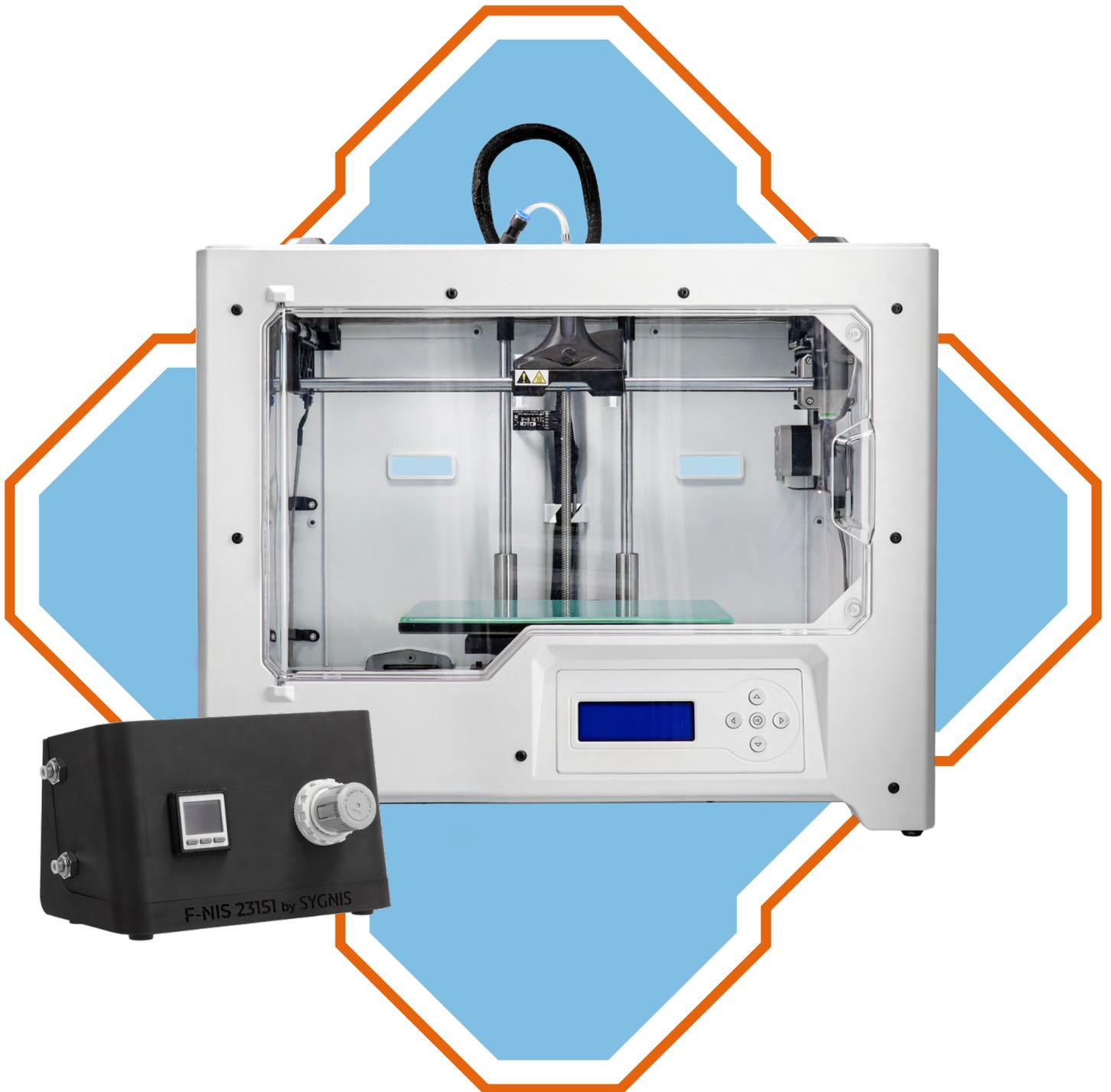


# F-NIS 23151

**SYGNIS**  
SPÓŁKA AKCYJNA



**Direct Ink Writing 3D printer**  
for industry, chemistry and materials laboratories

The F-NIS 23151 3D printer is an ideal solution for consumers interested in DIW (Direct Ink Writing) technology. The device was built on the basis of Creator Pro, a proven 3D printer. It offers durable, enclosed construction and full reliability.

A precision pneumatic extrusion system was implemented in the design. This combination provides the user with a simple and reliable tool, helpful in the initial stages of *proof-of-concept* or as a universal base for prototyping original materials in 3D printing.

The F-NIS 23151 will find use in industry, chemistry and materials labs or among research groups. As a versatile 3D Direct Ink Writing printer, the F-NIS 23151 fits perfectly into teams working on new materials, flexible electronics, ceramic insulators, UV-curable materials, silicones and conductive pastes. What's more, FNIS works with the most popular slicing programs. Our postprocessor will take care of any gcode and adjust it to your semi-liquid's needs.

The device is offered in 3 different specifications – A, B and C:

#### VERSION A

NUMBER OF HEADS:	1
CARTRIDGE SIZE:	30 ml / 55 ml
WORKING AREA:	230 x 150 x 150 mm
HEATED PLATFORM:	Yes, up to 120°C
WORKING PLATFORM:	Tempered glass
PRINT MATERIAL:	Any one-component paste or semi-liquid material
PRINT HANDLING:	USB, SD card
SOFTWARE:	Post processor included
WORKING CHAMBER:	Closed
EXTRUSION:	Pneumatic (optional compressor with working pressure up to 4 bar)

#### VERSION B - Additional features

UV MODULE:	UV module with 365 nm and 405 nm wavelengths
SOURCE OF LIGHT:	Post-processor controlled diodes

#### VERSION C - Additional features

CARTRIDGE SIZE:	10 ml
HEAD UPGRADE:	Extruder with cartridge heating capability up to 60°C

