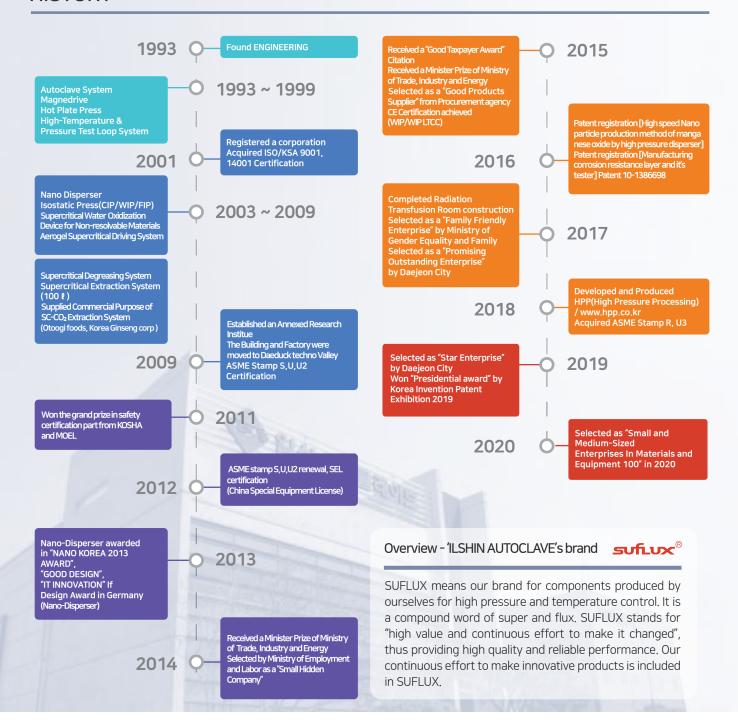
Global leader of high temperature high pressure technology

VOURIDEA POSSIBLE ILSHINAUTOCLAVE

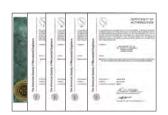
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HISTORY



CERTIFICATION















ISO9001/ SEL ISO14001

NET

ILSHIN AUTOCLAVE is providing many different size of pressure vessel. Depending on application and customer's requirement, it's available many different size with high pressure and temperature, optional devices.

FEATURE

- Pressure vessel based on ASME
- Optional gas line depending on required gas
- Customized service

certification



Industrial scale & Customized pressure vessel









Consult with a staff in charge for applications

Reactor for reaction or special purpose

Wide rage of material and optional close method for the use of environment in industries of chemical and pharmaceuticals, other.

Model	Method of Contract	Temperature	Pressure	Seal Type	Agitation
CV Series Cap Closure Type		200 ℃	100 bar	O-ring	Х
BV Series Bolt Closure Type		350 ℃	300 bar	O-ring / Teflon / Metal	O/X
CVB Series Cap Closure Bolt Type		200 ℃	100 bar	Surface	Х
VC Series	View Cell	100 ℃	200 bar	Urethane / O-ring / Teflon	O/X

CV TYPE (Cap Closure Pressure Vessel)

- Easy to open and close cover
- 2 Mainly small-sized, for chemical experiments





CVB TYPE (Cap Closure Bolt Pressure Vessel)

- Mainly for chemical experiments
- 2 Easy assembly





BV TYPE (Bolt Closure Pressure Vessel)

- Basic type
- Sealed by bolts(screws)
- 3 Easy to make tubing and ports





PCV TYPE (Plug Closure Pressure Vessel)

- 1 Metal plug and vessel sealed with cap or bolt
- Usable higher pressure and temperature due to non-sealing





VC TYPE (View Cell Pressure Vessel)

- View cell
- 2 Usable at high pressure due to special glass





PIV TYPE (Pin Closure Pressure Vessel)

- Pin closure type
- 2 Available max. up to 6,000 bar





SV TYPE(Self Sealing Closure Pressure Vessel)

- Self sealing type
- 2 350 ~ 600 bar capable





TV TYPE (Cone Thread Tubing Type Pressure Vessel)

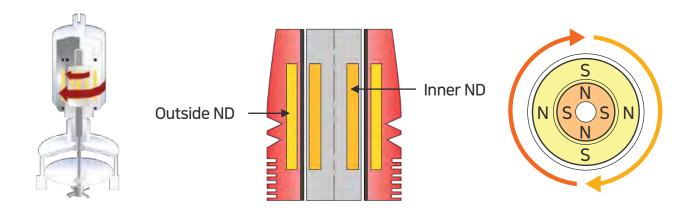
- 1 Manufacturable volume 2~81ml
- 2 For precise experiments



