



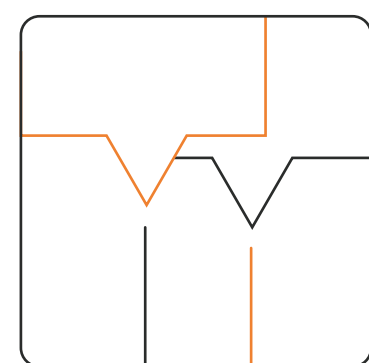
S I G N A L P R O

# Continuous widening of perspectives

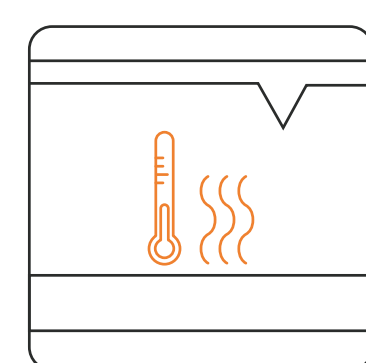


## SIGNAL PRO

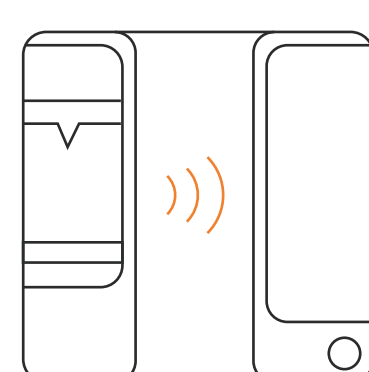
Machines created in response to the expectations of our customers - people looking for professional solutions. The possibility to choose the size of the working area allows for a perfect fit to individual needs.



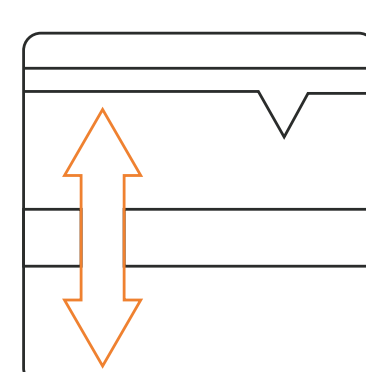
One printing head  
with two extruders



Active temperature  
control



Wireless  
communication



Bed autolevelling

# SIGNAL PRO

## Technical specification

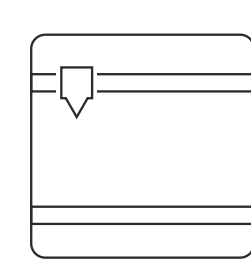
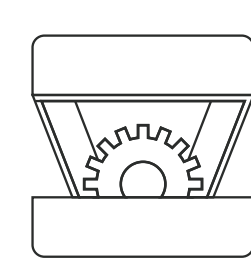
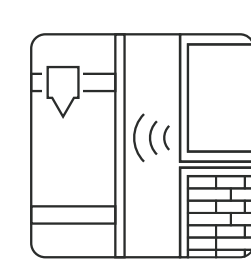
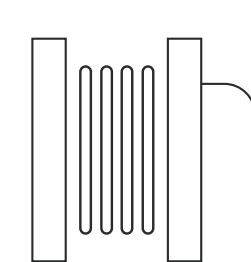
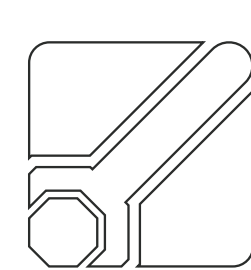
| PRINTER SPECIFICATIONS | Printing technology                   | FFF (FDM)                                                                                               |
|------------------------|---------------------------------------|---------------------------------------------------------------------------------------------------------|
|                        | Working area                          | X:300 Y:300 Z:300/500 mm                                                                                |
|                        | Housing                               | Stable, aluminum, closed construction. Key locked doors. Spool with filament hidden inside the housing. |
|                        | Printing enviroment                   | Closed working area with temperature control and carbon filter                                          |
|                        | Max. chamber temperature              | 45°C                                                                                                    |
|                        | Working bed                           | Bed autolevelling, heated working platform                                                              |
|                        | Working bed material                  | Granite                                                                                                 |
|                        | Max. bed temperature                  | 140°C                                                                                                   |
| HEAD                   | Nozzle diameter                       | Basic: 0.4 mm<br>Possible: 0.25 mm; 0.30 mm<br>0.35 mm; 0.60 mm; 0.80 mm                                |
|                        | Number of extruders                   | 2                                                                                                       |
|                        | Extruder type                         | Direct                                                                                                  |
|                        | Max. head temperature                 | 295°C                                                                                                   |
| PRINTING PROCESS       | Layer height                          | 0.1 – 0.6 mm                                                                                            |
|                        | Nominal printing speed                | 150 mm/s                                                                                                |
|                        | HQ printing speed                     | 80 mm/s                                                                                                 |
|                        | Maximum passage speed                 | 200mm/s                                                                                                 |
|                        | Positioning accuracy of the X/Y axes  | 7 µm                                                                                                    |
|                        | Positioning accuracy of the Z axis    | 1.25 µm                                                                                                 |
|                        | Software                              | Cura                                                                                                    |
|                        | File extensions supported by software | .stl, .obj                                                                                              |

