

# Junior Nanofics

## Technical specifications



Process chamber	<p><u>Material:</u> aluminium <u>Inside dimensions:</u> 500 x 400 x 250 mm <u>Volume:</u> 50 liter <u>Tray:</u> 1, with dimensions 360 x 360 mm</p>
Vacuum measurement	Baratron gauge
Generator	Custom design for Nanofics application
Pumping system	Dry pump group
PLC	<p>The equipment and automatic processing is fully controlled by an industrial PLC. The HMI (user interface) runs over an industrial touch panel PC having following properties:</p> <ul style="list-style-type: none"><li>• 17" touch screen.</li><li>• LED backlight.</li><li>• Integrated SSD hard drive.</li></ul> <p>The HMI offers following functionalities:</p> <ul style="list-style-type: none"><li>• Process &amp; Instrumentation Diagram showing real-time machine status.</li><li>• User-level based log on for managing user rights from operator to engineer mode.</li><li>• Recipe management system offering unlimited number of recipes, each recipe representing a unique set of process parameters.</li><li>• Diagnostic functions.</li><li>• Alarm management.</li><li>• Optional historical data logging and viewing.</li></ul>
Electricity	380V AC, 50Hz, 40A
Process gas	2 gas lines with MFC (Mass Flow Controller)
Safety features	Emergency-off-switch, vacuum interlock, over temperature interlock, CE-label
Process gas connection	¼"-Swagelok-fitting, input pressure 1 Bar

Options: data logging, additional gas channels, customised loading tray