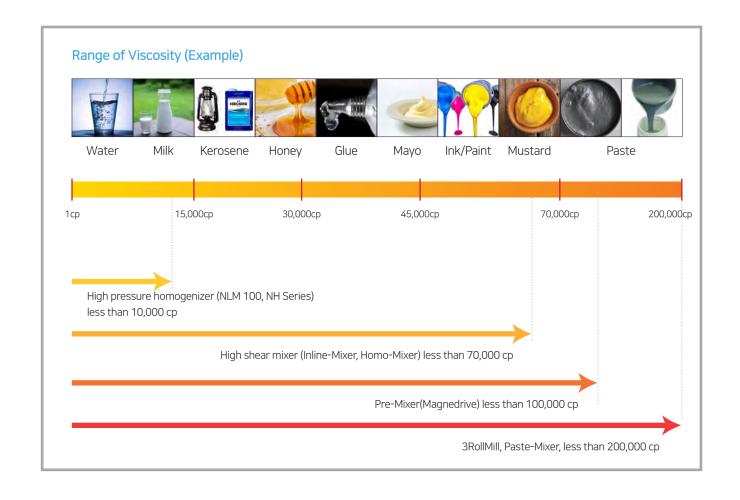


Agitator

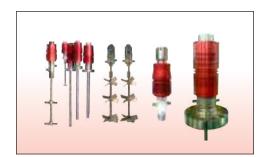
ILSHIN AUTOCLAVE is providing many different size of pressure vessel. Depending on application and customer's requirement, it's available many different size with high pressure and temperature, optional devices.



Series	Pressure	Shaft Dia	Туре
MDB Series	1,000 ~ 8,000 psi	Φ 5~50	Thread / Flange Type
MDD Series	1,000 ~ 8,000 psi	Φ 5~50	Thread / Flange Type



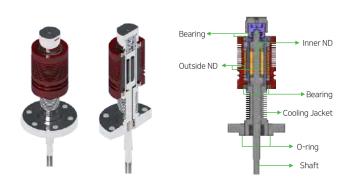
MDB Series



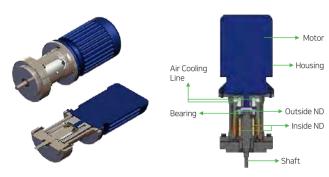
MDD Series





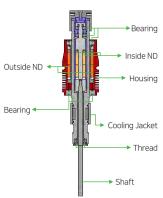


MDD - Flange Type

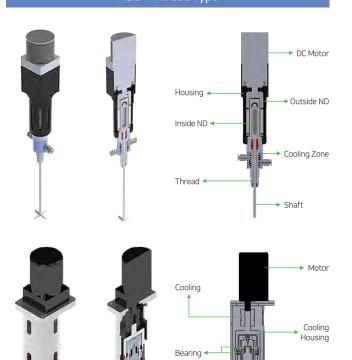


MDB - Thread Type





MDD - Thread Type



Cooling Housing → Outside ND → Inside ND

→ Thread

High Pressure Reactor _____

It has diverse applications which are hydrothermal and decomposition, sublimation, extraction in laboratory by high pressure and temperature with various optional device.



FEATURE

- Pressure vessel based on ASME
- Various size and pressure & temperature
- Various optional device for easy maintenance
 Agitator, upload / lift system, etc...

CERTIFICATION





















Reaction System with Continuous Operation



Pilot plant and Mass-Production
Reactor

Guide of Option







Belt type / Motor assemble type



Immersion heater



Ceramic band heater / Mold heater



Jacket type



Insulated cover





Clamp type



Electric hoist



Body cylinder



Ball screw



Pneumatic cylinder for lifting cover

ETC

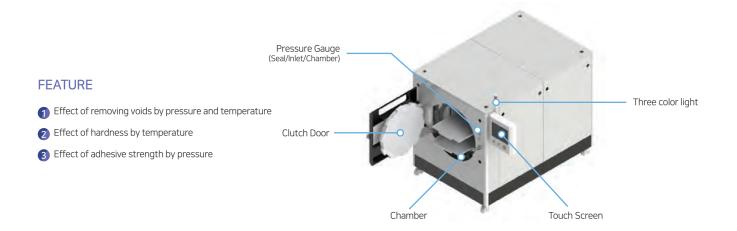


Touch screen with USB port



Cooling coil option

It has application for lamination and to remove voids both layers in industries of touch panel and LCD, PDP, Semi conductor









