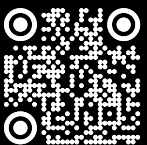




American Innovation. Worldwide Precision.



For more information,
please visit

vanguarddigital.com



Jim Peterson, Founder and COO, with his buddy, Luke

In 2015, Dave Cich, Jim Case and Jim Peterson set out to bring something new to the print industry; something they felt their customers needed. Through true vision, hard work, and a tremendous support system, Vanguard Digital Printing Systems was created. The name was born from the definition of Vanguard, which perfectly describes the essence of the company:

All of our product development and innovations have been proudly driven from the United States, and recently moved to Franklin, Tennessee where one of our founders, Jim Peterson, calls home.

Our 10 core beliefs guide us through our business, and ensure we bring the best to the table for our customers.

- We build our organization with great people
- We exist to Serve
- We seek humility
- We Listen
- We believe the best about our teammates
- We blow away expectations
- We can always make it better
- Fun is our secret weapon
- We embrace new technology and new ideas
- We do what is right

VAN•GUARD / van•guärd / noun:

- a group of people leading the way in new development and ideas
- a position in the forefront of new development or ideas
- the forefront of action or movement

This definition was the foundation Vanguard Digital grew on, and the compass that has continued to guide the way.

We have been able to thrive by being small and nimble, quickly adapting and reacting to the needs of an industry. We started from the ground up in Lawrenceville, Georgia with a small but dedicated team and have grown from there. In this time, we have been able to design a new fresh look, including all customer requested features to continue to improve our technology, and continue to use high-quality components that are built to last. The result, a printer and a group of people that deliver on performance and create a sense of belonging and pride of ownership that is like no other in our industry.

Knowing your customers and what brands and clients need has allowed our team at Vanguard to deliver printing solutions that evolve alongside our Print Service Provider partners. Becoming part of the Vanguard Digital Printing Systems Family is not just a one-time purchase. We want to grow with you as your business grows. From entry level to blazingly fast solutions, our relationship will last for many successful years. We are proud of where we have been, and are excited for all that is left to come.



The Vanguard Experience Center in Franklin, TN

VK3220T-HS

ULTRA-PRODUCTIVE FLATBED UV-LED PRINTER



GREENGUARD
CERTIFIED INK



The VK3220T-HS redefines the meaning of productivity on a 3.2 x 2 meter (126" x 80") UV-LED flatbed. With up to three rows of printheads, print speeds can reach over 3,800 square feet per hour. Utilizing 4 picoliter drop size Kyocera heads and a high-speed magnetic drive, there's no compromise on speed to achieve remarkable quality. With the ability to print up to 10cm thick, the only limitation is your imagination.

VK3220T-HS

Print Head	Kyocera
Qty. of Heads	Up to 15
Max Print Thickness	Up to 4"
Ink Configuration	CMYK + W + V
Max Print	126" x 80.7"
Dimension	18.5' x 10.8' x 5.1'
Electrical Requirements	1 x 220V Single-phase 40A 1 x 220V Single-phase 30A 1 x 120V Single-phase 20A
Air Requirement	80-100 PSI

SINGLE ROW PRINT SPEEDS

Draft	Up to 2,637 sq ft/h
Express	Up to 1,130 sq ft/h
Production	Up to 570 sq ft/h
High Quality	Up to 215 sq ft/h

DUAL ROW PRINT SPEEDS

Draft	Up to 3,412 sq ft/h
Express	Up to 2,422 sq ft/h
Production	Up to 1,055 sq ft/h
High Quality	Up to 388 sq ft/h

