

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">• 17" touch screen.• LED backlight.• Integrated SSD hard drive. <p>The HMI offers following functionalities:</p> <ul style="list-style-type: none">• Process & Instrumentation Diagram showing real-time machine status.• User-level based log on for managing user rights from operator to engineer mode.• Recipe management system offering unlimited number of recipes, each recipe representing a unique set of process parameters.• Diagnostic functions.• Alarm management.• Optional historical data logging and viewing.
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