# SIGNAL PRO

## Technical specification

|              |                                      |                                                         |
|--------------|--------------------------------------|---------------------------------------------------------|
| MATERIAL     | Materials                            | PLA, PET-G, ABS, TPU, PC, PA, ESD<br>Support: HIPS, PVA |
|              | Material diameter                    | 1.75 mm                                                 |
|              | Filament form                        | Spool                                                   |
|              | Supported spool weights              | 2 x 0.85kg/1.0kg<br>1 x 2.5kg                           |
| OPERATION    | Communication                        | WiFi, LAN, USB                                          |
|              | File extensions supported by printer | .gcode                                                  |
|              | Control                              | Touchscreen                                             |
|              | Remote view                          | Yes-camera with wide-angle lens                         |
|              | Working environment temperature      | 15 - 25°C                                               |
| GENERAL DATA | Power                                | 230V/50Hz                                               |
|              | Max. power consumption               | 1200 W                                                  |
|              | Average power consumption for PLA    | 250 W                                                   |
|              | External dimensions                  | 650x650x850/1050 mm<br>(width x depth x height)         |
|              | Weight                               | 63/69 kg                                                |

### CONTENT OF THE SET

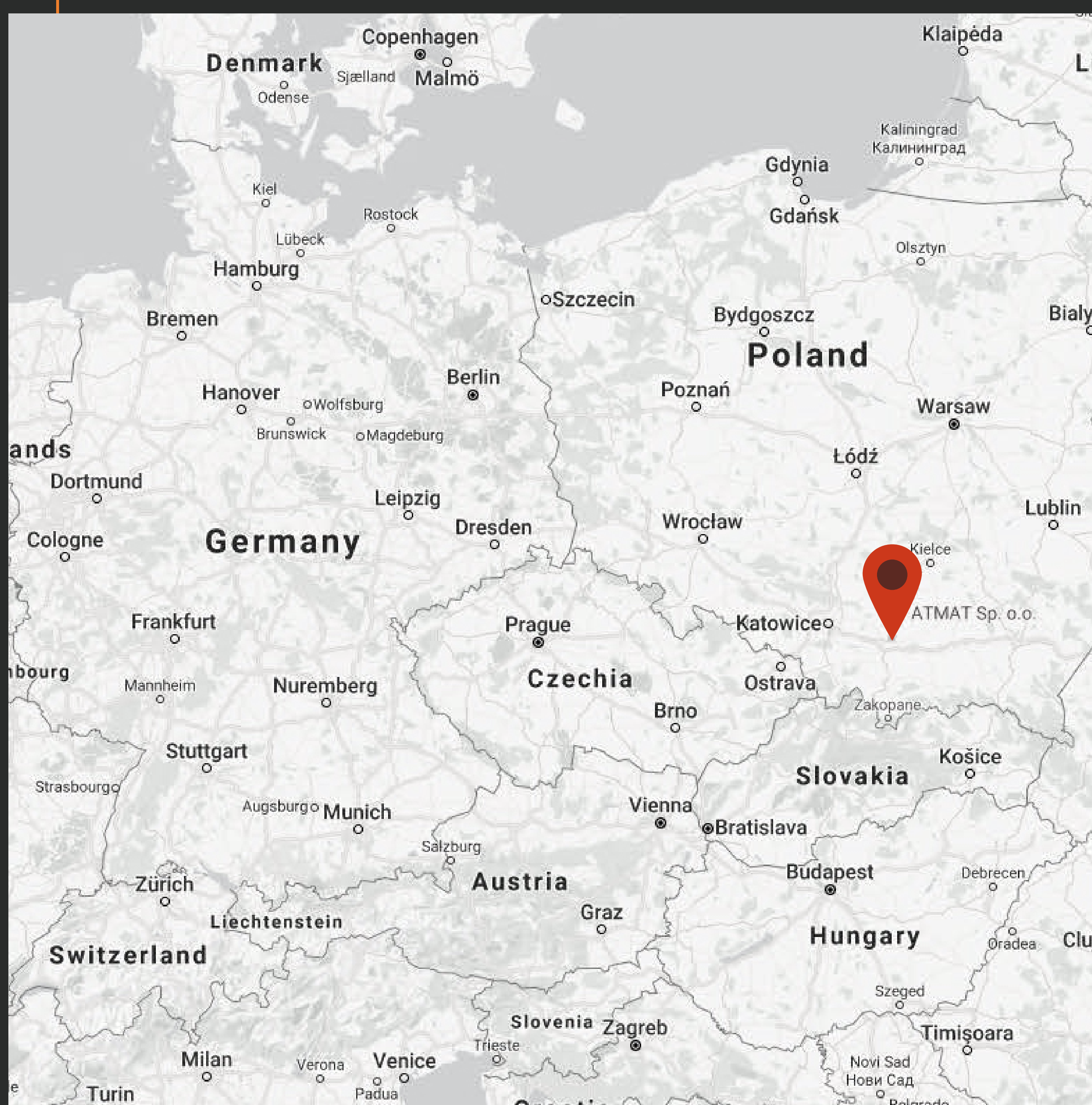
|                                                                                     |                 |                                                                                       |                    |
|-------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------|--------------------|
|  | 3D Printer      |  | Maintenance kit    |
|  | Cura software   |  | 2 x filament spool |
|  | 1 year warranty |  | User's manual      |



# ATMAT

Contact us

[sales@atmat.pl](mailto:sales@atmat.pl)



[www.atmat.pl](http://www.atmat.pl)