



**PRINT SOLUTIONS
FOR INDUSTRIAL
APPLICATIONS**





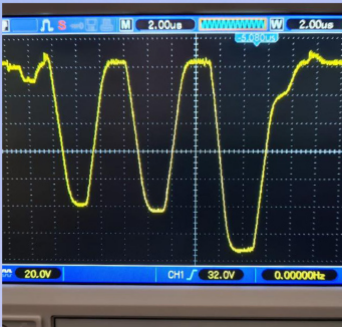
Signracer print solution starts with robust, industrial grade chassis, made for 24/7 production. Our Signracer designed chassis is produced externally and delivered to our production house in Trier, Germany for further assembly and setup. Each unit is assembled with print heads, LEDs, electronics and optional features according to the customer's request. Final quality control includes detailed assembly report (alignments) and test prints for all functions of the printer.

RICOH
imagine. change.



Signracer has a development partnership and OEM agreement with Ricoh. Therefore we are the only company offering the Gen. 5s with 2.5 pl and one of the first companies offering Gen. 6.

Ricoh's smaller drop print heads are suitable for special applications that demand higher precision like watch faces or industrial components.



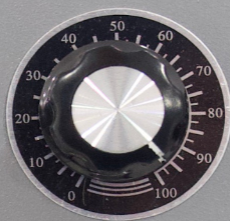
We develop our own inks and wave forms, which is extremely important for small drop print heads like Gen. 5s and high frequency like Gen. 6. This feature allows us even higher print output, and top quality at maximum printing speeds without compromise. Signracer waveforms are a perfect match with our ink formulations especially in grayscale printing.

**INTEGRATION
TECHNOLOGY**
A METZ HOLDING COMPANY



We use the UV integration LED System, which has very high performance and air cooling (no water cooling tubes in cable chain!). These LEDs Systems are offered with 3 years warranty. Modular design allows custom LED UV configurations for applications with varnish and primer. LED UV lamp features long life and light wavelength that perfectly matches the ink and varnish with optional delayed curing for primers.

UV



Our LED is adjustable from 10-100% with maximum power of 16 Watt/cm². High settings allow quick curing and the best adhesion and lower LED performance can be beneficial for further production processes (CNC machining, stretching materials, etc.)

The ink bottles are also used as the printer ink reservoirs. We achieve slow aging of the ink because old inks are never mixed with new inks. This results in a very stable printer and no sediments in the bottles because they are always changed.



Signracer OEM inks are produced by Nutec Digital according to highest quality standards. Our low viscosity ink formulation is running at only 38°C - 40°C, which requires less cleaning during operation and reduced ink aging in the system. We offer industrial print solutions to print on leather (long-term high flexibility) and highest adhesion on all kind of materials.



Signracer integrated digital primers can print these adhesion inhibitors under printed areas only. Our high-performance UV LED technology is curing the primers directly or with delayed curing. Delayed curing forms solid film-like surfaces, suitable for all industrial production purposes with challenging materials. The solid primer film provides the strong adhesion to the material and creates unique effects using white and colour on the top.



Cable chain from IGUS in Germany for 24/7 operation. Cable chains are referred to as the lifeline of modern machinery. These durable cable carriers ensure a safe supply of energy, data and inks while under constant motion. Tested for over 2 Million cycles!



Our Anti-static is located between the print heads and LED for highest efficiency. Maintenance friendly design allows easy cleaning of antistatic module. Antistatic carriage module from Kersten in Germany is chosen for it's highest performance. KERSTEN has been the leading supplier of system solutions for electrostatics for over 40 years.





European CE certification makes sure that all components of our printers are in accordance to European standards. In addition we offer technical support through our experienced engineering team for all our customers across Europe.



Signracer is designed in Switzerland, where it is constantly tested and upgraded in our R&D center. All our new features, inks and applications are rigorously tested over the period of six months prior to production. We develop system solutions with Pre-treatment, Priming, printing and surface coatings which can be integrated in the production processes at our clients.



In 2019 we moved to our new 600m² production facility in Trier, Germany. There we do assembly, quality control, and further printer customizations for customers. With our growing production capacity in Germany, we ensure stable and quick delivery as well as good stock of all machines.



Our newest European R&D and production facility is operating in Torino, Italy. In Italy we are specialised in water-based inks including full inline solutions with Mega rollers, cutters and stackers. These include our HydroSpeed printer series for printing on paper and our TEX printer series for dye-sublimation printing on transfer paper or direct to fabric.