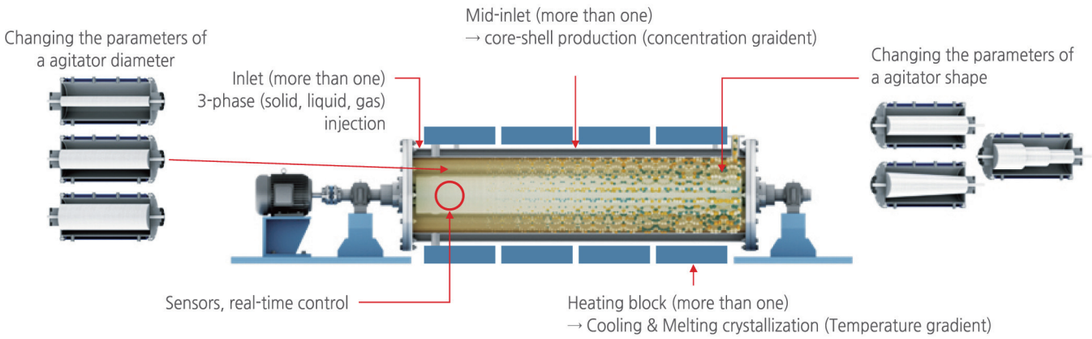
LCTR series



Option

Pump (research)

Max 20 mL/min
Max 6 bar
Materials : PP or PTFE

Pump (plant)

Max 200 L/min
Max 16 bar
Materials : PTFE

Pump (slurry)

Max 600 rpm
Max 8 bar

Circulator

Solution temperature control
-25 ~ 150 ℃

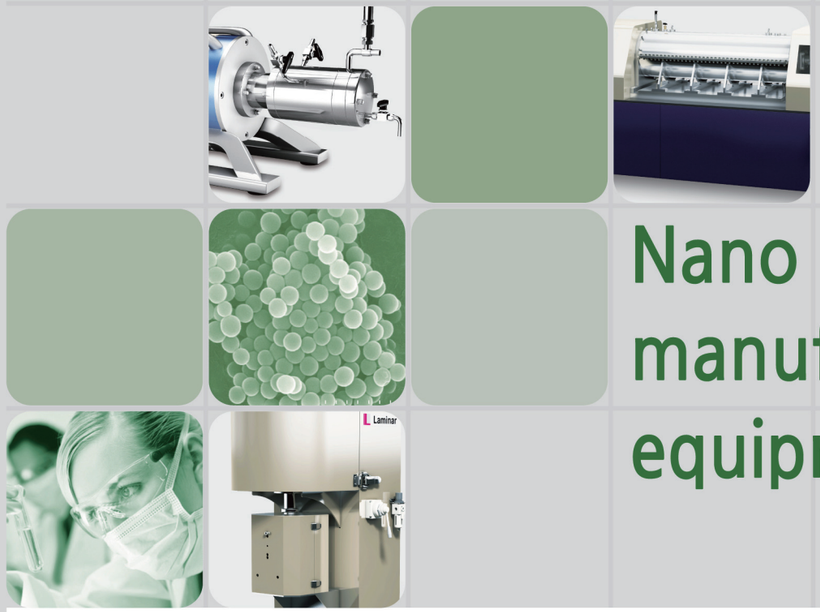
Weight

Weighing injection solution
0.01 ~ 10 kg
0.001 ~ 1 kg

Laminar

#209, 27, Dunchon-daero 457beon-gil, Jungwon-gu, Seongnam-si, Gyeonggi-do, Korea
Tel. +82-31-737-2375 Fax. 82-31-737-2757 E-mail. laminar@laminarm.co.kr
www.laminarm.co.kr

Continuously producing uniform material



Nano materials manufacturing equipment

Laminar

LCTR-Lab-H
High temperature & High Pressure

LCTR-Lab-H Point

Operating in a high temperature and a high pressure
Taylor reactor using furnace or circulator

LCTR-Lab-H specifications

Working volume	100 mL
Reaction temperature	Max 600 ℃
Agitation speed	Max 1500 rpm
Materials	SUS316L
Pressure	Max 250 bar
Type	Vertical
Dimension L/W/H (mm)	600 * 850 * 1850
Weight (kg)	120

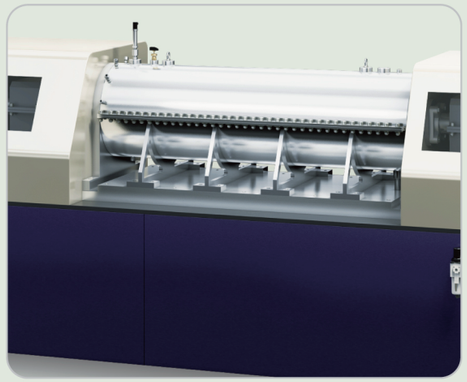
LCTR-Lab
Standard type

LCTR-Lab Point

Research reactor
Material for the production of high value-added

LCTR-Lab specifications

Working volume	100 mL
Reaction temperature	Max 150 ℃
Agitation speed	Max 1500 rpm
Materials	SUS316L
Pressure	Max 5 bar
Type	Horizontal
Dimension L/W/H (mm)	850 * 300 * 430
Weight (kg)	50



LCTR-exa 8100
Pilot-scale reactor

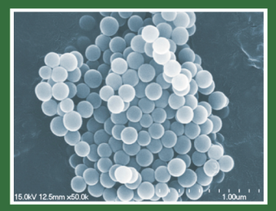
LCTR-exa 8100 advantage

· Shorten the reaction time
· Continuously producing uniform nano-material
· The reactor for mass production

LCTR-exa 8100 specifications

Working volume	50 L
Reaction temperature	Max 60 ℃
Agitation speed	Max 1200 rpm
Materials	SUS316L& SUS304
Dimension L/W/H (mm)	3400 * 1300 * 1850
Weight (t)	3

LCTR Results



SiO_2