TRIPLE ROW PRINT SPEEDS

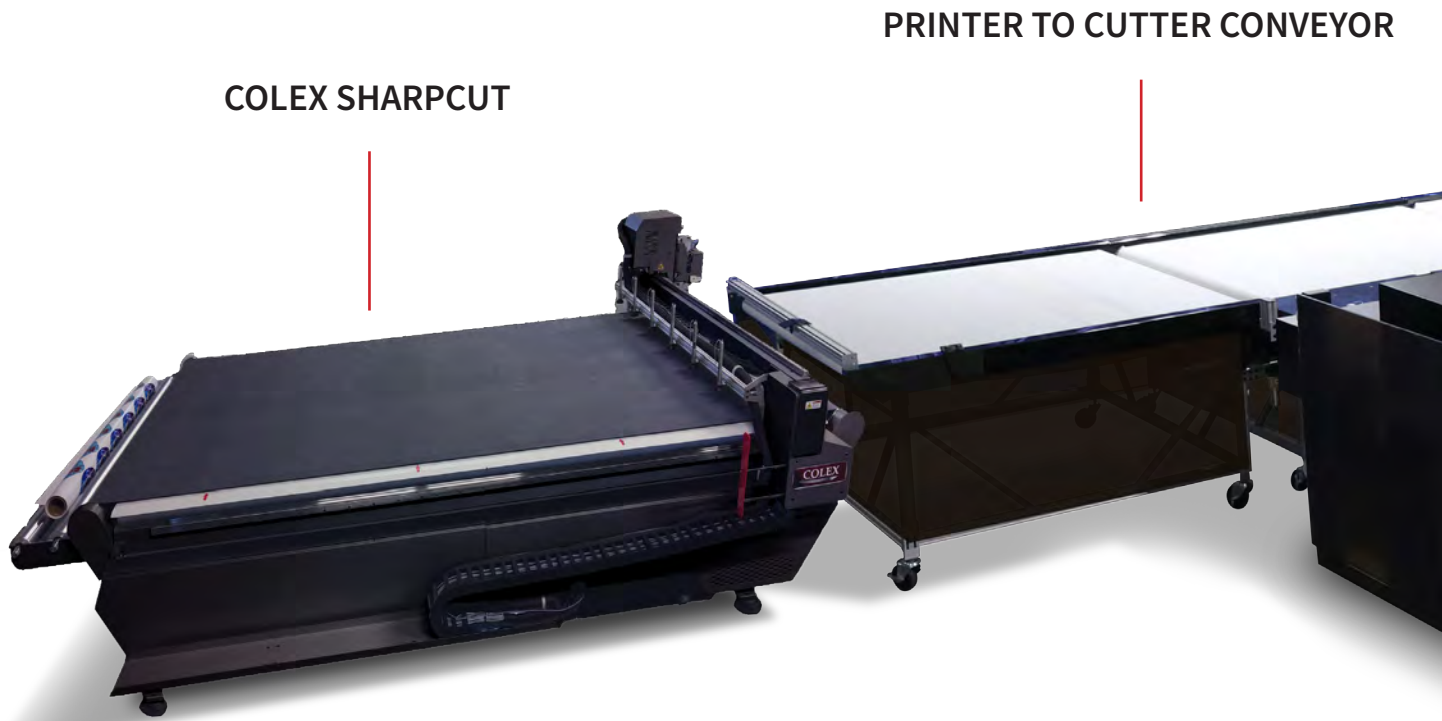
Draft	Up to 3,875 sq ft/h
Express	Up to 2,949 sq ft/h
Production	Up to 1,744 sq ft/h
High Quality	Up to 559 sq ft/h

HARPETH

ULTRA-HIGH PRODUCTION PRINT-TO-CUT WORKFLOW SOLUTION FLATBED UV-LED PRINTER & COLEX SHARPCUT CUTTER

THE DYNAMIC AND FLEXIBLE PRINT-TO-CUT SOLUTION.

One way to maximize a printer's throughput potential is to automate media handling. Vanguard Digital and Colex have collaborated to provide a fully automated print-to-cut workflow to simplify rigid print production for the Sign & Display and Packaging market to reduce turnaround time for clients and brands.



The Colex Sharpcut is an easy-to-use cutting solution with an intuitive software platform at its core. Though competitively positioned, it is not to be underestimated for its versatility, throughput, and its ability to help you unlock the full potential of the VK3220T-HS flatbed printer. This can open the doors to new opportunities, reduce costs, and help increase production while tapping into new revenue streams.

