

CD Roll X/Y Nanofics

Technical specifications



Process chamber

Material: aluminium

Inside dimensions: depending on roll dimensions (X/Y)

Volume: custom size

Core diameter: 75 mm inside.

Web speed: 0,1 - 10 m per minute.

Heating: custom design heating with independent temperature control of chamber faces, door and electrodes, up to 60°C.

Insulation: custom design insulation of chamber and door.

Vacuum measurement

Baratron gauge

Generator

Custom design for Nanofics application

Pumping system

Dry pump group

PLC

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:

- 17" touch screen.

- LED backlight.

- Integrated SSD hard drive.

The HMI offers following functionalities:

- 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

Options: data logging