Part of System

Main O-ring



To seal cover

Heater and cooling coil



Heating & Cooling

Fan and Motor



Internal air circulation

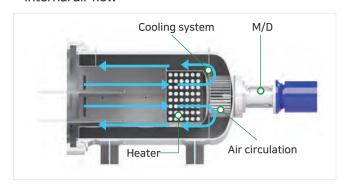


To pressurize the vessel

Main O-ring



Internal air flow



Uniformity: +/-3deg C

Award for safety







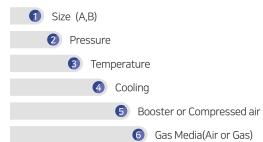
Booster



- Compacted size
- 2 Reasonable price
- 3 Durability

CONSIDERATION TO ORDER



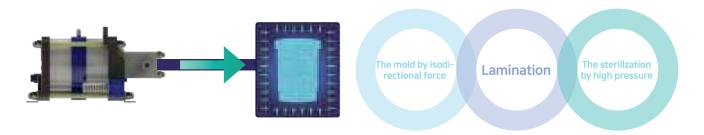


Isostatic Press

It has the technology of isodirectional force with solvent liquid inside pressure vessel by high pressure.

There are applications of lamination in electronic industry and sterilization in food industry, etc...

It has many different high pressure depending on application of metal for mining process, electrical parts, food.



FEATURE

Engineering Technology Competitiveness Convenience 1 Customized system (Size, operating process) 2 Wire Wounding 2 Rapid response 2 Easy maintenance





CIP Series Cold Isostatic Press macromolecule, ceramic, metal, carbon, etc...

WIP Series Warm Isostatic Press MLCC, LTCC, Multi Other Chips



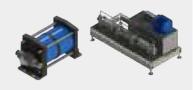
1 Pressure: ~1,000 bar

2 Temperature: RT ~ 80°C

3 Volume: ~ Custom

4 Air Driven Liquid Pump / Hydraulic Pump

- 5 O-ring / U-packing / Energizer Seal
- 6 CIP/WIP





1 Pressure: ~4,000 bar & Custom

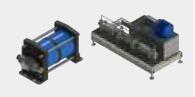
2 Temperature: RT ~ 120℃

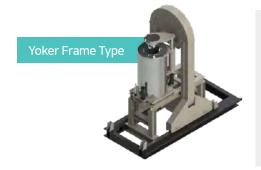
3 Volume: ~ 100 & Custom

4 Air Driven Pump / Hydraulic Pump

5 O-ring / U-packing

6 CIP/WIP/HPP





- 1 Pressure : ~ 6,000 bar
- 2 Temperature: ~ RT
- 3 Volume: ~ 550 l & Custom
- 4 Hydraulic Pump
- 6 O-ring Seal / U-packing / Energizer Seal
- 6 CIP / HPP (Wire Wounding)



Model	Pressure	Internal Diameter	Working Media	Temperature
CIP Series	~ 6,000 kg/cm²	Custom	Oil/Water	RT
WIP Series	~ 2,000 kg/cm²	Custom	Oil/Water	50 ~ 120℃

Hippo HPP High Pressure Processing

A technology used to compress products packaged at high pressure of 3,000 to 6,000 bar using water. In the safest and most efficient way to increase the shelf life of food, many food companies strive to introduce HPP technology to provide consumers with higher quality products.



Ultra high pressure process progress

FE	ATURE				
	Technology		Competitiveness		Advantage
0	Design according to ASME, SEL	1	Reasonable price	1	Inactivate microbes / enzymes increase shelf life
2	Wire winding technology and facilities combined	2	Rapid response	2	Through a non-heat process maintenance of fresh quality
				3	In finished product condition with sterilization treatment secondary pollution prevention
				4	Flavor and aroma unique to raw materials nutrient retention
				5	Through pressure control microbial activity inhibition
				6	Short process time and simple enough to handle

Hippo HPP (High Pressure Processing)



- 1. The hydraulic piston consists of the driving part and the high pressure part. The hydraulic piston of the driving part is formed through straight back and forth motion, and the cross sectional ratio with the high pressure unit causes ultra high pressure.
- $2. \, {\sf Development} \, {\sf of} \, {\sf a} \, {\sf self-sealing} \, {\sf system} \, {\sf with} \, {\sf durability} \, {\sf and} \, {\sf reliability} \, {\sf with} \, {\sf an} \, {\sf electric} \, {\sf motor-driven} \, {\sf hydraulic} \, {\sf system}.$
- 3. Maximum service pressure 6,000 bar (600 Mpa), maximum pump discharge flow is implemented
- 4. Minimized application of noise and vibration phenomena due to pulsation phenomena
- 5. Affiliate business create your own company