The Colex Sharpcut Finishing System features an automated and easy-to-use workflow solution for nesting and optimizing media. And to make the cutter even more productive, the Sharpcut Conveyor efficiently speeds up the removal of finished jobs from the cutting table.

The Harpeth automated print-to-cut system is comprised of the VK3220T-HS UV-LED flatbed printer from Vanguard, and the in-line transport system partnered with the Vanguard edition of the Sharpcut digital cutter from Colex. With the ability to automate the workflow between print and cutting, Print Service Providers can reduce cost and reduce media handling times for greater productivity. In today's competitive landscape, efficiency is the key to success in any print business, as well as with clients and brands.

VK3220T-HS UV-LED FLATBED PRINTER



With a larger bed size and up to three rows of printheads, the VK3220T-HS UV-LED flatbed from Vanguard redefines production potential for Print Service Providers. Throughput potential is maximized when handling time is nearly eliminated with the Harpeth solution.

VK300D-HS

FLATBED UV-LED PRINTER



GREENGUARD
CERTIFIED INK



The VK300D-HS printer is a part of our 6-time award winning VK300D Series. It is a fully featured printer that has revolutionized the industry with a high-speed electromagnetic drive system that propels the carriage at speeds up to 1.8 m per second for an incredible speed up to 60 boards per hour. These impressive advancements ensure your business will outperform any competitor.

This printer comes equipped with industrial Kyocera KJ4A print heads that deliver print dots as small as 4 picoliter drop size ensuring tight dot placement for vivid output on virtually any substrate up to 4" thick.

Other features include auto height detection, one-touch pin registration, front-to-back and back-to-front printing, liquid cooled LED curing technology, static suppression bars, and reversible vacuum zones. Engineered to grow with your business, the VK300D-HS is available with up to 10 print heads, and can be expanded in the field.

VK300D-HS

Print Head	Kyocera
Qty. of Heads	Up to 10
Max Print Thickness	Up to 4"
Ink Configuration	CMYK + W + V
Max Print	61.3" x 125.5"
Dimension	18' 7" x 8' 9" x 5'
Electrical Requirement	2 x 220V 30 A Single-phase 1 x 120V 20 A Single-phase
Air Requirement	80-100 PSI

SINGLE ROW PRINT SPEEDS

Express	Up to 2,047 sq ft/h
Production	Up to 1,500 sq ft/h
Quality	Up to 600 sq ft/h
High Quality	Up to 400 sq ft/h

DUAL ROW PRINT SPEEDS

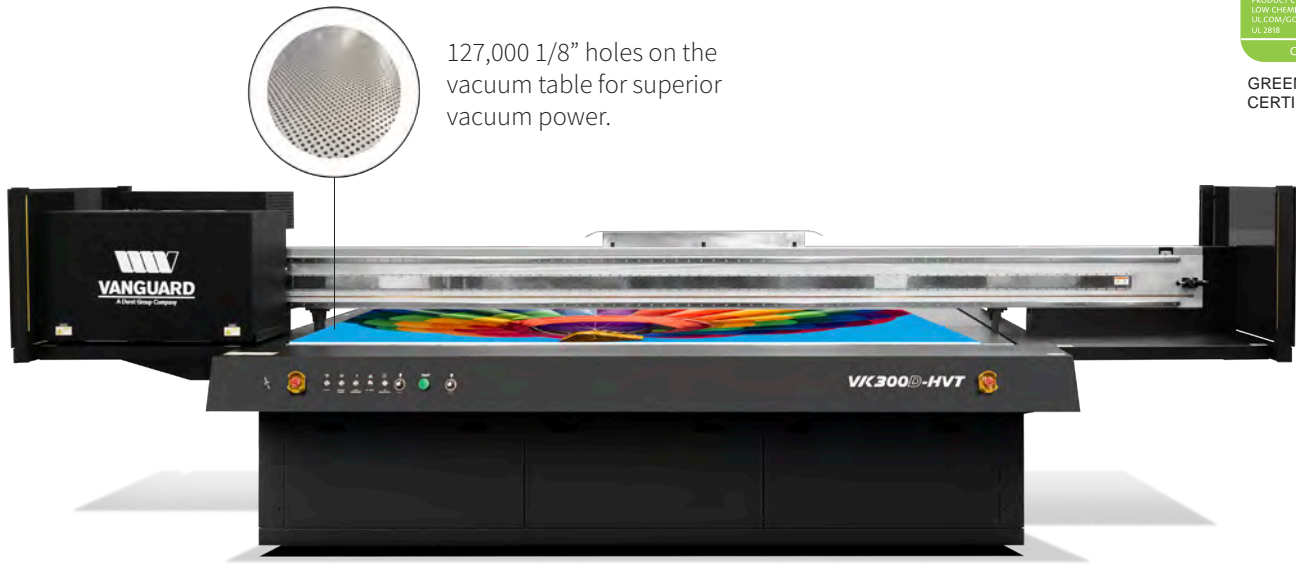
Express	Up to 3,412 sq ft/h
Production	Up to 2,421 sq ft/h
Quality	Up to 1,054 sq ft/h
High Quality	Up to 516 sq ft/h

