

You can rely on our service in any situation

At our site, your location, by e-mail or phone – we are always there for you

If you decide in favor of VIRTU, we will supply you not only with a large-format digital printing system but you will also receive our first-class service on top of that. This includes both comprehensive consultation prior to purchase and professional start-up as well as detailed training sessions. Moreover, you have the option of concluding a service contract for your printer, which thanks to our years of experience is tailored in the best possible way to your requirements.



Pre-sales

As our customer, you receive much more than standard fare. Of course, our engineers will adapt your VIRTU to your individual requirements and wishes. For that reason, we take sufficient time for extensive consultation – at your site or on our premises. For this is the only way you can find out how your personal printer must be configured. Upon delivery, you will receive detailed technical documentations from us.

Training sessions

Before putting your printer into operation, you will receive an in-depth introduction. In our demo facilities in Switzerland or in the USA, you will have an opportunity to participate in training sessions or to try out something completely new under the guidance of our specialists. By means of these training sessions, you will get to know the VIRTU printing technology to such an extent as will enable you to get the best possible and most efficient use out of your printer. That ensures minimum operating and maintenance costs.

After-sales

Our VIRTU printers are designed in such a solid and well thought-out way that they are extremely low-maintenance. Maintenance, troubleshooting, spare parts, and software updates – in our service contracts you can define to what extent and for how long you wish to make use of our support. You may order spare parts and consumables online twenty-four seven via our IPOS system.

RS 25

UV digital printer with a printing width of up to 2.5 meters (98.4 in)

VIRTU RS25 from Polytype is a large-format UV digital printer featuring hybrid architecture. With this multi-talent, you can print both on roll material and board material. Switching between these two operating modes occurs without any considerable investment of time. Due to the unique design and its diverse setting options, the VIRTU RS25 delivers convincing top quality – both in roll-material mode and in flatbed mode. For printing extra long boards, one simply supplements the VIRTU RS 25 with an add-on table available as an optional extra. As a result, the only factor limiting the length of the printable area is the length of the substrate.



Safe, economical, and versatile

VIRTU RS25 meets all requirements

Years of experience in the area of UV digital printing, Swiss thoroughness, and perfection, as well as the ambition to improve our printing machines continuously – all of that is reflected in the technical perfection of VIRTU RS25. In addition to the very highest printing quality, we are guaranteeing for all of our printing systems absolutely safe operation and environmental compatibility. Thus, the VIRTU RS25 also uses solvent-free inks (without VOC) and features a functional safety casing as well as a fume-extractor interface.



Printing of roll material
Switching from flatbed to roll-material mode takes place in no time at all. Thanks to the user-oriented operating design, one simply loads the material reel and the printer is ready for printing again promptly.



Extra long substrates
In no time at all, the reel-fed printer turns into a flatbed printer, using add-on tables to process even extra long boards without any problems.



Printhead unit
For the durable, low-maintenance printhead unit you may choose from a version with 36 or 48 printheads. The interruption-free ink refill system ensures uninterrupted operations.



Easy operation
VIRTU RS25 is constructed in a way that one person suffices for operating it. Thanks to an easily controllable pneumatic spring mechanism, it is possible, for instance, to open and close the printing chamber effortlessly.



Concussion-free printing
The massive frame and thorough workmanship allow printing in precise quality even of large formats, endowing VIRTU printers with superb stability.



Feed system
The optional feed system allows automatic feeding of solid substrates without gaps, thus enhancing productivity. Even extra long boards can be handled without any difficulty.



Low consumption of materials
The printhead configuration and a sophisticated meniscus system necessitates only few cleaning cycles. One can print on the reel inserted for printing as closely as approx. 20 cm (8 in) from the first cut.



Encoder wheel
The unique monitoring system on the printing table contributes significantly to the unmistakable printing quality of the VIRTU.