Mini HiPPo

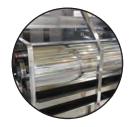
Volume	Inner Diameter	Length	Pressure	Temperature	Total Electric Power	Lay-Out	Weight
0.3 l	54	150	6,000 bar (600Mpa)	10~35℃	2kw	590*780*1,645	0.6 ton

Small HiPPo

Vo	lume	Inner Diameter	Length	Pressure	Temperature	Pump	Cycle Time	Production Capacity	Required Air	Lay-Out	Weight
2	20 6	160	1,000	6,000 bar (600MPa)	10~35℃	1intensifiers 1unit(30kw)	3minutes Holding 7~8/Hour	12L/Cycle	7 bar	5,000*1,950*1,700	8 ton
5	50 l	200	1,600	6,000 bar (600MPa)	10~35℃	1intensifiers 1unit(50kw)	3minutes Holding 7~8/Hour	30L/Cycle	7 bar	5,800*2,450*2,000	15 ton







Pressure Vessel



Basket

Large HiPPo

Volume	Inner Diameter	Length	Pressure	Temperature	Pump	Cycle Time	Production Capacity	Required Air	Lay-Out	Weight
100 l	300	1,420	6,000 bar (600MPa)	10~35℃	2intensifiers 1unit(100kw)	3minutes Holding 7~8/Hour	65L/Cycle	7 bar	6,400*3,350*2,300	25 ton
150 ℓ	300	2,130	6,000 bar (600MPa)	10~35℃	2intensifiers 4intensifiers 1unit(150kw)	3minutes Holding 7~8/Hour	100L/Cycle	7 bar	6,600*3,350*2,400	30 ton
350 l	380	3,090	6,000 bar (600MPa)	10~35℃	4intensifiers 6intensifiers 2unit(350kw)	3minutes Holding 7~8/Hour	230L/Cycle	7 bar	12,000*8,000*2,800	65 ton
450 l	380	3,970	6,000 bar (600MPa)	10~35℃	8intensifiers 4unit(500kw)	3minutes Holding 7~8/Hour	315L/Cycle	7 bar	13,800*8,000*4,000	80 ton
550 (420	3,980	6,000 bar (600MPa)	10~35℃	8intensifiers 10intensifiers 4unit(600kw)	3minutes Holding 7~8/Hour	380L/Cycle	7 bar	15,000*8,000*5,000	100 ton

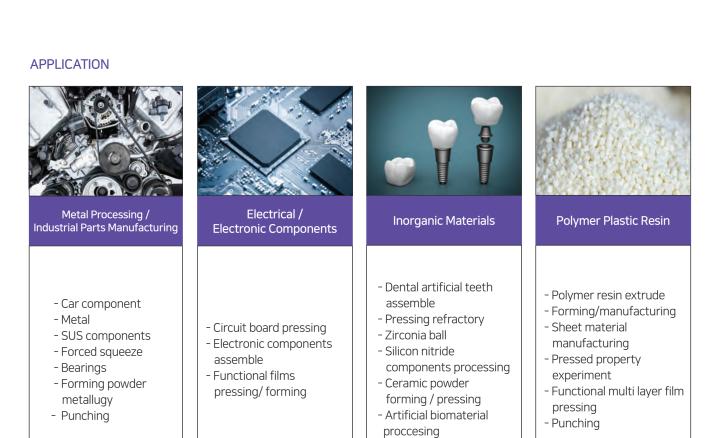
Hydraulic Press

Hydraulic Press can be processed materials into the desired shape by customer. It is order-made machine.

Pressure Gauge Hydraulic Cylinder High Pressure Tube & Fitting Hand Pump Stand

FEATURE

Engineering Competitiveness Convenience 1 Consulting for end-user's needs 1 Meet customer's needs 2 Customizing for end-user's requirement 2 Rapid response 3 Estabilshed manufacturing system 3 Easy maintenance



WP (Work Plate Press)

Maximum 30 tons load



HP (Hot Plate Press)

Temperature processing added



Feature

- 1 ~ 30 ton
- 2 Max 300°c
- 3 Hand pump (manual)
- 4 Hydraulic speed automatic valve (auto)

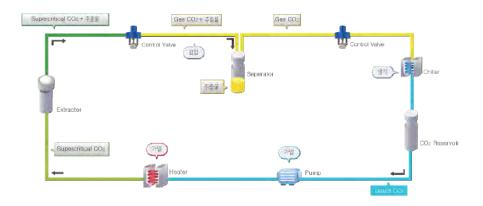
Accurate control

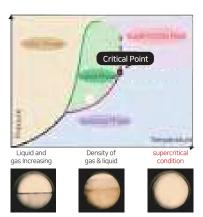
- 1 Hand pump (manual)
- 2 High precision (0.5%) pressure gauge

