding of the equipment status using remote diagnosis, enabling them to make appropriate preparations before visiting the site.
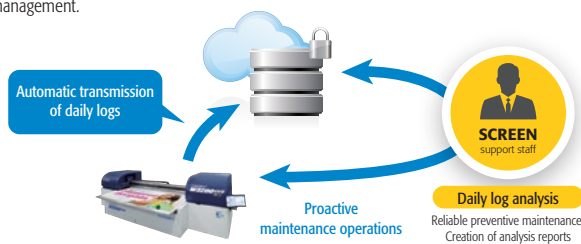
This advance knowledge helps them to quickly and reliably perform repair work and thereby reduce downtime to an absolute minimum.

Extended downtime

Previously | Problem occurs! | Call reception | Phone analysis of problem | Preparation for site visit by technician | Travel time to site | On-site analysis | Maintenance | System recovery

TRUST Assist | Problem occurs! | Call reception | Remote diagnosis | Preparation for site visit by technician | Travel time to site | On-site analysis | Maintenance | System recovery

Downtime
Major reduction!

Problem resolved by remote maintenance alone!
Software, parameter setting and operation errors

Rapid on-site maintenance and recovery using precise remote diagnosis

## Predictive diagnosis helps to identify potential problems
TRUST Guard

TRUST Guard is a service that allows SCREEN's specialized personnel to precisely understand the current condition of a system using log information and based on this, to reliably diagnose any potential problems. It also enables them to identify the optimal replacement timings for periodic maintenance parts and to create analytical reports that can be used for production and cost management.

Automatic transmission of daily logs

SCREEN
support staff

Daily log analysis
Reliable preventive maintenance
Creation of analysis reports

Proactive maintenance operations

Customers are updated with the latest maintenance information
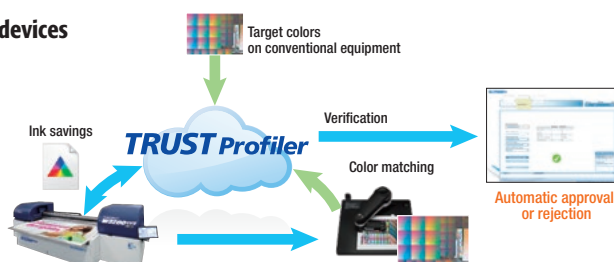# TRUST Dialog

TRUST Dialog is a cloud-based service that provides individual clients with their own "page". Along with service manuals and videos introducing topics such as maintenance procedures, this is where clients can receive reports analyzing the operational efficiency of their systems and the latest maintenance data.
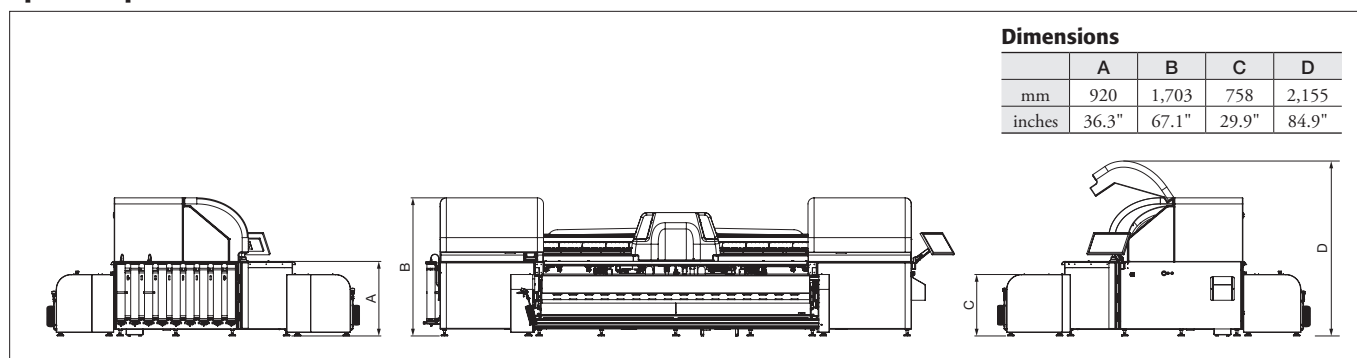
Client page

TRUST Guard analysis reports

SCREEN
support staff

Service manuals

Maintenance procedure videos

Customers
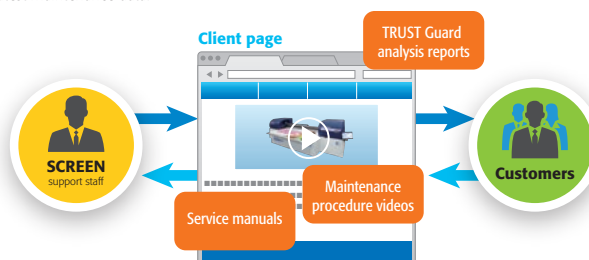
Cloud-based management enables precise color control between devices
TRUST Profiler

TRUST Profiler is a cloud-based service that enables high-precision color adjustment between different devices using feedback loops. It also provides significant reductions in ink consumption as well as simplified management of log histories and confirmation of print results using control strips.