VK300D-HVT

FLATBED UV-LED PRINTER



GREENGUARD
CERTIFIED INK



127,000 1/8" holes on the vacuum table for superior vacuum power.

Built on the same award winning VK300D-HS platform with all the robust functionality, the VK300D-HVT is the big brother of table upgrades. Built with a custom milled aluminum tabletop made specifically for corrugated package printing, this flatbed will have your team producing at an incredible pace without the fear of curled substrates and head strikes. The vacuum table is made up of 127,000 1/8th inch holes and two 7.5 horsepower Spencer blower motors for maximum substrate stability while printing.

VK300D-HVT

Print Head	Kyocera
Qty. of Heads	Up to 10
Max Print Thickness	Up to 4"
Ink Configuration	CMYK + W + V
Max Print	61.3" x 125.5"
Dimension	18' 7" x 8' 9" x 5'
Electrical Requirement	2 x 220V 30 A Single-phase 1 x 120V 20 A Single-phase
Blower Soft Start Requirement	2 x 220V or 480V Three-phase 20A or 30A (Amps determined on voltages specifications)
Air Requirement	2 x 120V 20 A Single-phase 80-100 PSI

SINGLE ROW PRINT SPEEDS

Express	Up to 2,047 sq ft/h
Production	Up to 1,500 sq ft/h
Quality	Up to 600 sq ft/h
High Quality	Up to 400 sq ft/h

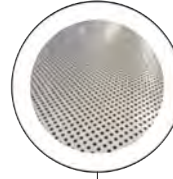
DUAL ROW PRINT SPEEDS

Express	Up to 3,412 sq ft/h
Production	Up to 2,421 sq ft/h
Quality	Up to 1,054 sq ft/h
High Quality	Up to 516 sq ft/h

VK300D-SS

FLATBED UV-LED PRINTER

127,000 1/8" holes on the vacuum table for superior vacuum power.



The VK300D-SS features an upgraded robust vacuum table. Built with a custom milled aluminum vacuum table designed specifically to pull down the most warped substrates. The VK300D-SS reduces the risk of head strikes and offers you peace of mind when printing severely warped materials. The vacuum table is made up of 127,000 1/8th inch holes and two 5 horsepower Spencer blower motors for maximum substrate stability while printing.