	Custo	mized	Stan	dard
Model	Work Plate Press	Hot Plate Press	Work Plate Press	Hot Plate Press
Plate Size	Customized	Customized	200 X 200	200 X 200
Max.Load	Max.Load ~ 30 ton		5T / 15T	5T / 15T
Cylinder Type	Single Spring Return Type Multi Type	Single Spring Return Type Multi Type	Single Spring Return Type Multi Type	Single Spring Return Type Multi Type
Cylinder Stroke	Single 200mm Multi 200mm or more			
Max. Pressure ∼ 500kg/cm²		~ 500kg/cm²	~ 500kg/cm²	~ 500kg/cm²
Max. Temperature	-	~ 300℃	-	~ 300°C

Supercritical Carbon Dioxide Fluid System

It has application of extraction and drying system by technology of supercritical point with carbon dioxide.





FEATURE

- 1 Pressure vessel based on ASME
- 2 Eco-friendly
- 3 For high quality production



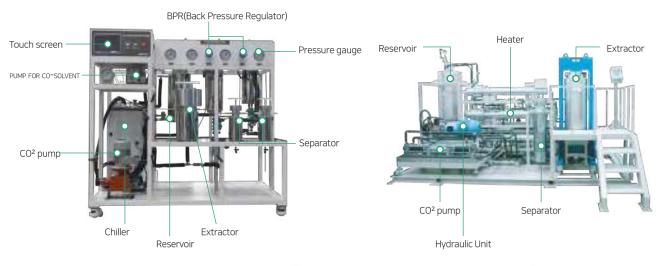








Supercritical Fluid Extraction









[Scale]

[C-Clamp Type]

[Yoke Frame Type]













- Main pressure vessel for extraction with supercritical condition
- Yoke, clamp close/open type
- Operated by hydraulic unit
- Process to break supercritical condition.
- To get extract yield

• For storage/recycle of CO2 in liquid

Condenser

Cooling device to make CO2 to liquid

High pressure pump

High pressure pump system of intensifier type by hydraulic unit

Pre heater



Heating device to make temperature for supercritical condition

Supercritical Carbon Dioxide Fluid System

Supercritical Fluid Extraction



To extract the sesame oil

Extractor: 2,300 & X 3Uints Working Pressure: 450bar



Residual solvent removal

Extractor: 100 @ X 2 Uints [horizontality]

Working Pressure: 250bar



To de-grease the pernicious ingredients and oil extraction

Extractor: 600 @ X 2Uints Working Pressure: 460 bar



Multipurpose extraction test production

Extractor: 400 & X 2 Uints Working Pressure: 700 bar

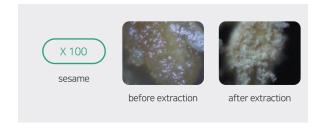
Volume	Max. Pressure	Max. Temperature	Raw Material Phase
0.3 l			
0.5 l			
1 0			
2 0			
5 0	500bar	208	Solid & Liquid
10 @			
20 ℓ			
50 ℓ			
Plant			

Test service

	cond			
product	pressure	temperature	extract yield	
sesame			40%	
corn germ seed	300 ~ 500bar		35%	
soybean		40 ~ 60℃	15%	
rape blossoms seeds	300 ~ 450bar		25%	
sunflower seeds			34%	
paprika	200 ~ 400bar	40 ~ 50℃	6%	
castor	400 ~ 500bar	/0 60°C	25%	
grape seeds	300 ~ 500bar	40 ~ 60℃	8%	
red pepper seed	400 ~ 500bar	50 ~ 60℃	20%	
coffee	200 ~ 350bar	40 ~ 60℃	7%	
green tea	200 ~ 350bai	40~600	cosolvents	
iris	100 ~ 300bar	40 ~ 50℃	6%	
medicinal herbs	200 ~ 350bar	40 ~ 60℃	cosolvents	
rice bran	400 ~ 500bar	55 ~ 60℃	10%	
Raspberry	300 ~ 400bar	50 ~ 60℃	15%	
turmeric	350 ~ 400bar	55 ~ 60℃	10%	
citron	200 ~ 350bar	45 ~ 50℃	incense component	
yolk	300 ~ 400bar		30%	
fish oil	150 ~ 200bar	40 ~ 60℃		
camellia oil	200 ~ 300bar		deodorization	
bija	300 ~ 500bar	50 ~ 60℃	20%	

