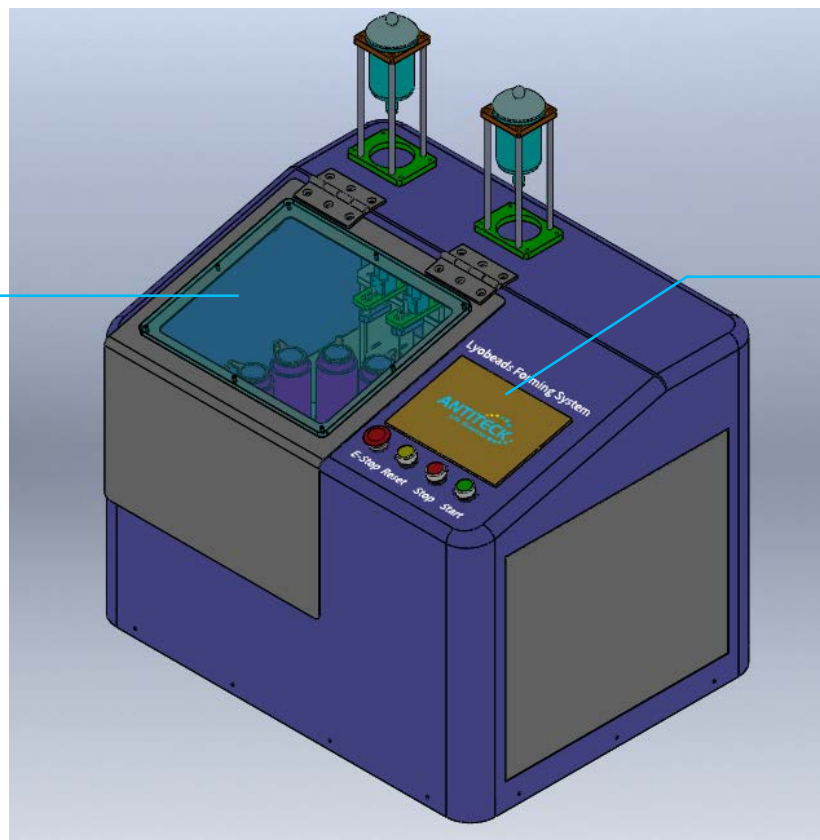


Lyobeads Forming System



Overview



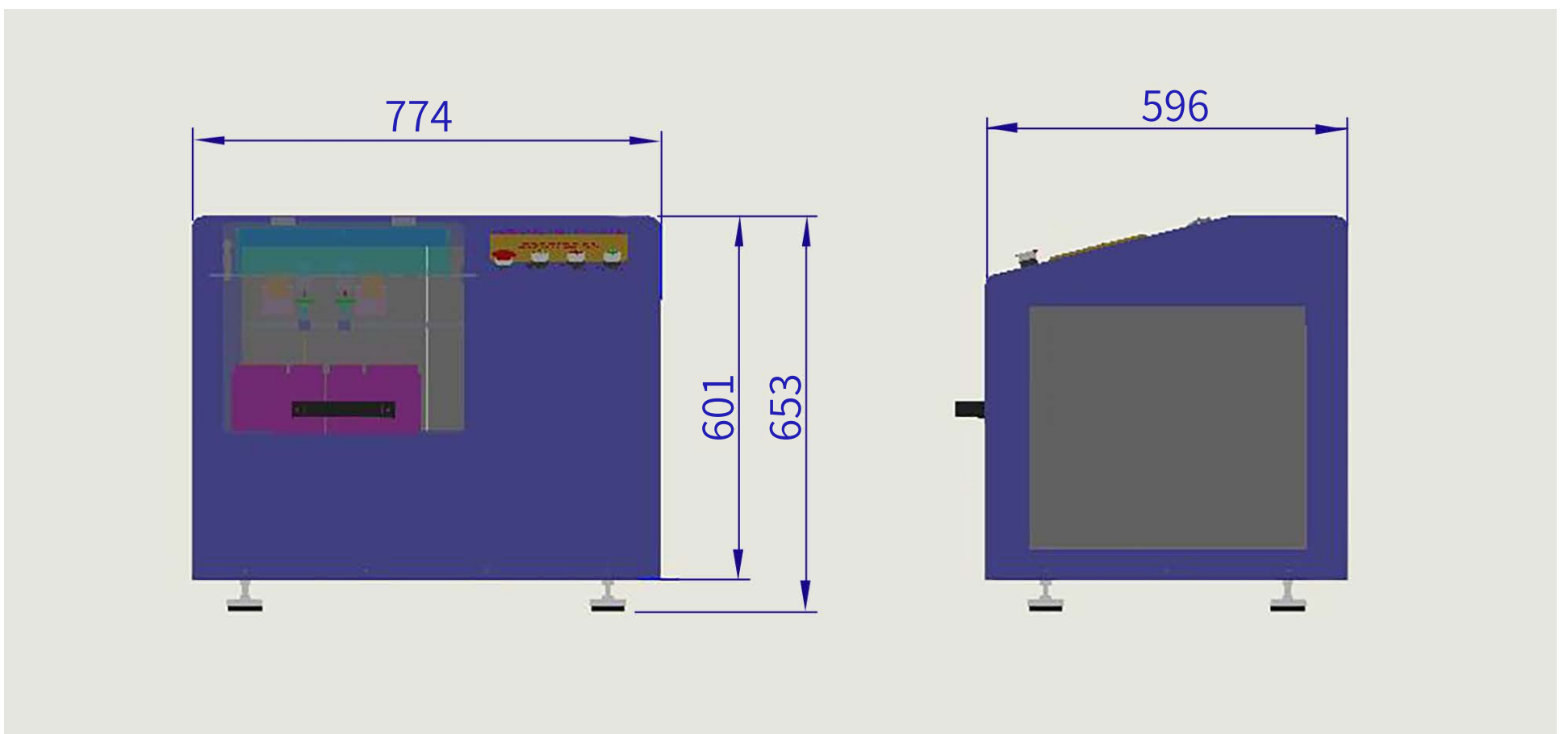
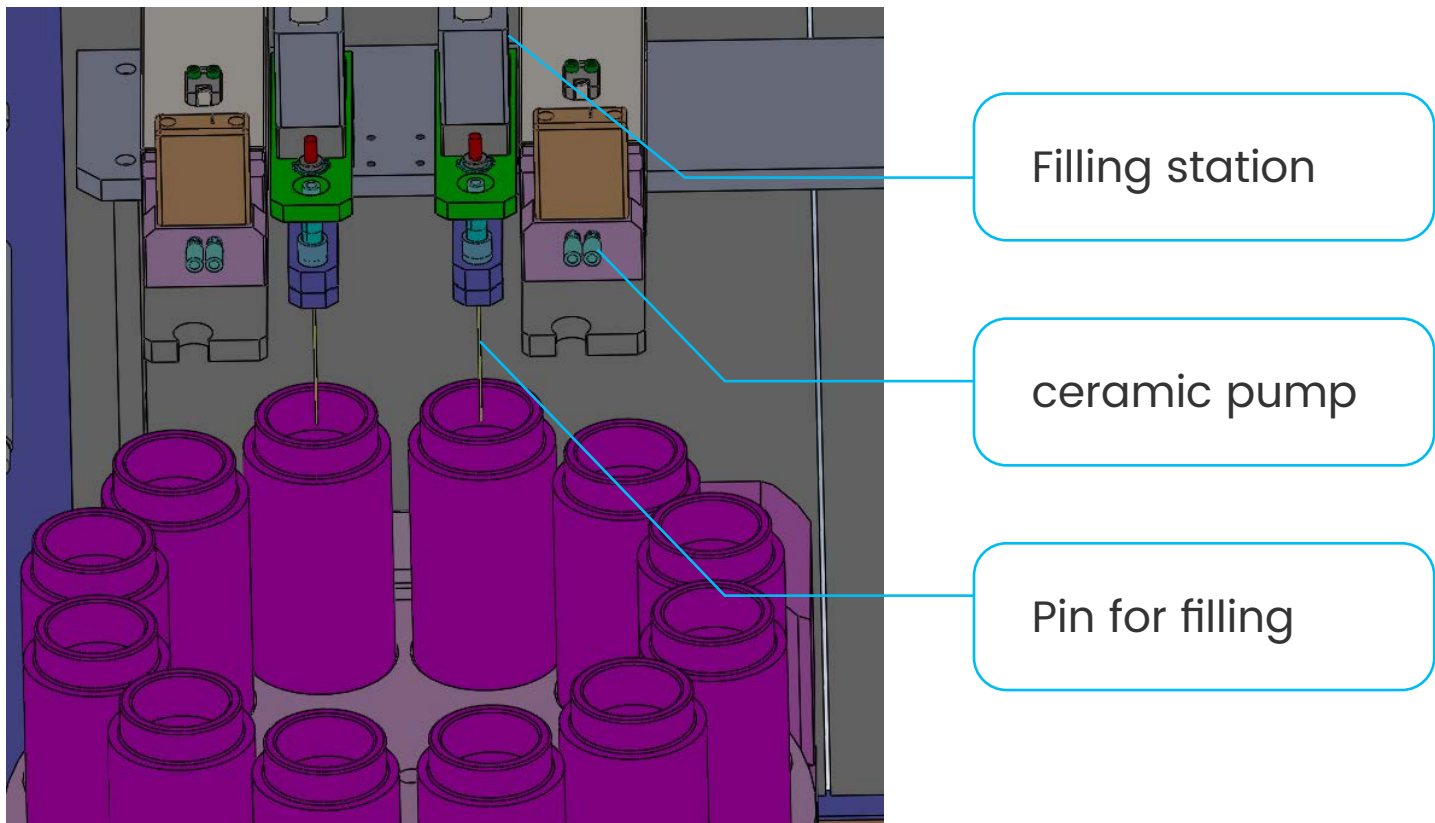
Window

Can view operation at any time, avoid light

7 in Touch screen

Rotation disk

Cartridges for Liquid nitrogen (120ml)



Purpose:

Lyobeads forming system use to large scale production forming lyobead which widely used in IVD diagnostics industry.

Workflow:

1. Fill liquid nitrogen into cartridges
2. Pump reagent & ready to fill
3. Rotation disk turns clockwise
4. Fill one drop into liquid nitrogen
5. Waiting forming shape
6. Bead finish

Parameters:

Bead size	3-150ul
Fill range	3~150ul(adjustable), precision: $\pm 0.5\%$
Pumps	2
Speed	24-48pcs/min \approx 2800pcs/h
Cartridges	12 (SUS316, 120ml)
Forming time	15-30s/bead
Rotation disk	servo motor, precision: $\pm 0.1\text{mm}$
Control system	HMI program, touch screen, easy to operate and setting parameters
Filling tube	PTFE
Tube size	Coming tube inner diameter 2mm, diameter 3mm; drain tube inner diameter 1mm, diameter 1.6mm
Power supply	AC220V/50Hz, 200W
Color	Black (avoid light)
Weight	50kg

video:

<https://youtu.be/9IUcNAu6ybm>