VK300D-SS

Print Head	Kyocera
Qty. of Heads	Up to 10
Max Print Thickness	Up to 4"
Ink Configuration	CMYK + W + V
Max Print	61.3" x 125.5"
Dimension	18' 7" x 8' 9" x 5'
Electrical Requirement	2 x 220V 30 A Single-phase 1 x 120V 20 A Single-phase
Blower Soft Start Requirement	2 x 220V or 480V Three-phase 20A or 30A (Amps determined on voltages specifications) 2 x 120V 20 A Single-phase
Air Requirement	80-100 PSI

SINGLE ROW PRINT SPEEDS

Express	Up to 2,047 sq ft/h
Production	Up to 1,500 sq ft/h
Quality	Up to 600 sq ft/h
High Quality	Up to 400 sq ft/h

DUAL ROW PRINT SPEEDS

Express	Up to 3,412 sq ft/h
Production	Up to 2,421 sq ft/h
Quality	Up to 1,054 sq ft/h
High Quality	Up to 516 sq ft/h

VR6D-HS

THE MOST REVOLUTIONARY
FLATBED UV-LED PRINTER



GREENGUARD
CERTIFIED INK



The VR6D-HS is the most advanced 4'x8' flatbed on the market today. It combines the latest state-of-the-art Ricoh Gen 6 print head technology and high-speed magnetic drive unparalleled speed, resolution and quality. The VR6D-HS can be configured in a number of ways to fit your needs as your business grows. The option to be field upgradeable with up to 10 heads (5 x 2) rows allows you to expand your capabilities and never slows you down. The VR6D-HS sets a new standard for all UV flatbeds.

VR6D-HS

Print Head	Ricoh Gen 6
Qty. of Heads	Up to 10
Max Print Thickness	Up to 4"
Ink Configuration	CMYK + W + V
Max Print	50" x 99"
Dimension	15' 11" x 7' 3" x 5'
Electrical Requirement	2 x 220V 30 A Single-phase 1 x 120V 20 A Single-phase
Air Requirement	80-100 PSI

SINGLE ROW PRINT SPEEDS

Express	Up to 1,001 sq ft/h
Production	Up to 538 sq ft/h
Quality	Up to 268 sq ft/h
High Quality	Up to 214 sq ft/h

DUAL ROW PRINT SPEEDS

Express	Up to 1,557 sq ft/h
Production	Up to 702 sq ft/h
Quality	Up to 531 sq ft/h
High Quality	Up to 422 sq ft/h

VR5D-E

ENTRY LEVEL FLATBED UV-LED PRINTER



Our VR5D-E is the most feature rich, entry level 4' x 8' true UV-LED fixed table on the market. Utilizing industry-proven, Ricoh Gen5 print heads, you can expect both quality and speed, up to 12 boards an hour, at an affordable starting price.

The VR5D-E is field upgradeable, with up to 10 print heads in 2 rows (2x5), for increased production. While pricing is entry level, the VR5D-E is an Industrial printer engineered for worry-free maintenance and ease of operation. High production workflow operating cost is at your fingertips!

The VR5D-E supports CMYK + W + V printing while utilizing 7 pL dots for vivid color output on substrates up to 4" thick. Other features include auto height detection, one-touch pin registration, front-to-back and back-to-front printing and 4 reversible vacuum zones. The end result is a versatile printer that helps you expand your job applications and grows with your business.

VR5D-E

Print Head	Ricoh Gen 5
Qty. of Heads	Up to 10
Max Print Thickness	Up to 4"
Ink Configuration	CMYK + W + V
Max Print	50" x 99"
Dimension	15' 11" x 7' 3" x 5'
Electrical Requirement	2 x 220V 30 A Single-phase 1 x 120V 20 A Single-phase
Air Requirement	80-100 PSI

SINGLE ROW PRINT SPEEDS

Express	Up to 570 sq ft/h
Production	Up to 377 sq ft/h
Quality	Up to 188 sq ft/h
High Quality	Up to 140 sq ft/h

DUAL ROW PRINT SPEEDS

Express	Up to 648 sq ft/h
Production	Up to 535 sq ft/h
Quality	Up to 476 sq ft/h
High Quality	Up to 320 sq ft/h

VKR3200-HS

ROLL-TO-ROLL UV-LED PRINTER



The robust VKR3200-HS 3.2 meter (126”) true roll-to-roll UV-LED is capable of producing speeds up to 3000 sq ft/hr utilizing Kyocera’s 4.25” KJ4A printhead and high-speed electromagnetic drive system.