To extract oil

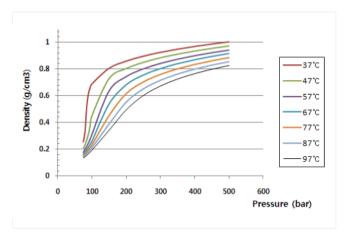




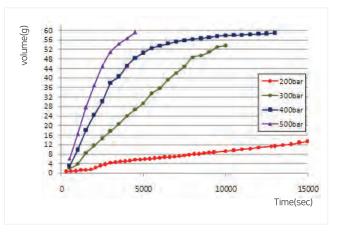
To extract element



The graph of density depending on pressure and temperature



The graph of extract speed depending on pressure



Supercritical Water

Supercritical fluid process with water for hydration / hydrothermal synthesis.

FEATURE

- 1 Rapid reaction rate
- 2 No pollutant
- 3 Complete oxidation
- 4 Readily precipitate / separate
- 5 Property change from critical point at above 374 degC, 221 bar
- 6 Excellent solvency

Supercritical water hydrothermal synthesis system

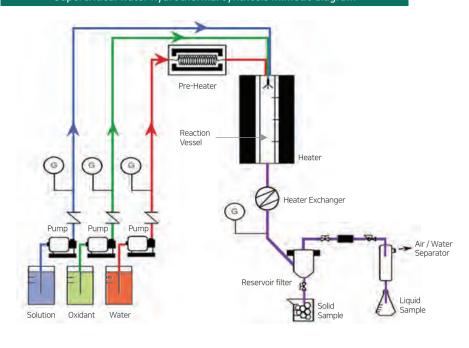
Production scale for chemical / materials







Supercritical water hydrothermal synthesis mimetic diagram



Supercritical water hydrothermal synthesis application

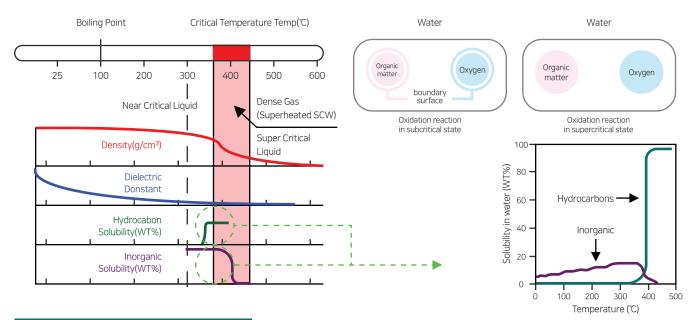
- 1 an abradant(SiO₂, TiO₂)
- 2 cosmetics(ZnO, TiO₂)
- 3 catalyst(CeO₂)
- 4 jewelry(PE,Pd)
- 6 optical device
- 6 magnetism

Supercritical water oxidation Decomposition application

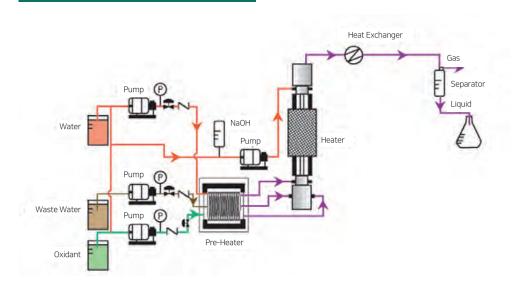


Physical Properties of Water by Temperature

Solubility Graph in Supercritical Water State



Supercritical water oxidation mimetic diagram

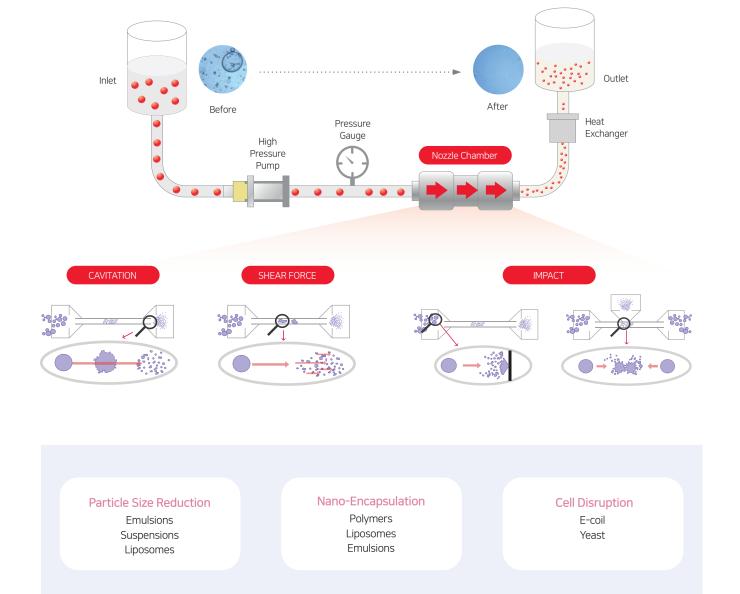


Supercritical water oxidation application

- Non-degradable wastewater
- 2 Radiation waste
- 3 Chemical weapons waste
- 4 Pulp factory wastewater

