



# TrinosLine Vacuum Chambers

The standard vacuum chamber for the most varied fields of application.  
Individually adjustable with quick availability

## Advantages at a glance

- Fast delivery time
- Customer specific ports
- Proven, rugged technology

## Standard features

- Cubical chamber, 304 SS
- 12" or 20" inner dimension
- Quick-release clamps to pressurize door seal
- Inside and outside surfaces glass bead blasted\*
- Stainless steel or acrylic glass door
- FPM/FKM door seal
- Door hinged left or right
- Engineered drawing detailing your final design

\*Additional surface ageing optional



Ports are not included in the basic equipment

## Options:

- Chamber ports
- Blank flange
- Viewports
- Mounting bracket or support plates



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## Technical data

Chamber type	Stainless steel door	Acrylic glass door
Pressure range	$1 \cdot 10^{-7}$ to 1,000 mbar	$1 \cdot 10^{-5}$ to 1,000 mbar
Seal tightness**	$< 1 \cdot 10^{-8}$ mbar l/s	$< 1 \cdot 10^{-8}$ mbar l/s
Temperature range	-15 to 150°C	0 to 40°C

## Order numbers for base body

Nominal width	Stainless steel door	Acrylic glass door
300 mm	820KBH300-S	820KBH300-G
500 mm	820KBH500-S	820KBH500-G

\*\*without permeation through seals or acrylic glass

# Flash&Go™

## ARM200F TEM with Cold FEG

GaN [211] HAADF at 200 kV

ABF, HAADF and EELS  
Ca<sub>3</sub>Co<sub>4</sub>O<sub>9</sub> (110)

Data courtesy of Dr. Robert Klie,  
University of Illinois at Chicago

Visualization of hydrogen atomic columns in YH<sub>2</sub>  
by ABF imaging (Y = red, H = green) Data courtesy  
of Ryo Ishikawa and Dr. Eiji Abe (The University of Tokyo)

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