The KJ4A is a dual channel printhead design that supports two colors at a time. The small 4 picoliter drop size ensures tight dot placement for a vividly printed output on flexible substrates up to 1” thick. These advanced features make it the fastest and most accurate printer in its class.

The VKR3200-HS is field expandable up to two rows of heads for a total of 10 and supports CMYK, W and V. The VKR3200-HS also comes standard with liquid cooled LED curing lamps, dual-roll printing capability and an ink-catch for mesh banner, window film, edge-to-edge printing, textile materials and other porous materials.

VKR3200-HS

Print Head	Kyocera
Qty. of Heads	Up to 10
Ink Configuration	CMYK + W + V
Max Print Width	3.2m / 126”
Max Roll Diameter	15.75”
Max Roll Weight	440 lbs
Dimension	18’ 10” x 5’5” x 5’ 10”
Electrical Requirement	1 x 220V 40 A Single-phase 1 x 120V 20 A Single-phase
Air Requirement	80-100 PSI

SINGLE ROW PRINT SPEEDS

Production	Up to 1,500 sq ft/h
Quality	Up to 600 sq ft/h
High Quality	Up to 400 sq ft/h

DUAL ROW PRINT SPEEDS

Production	Up to 2,900 sq ft/h
Quality	Up to 1,150 sq ft/h
High Quality	Up to 800 sq ft/h

RADNOR

ULTRA-PRODUCTIVE UV-LED HYBRID PRINTER



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The versatile 3.2m Radnor UV-LED hybrid printing system is the all-in-one solution for printing both rigid and roll substrates in today's competitive large format print market. To exceed client and brand quality demands, the Radnor hybrid is configured with small drop Kyocera printheads and a magnetic linear drive control for precise drop placement. Built for redefined productivity, the Radnor can be configured with up to three rows of printheads for astonishing print speeds, while still allowing for optional white and varnish ink channels to expand application potential. Take your print operation to the next with Vanguard Digital and the Radnor hybrid printing system.

RADNOR

Print Head	Kyocera
Qty. of Heads	Up to 18
Ink Configuration	CMYK + W + V
Max Flat Media Width	126"
Thickness	Up to 2"
Max Roll Diameter	14"
Max Roll Weight	440 lbs
Dimension	18'9" x 5'3" x 6' 8"
Dimension (with 2 tables)	18'9" x 15'5" x 6' 8"
Electrical Requirement	2 x 220V 40 A Single-phase 1 x 120V 20 A Single-phase
Air Requirement	6-8 Bar 87-116 PSI
Max Consumption	5 (l/min) 1.3 (gal/min)
Class Particle 1	Water 4 Oil 1

SINGLE ROW PRINT SPEEDS

Express	Up to 2,002 sq ft/h
Production	Up to 1,011 sq ft/h
Quality	Up to 505 sq ft/h

DUAL ROW PRINT SPEEDS

Express	Up to 4,025 sq ft/h
Production	Up to 2,055 sq ft/h
Quality	Up to 1,011 sq ft/h

TRIPLE ROW PRINT SPEEDS

Express	Up to 6,146 sq ft/h
Production	Up to 3,067 sq ft/h
Quality	Up to 1,506 sq ft/h

VKH900-HS

HYBRID UV-LED PRINTER

The versatile VKH900-HS Hybrid UV-LED combines our award winning VK300D-HS flatbed printer with the capabilities of our VKR3200-HS roll to roll printer. Maximizing the key features of each platform, we achieved astonishing speed and clarity, utilizing Kyocera's KJ4A printhead, on either flat materials or roll stock.