High Pressure Homogenizer

Nano Disperser make dispersion of particle passing through the nozzle chamber with ultra high pressure and there are force of impact, cavitation and share stress in the nozzle chamber. It used in applications of chemical, food, cosmetics, petroleum and paints.



X Consult with a staff in charge regarding various applications

Nano Disperser(NLM 100)



Operating	Max. 1,500bar
Flow Rate	Max. 100ml/min
Pump System	Motor Driven Type [220VAC, 1PH, 60 Hz, 1HP]
Inlet Reservoir	500ml
Dimension	583(D) x 576(W) x 435(H)mm
Weight	Approx. 45kg

Flow Rate	Max Pressure	Interaction	n Chamber
Flow Rate		Size	Type
100ml/min	Max. 1,500bar	75um	Z Type







Air vent valve



Adjustable pressure by motor speed



Cooling tank after process

Nano Disperser(NH 500)



Operating	Max. 1,500bar
Flow Rate	Max. 500ml/min
Pump System	Hydraulic Unit System
Inlet Reservoir	2,000ml
Dimension	800(D) x 850(W) x 1,500(H)mm
Weight	Approx. 800kg

Flow Poto	Mass Duages una	Note May Dynasiyya	Interaction	Interaction Chamber	
Flow Rate Max Pressure	Size	Type			
500ml/min	Max. 1,500bar	100um	Z Type		

*flow rate : water



Easy to remove clogging by back-flushing



Cooling system



Cases for safety

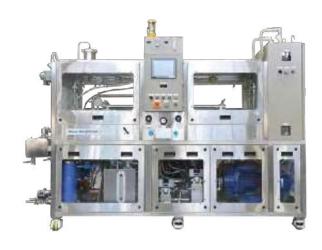


Pressure adjustable

High Pressure Homogenizer

Nano Disperser NH 2000, NH 4000, NH 8000





NH 2000

NH 8000





NILL 4000

Nano-disperser special type

Series	Flow Rate	Max Pressure	Interaction Chamber	
Selles	1 low Nate		Size	Туре
NH 2000	2,000 ml/min	1,500bar	100,400um	Z/Y Type
NH 4000	4,000 ml/min	1,500bar	100,400um	Z/Y Type
NH 8000	8,000 ml/min	1,500bar	100,400um	Z/Y Type



Cooling tank



Monitor and alarm System

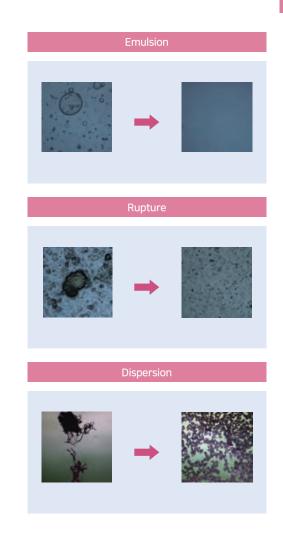


Cooling line on high pressure part



Easy to remove clogging by back-flushing

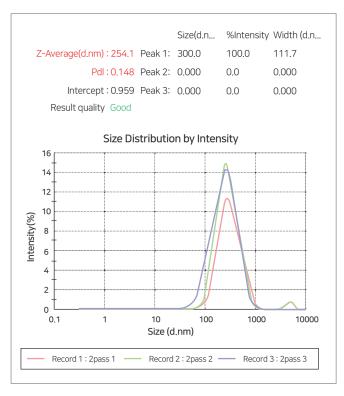
Product	Effect
milk	dispersion
soybean milk	homogeneization
CNT	dispersion
water+oil	suavity
CERAMIC(Si)	dispersion
TiO₃	crushed
graphite (carbon)	crushed
CeO₃	dispersion
cosmetics raw materials	suavity
Pigment	dispersion
a high molecule substance	crushed
Al203	dispersion