Target colors on conventional equipment

Ink savings

TRUST Profiler

Verification

Color matching

Automatic approval or rejection

Space requirements

Dimensions

	A	B	C	D
mm	920	1,703	758	2,155
inches	36.3"	67.1"	29.9"	84.9"

Truepress Jet W3200UVII series specifications
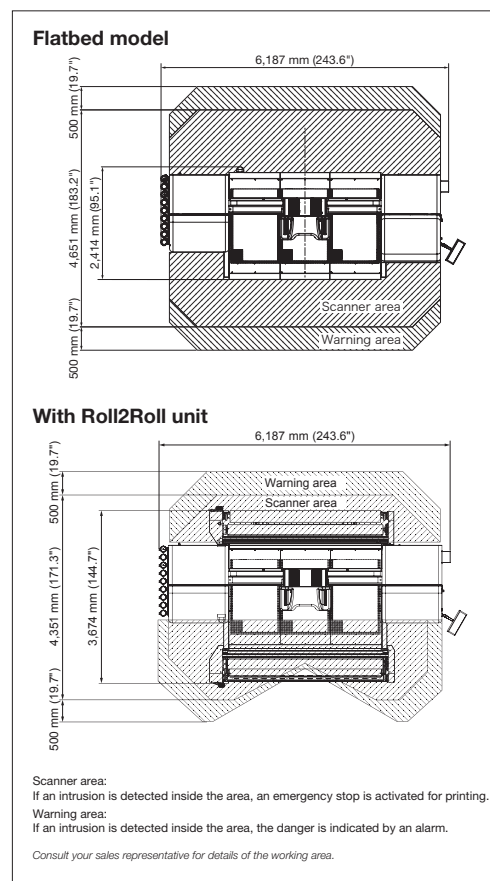
Type	UV-cured flatbed inkjet printing system
Media size	Maximum width: 3,200 mm (125.9")
Output size	Maximum width: 3,200 mm (125.9"), Maximum length: 1,600 mm (62.9")
Media thickness	Maximum 50 mm (1.9")
Head	Piezo on-demand printhead
Productivity	Truepress Jet W3200UVII HS: Max. 184 m²/hr Truepress Jet W3200UVII: Max. 85 m²/hr
Print modes	Truepress Jet W3200UVll HS: 8 modes Truepress Jet W3200UVll: 4 modes
Resolution	1,000 dpi (apparent)
Inks	Truepress inks Standard: CMYK, Option: Lc/Lm, white
Dimensions (W x D x H)	6,200 x 2,400 x 1,700 mm (244.1" x 94.5" x 67")
Weight	3,500 kg (7,700 lb)
Power requirements	Three phase 380 to 480 V, 50/60 Hz, 30 A Single phase 180 to 250 V, 50/60 Hz, 30 A
Compressed air	7 bar, 0.35 m³/min, ISO8573.1: Class 1.4.1
Operating environment	Temperature: 20 to 30°C (68 to 86°F) Humidity: 45 to 80% RH
RIP	Caldera (option), ColorGATE (option), Wasatch SoftRIP (option)
Options	Lc/Lm ink, white ink, RIP software, auto-cleaning function (standard for HS model)
Safety standards	CE marking, compliant with EMC and UL
Other	Roll2Roll interface

Roll2Roll unit

Material	Vinyl, PVC, banners and various roll media
Roll width	Max. 3,200 mm (125.9"), Min. 750 mm (29.6")
Image length	Max. 10 m (32'8")
Extended print queue	Max. 50 m (164'0") * Head cleaning required between images
Roll thickness	0.1 to 0.5 mm (4 to 19.6 mil)
Roll diameter	Max. 250 mm (9.8")
Core diameter	3"
Roll weight	Max. 150 kg (330 lb)
Roll registration	Scale on unwind / rewind shafts
Productivity	Max. 230 m²/hr

We reserve the right to alter specifications without prior notice.

Installation location

Flatbed model

With Roll2Roll unit

Scanner area:
If an intrusion is detected inside the area, an emergency stop is activated for printing.
Warning area:
If an intrusion is detected inside the area, the danger is indicated by an alarm.

Consult your sales representative for details of the working area.

VEGETABLE OIL INK

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• This brochure was made using SPEKTA 2 screening.
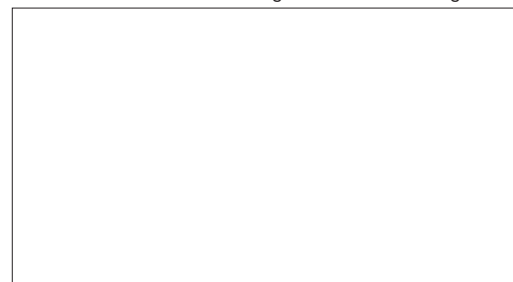
We reserve the right to alter product design and specifications without prior notice.