GREENGUARD
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The VKH900-HS is a field expandable platform allowing up to 15 Kyocera KJ4A printhead, in a 3 row configuration (3 each CMYKW). With a versatile print zone of 2.5 m (98"), the VKH900-HS is designed to accommodate industry standard rolls up to 98" wide and flat media up to 2.5" thick and 10 lbs/sq ft. As with all Vanguard printers, this hybrid continues to utilize fully adjustable liquid-cooled UV-LED lamps which will allow for printing on heat sensitive materials faster than competitive technologies.

Folds for easy storage.

Two tables to support wide and flat media up to 2.5" thick!



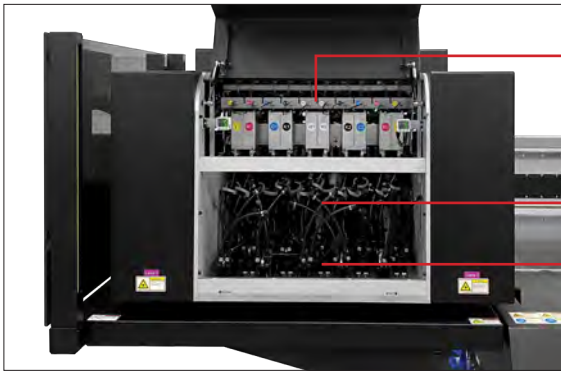
VKH900-HS

Print Head	Kyocera
Qty. of Heads	Up to 15
Ink Configuration	CMYK + W + V
Max Flat Media Width	98"
Thickness	Up to 2.5"
Max Roll Diameter	15.75"
Max Roll Weight	330 lbs
Dimension	17'5" x 5'1" x 5' 8"
Dimension (with 2 tables)	17'5" x 10'7" x 5' 8"
Electrical Requirement	2 x 220V 40 A Single-phase 1 x 120V 20 A Single-phase
Air Requirement	6-8 Bar 87-116 PSI
Max Consumption	5 (l/min) 1.3 (gal/min)
Class Particle 1	Water 4 Oil 1

TRIPLE ROW PRINT SPEEDS

Express	Up to 2,975 sq ft/h
Production	Up to 2,016 sq ft/h
Quality	Up to 1,250 sq ft/h
High Quality	Up to 833 sq ft/h

COMPONENTS



INK PUMPS
KNF in Germany



FILTERS
PALL in Port Washing,
New York



PRINT HEADS
KYOCERA in Kyoto, Japan

MAGNETIC RAIL SYSTEM
BOSCH in Gerlingen, Germany

MAGNETIC READER
RENISHAW in
Wottonunder-Edge, Gloucestershire



STATIC SUPPRESSION BARS
TAKK in Cincinnati, Ohio

SERVO COMPONENTS
PANASONIC in Kadoma, Japan





Factory-trained Technicians

We have a team of educated technicians strategically located throughout the country. Our factory-trained team is deployed for installations, service requests, in-field upgrades, periodic maintenance and much more.



Service Contracts

Select, Co-Pay and Platinum Service Contracts are available to suit business needs based on experience, operations, and your future business goals.



Training Workshops

The Training Workshops at our Customer Experience Center provide our users with the opportunity to take part in an intimate overview of their printer model with operator, applications and maintenance training – all with a hands-on approach. There are also options for on-site training at your facility.

The Vanguard Technical Assistance Center (VTAC) offers:

- *Multi-level remote support to maximize customer uptime*
- *Phone support with dedicated, factory-trained service engineers*
- *The right experience levels to handle all cases*
- *Customer Portal, available to all our users, contains:*
 - *Access to over 100 self-help technical bulletins & procedures*
 - *Links for color management and best practices*
 - *Supporting video supplements where possible*
 - *Printer maintenance schedule and continued development to this database*

THE BEST BUSINESS PARTNER TO INCREASE THE GROWTH OF YOUR BUSINESS

Product of the Year - 9 Years in a Row!



Vanguard Digital Printing Systems - A Durst Group Company is building a proud history of adapting products to meet their family of clients' needs by defining the market through ever evolving innovation technology, quality, and speed. We don't force our clients to adapt to our equipment, but rather, we adapt our equipment to fit the needs of our clients' unique application.

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