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Two printers in one	Hybrid technology allows printing of roll and board material														
Technology	Piezo drop-on-demand inkjet technology Printhead unit with 36 or, resp., 48 printheads (128 nozzles per printhead) Bidirectional or unidirectional printing Choice of 30 pl or 80 pl printheads available														
Inks	6 colors (CMYK, LC, LM), white as spot color or for sub or top printing, pigmented, UV-hardening, environmentally friendly, solvent-free (VOC-free)														
Resolution	Up to 1,200 dpi														
Print format	Width: max. 2.5 m (98.4 in), length: any														
Maximum substrate thickness and weight	95 mm (3.7 in); 50 kg/m ² (10.2 lbs/ft ²)														
Maximum roll weight	500 kg (1,102 lbs) incl. winding shaft														
Substrate	<ul style="list-style-type: none"> Board material: glass, acrylic glass, aluminum, wood, soft and rigid foam boards, PC, PP, leather, concrete, tiles, steel Roll material: mesh, textiles, paper, PE, polyester, PVC, transparent PVC/PA, banner, tarpaulin, vinyl 														
Printing speed	<table border="0"> <tr> <td></td> <td>with drop size 80 pl:</td> <td>with drop size 30 pl:</td> </tr> <tr> <td>Speed mode</td> <td>140 – 260 m²/h (1,507 – 2,799 ft²/h)</td> <td>80 – 120 m²/h (861 – 1,292 ft²/h)</td> </tr> <tr> <td>Production mode</td> <td>80 – 140 m²/h (861 – 1,507 ft²/h)</td> <td>60 – 80 m²/h (646 – 861 ft²/h)</td> </tr> <tr> <td>Quality mode</td> <td>30 – 80 m²/h (323 – 861 ft²/h)</td> <td>30 – 35 m²/h (323 – 377 ft²/h)</td> </tr> </table> <p>Depending on the format, substrate, inks, print mode, file format, etc., the printing speed may vary.</p>				with drop size 80 pl:	with drop size 30 pl:	Speed mode	140 – 260 m ² /h (1,507 – 2,799 ft ² /h)	80 – 120 m ² /h (861 – 1,292 ft ² /h)	Production mode	80 – 140 m ² /h (861 – 1,507 ft ² /h)	60 – 80 m ² /h (646 – 861 ft ² /h)	Quality mode	30 – 80 m ² /h (323 – 861 ft ² /h)	30 – 35 m ² /h (323 – 377 ft ² /h)
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Image data formats	The VIRTU RIP software accepts most graphic files (tif, eps, jpg, etc.).														
Operating system	Windows														
Interface	Ethernet 100/1,000 Mbps														
Dimensions	Height approx. 2.0 m (78.7 in); width approx. 5.3 m (208.7 in); depth approx. 3.3 m (129.9 in)														
Weight entire system	Approx. 5,800 kg (12,787 lbs)														
Power supply	<table border="0"> <tr> <td></td> <td>without oven:</td> <td>with oven:</td> </tr> <tr> <td>Machine</td> <td>3 x 400 V; 50 Hz; 32 A; 4 x 6 mm²</td> <td>3 x 400 V; 50 Hz; 50 A; 4 x 16 mm²</td> </tr> <tr> <td>Rated output</td> <td>16 kVA</td> <td>30 kVA</td> </tr> <tr> <td>Lighting</td> <td>1 x 230 V; 50 – 60 Hz; 10 A; 3 x 1.5 mm²</td> <td>1 x 230 V; 50 – 60 Hz; 10 A; 3 x 1.5 mm²</td> </tr> </table> <p>For countries with differing voltage and frequency values, an optional transformer is available.</p>				without oven:	with oven:	Machine	3 x 400 V; 50 Hz; 32 A; 4 x 6 mm ²	3 x 400 V; 50 Hz; 50 A; 4 x 16 mm ²	Rated output	16 kVA	30 kVA	Lighting	1 x 230 V; 50 – 60 Hz; 10 A; 3 x 1.5 mm ²	1 x 230 V; 50 – 60 Hz; 10 A; 3 x 1.5 mm ²
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Air consumption	Standby: approx. 1 m ³ /h (35.3 ft ³ /h); in operation: approx. 6 m ³ /h (212 ft ³ /h) at an input pressure of 6 bar (87 psi)														
Ambient conditions	Temperature: 10 °C up to 30 °C (50 – 86 °F); humidity: 30 % to 80 % (non-condensing)														
Safety	Conforms to the highest requirements with respect to personal safety and environmental compatibility (CE conformity)														
Options	<ul style="list-style-type: none"> Add-on table front/rear for extra long board material Automatic feed system for board material increases productivity Antistatic device enhances print quality Camera with monitor shows area behind printhead Remote maintenance via modem or Internet Oven for processing textiles 														