

CD Roll X/Y Nanofics

Technical specifications



Picture:CD1600/800

Process chamber	<p><u>Material:</u> aluminium</p> <p><u>Inside dimensions:</u> depending on roll dimensions (X/Y)</p> <p><u>Volume:</u> custom size</p> <p><u>Core diameter:</u> 75 mm inside.</p> <p><u>Web speed:</u> 0,1 - 10 m per minute.</p> <p><u>Heating:</u> custom design heating with independent temperature control of chamber faces, door and electrodes, up to 60°C.</p> <p><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">• 17" touch screen.• LED backlight.• Integrated SSD hard drive. <p><i>The HMI offers following functionalities:</i></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	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
<u>Options:</u> data logging	

