

# CD Roll X/Y Nanofics

## Technical specifications



Picture: CD 1100/500

Process chamber	<p><u>Material</u>: aluminium <u>Inside dimensions</u>: depending on roll dimensions (X/Y) <u>Volume</u>: custom size <u>Core diameter</u>: 75 mm inside. <u>Web speed</u>: 0,1 - 10 m per minute. <u>Heating</u>: custom design heating with independent temperature control of chamber faces, door and electrodes, up to 60°C. <u>Insulation</u>: custom design insulation of chamber and door.</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><i><u>The HMI offers following functionalities:</u></i></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	3 x 380V AC, 50Hz, 100A
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