BEFORE

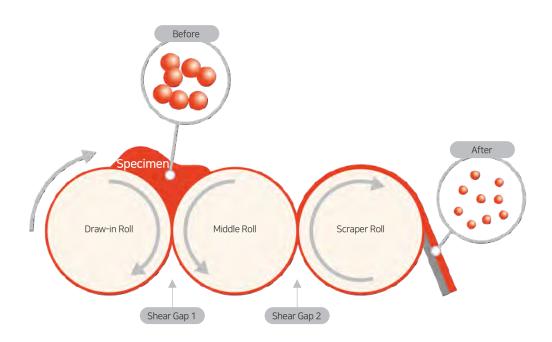
Size(d.n... %Intensity Width (d.n... Z-Average(d.nm): 1258 Peak 1: 1094 98.2 251.7 Pdl: 0.419 Peak 2: 5560 1.8 0.000 Intercept: 0.966 Peak 3: 0.000 0.0 0100010 Result quality Refer to quality report Size Distribution by Intensity 25 20 15 Intensity(%) 10 5 0.1 1000 10000 Size (d.nm) Record 4: pass 1 Record 5: pass 2 Record 6: pass 3

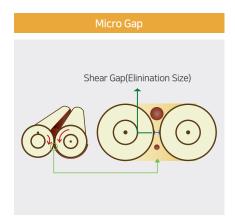
AFTER

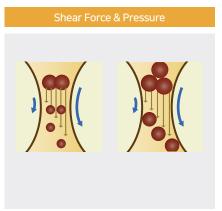


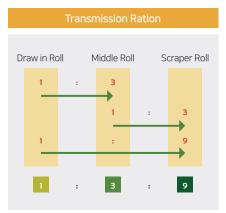
Three Roll Mill

Three roll mill is a machine that uses shear force created by three horizontally positioned rolls rotating in opposite directions and different speeds relative to each other, in order to mix, refine, disperse or homogenize viscous materials fed into it.









FEATURE



2 Materials of roll

3 Heating/Cooling system

4 Adjustable micro gap

6 Adjustable speed

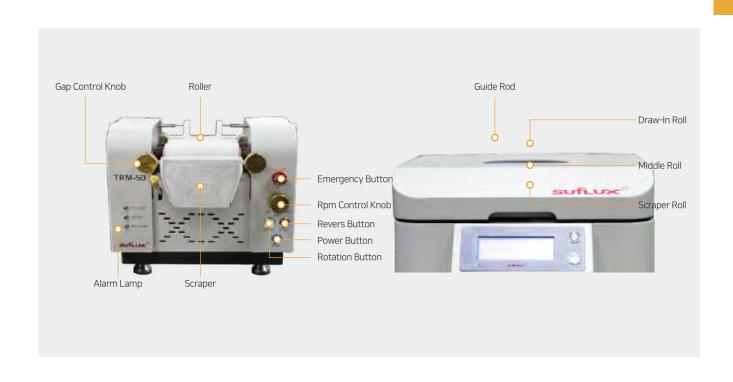
Minimized noise and vibration

Stainless steel / Ceramic / Alloy steel

Quick response

Easy to use

Cheap



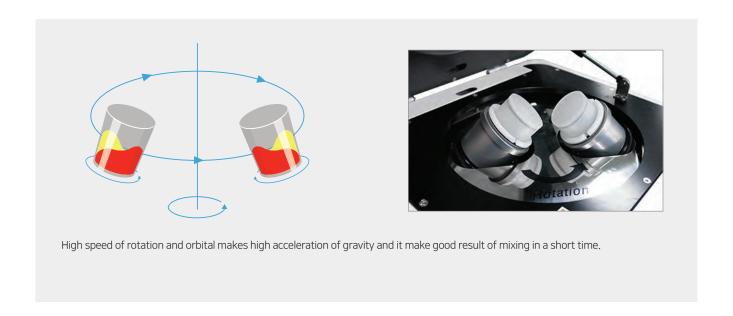


Specification

Model	TRM 50	TRM 80
Roll Size(mm)	Ф50 х 150	Ф80 х 250
Roll Speed(rpm)	Max 530 : 210 : 85	Max 600 : 200 : 67
Roll Ratio	1:2.5:6.25	1:3:9
Throughput (LPH)	0.2 ~ 6	0.5 ~ 12
Gap (Micron)	10um ~ 1mm	10um ~ 1mm
Size (W x D x H)	340 x 290 x 300	550 x 450 x 600
Weight (Kg)	20	65
Electrical Power	220V, 180W	220V, 750W

Paste Mixer

Paste mixer is used for mixing wide range of viscosity without agitator and it has high speed of rotation and orbital as same time which it make good a result of homogenization and mixing.





FEATURE

- Wide range of viscosity
- No agitator
- 3 Compacted size
- 4 Easy control system and operation
- Mounted electronic scale(optional)

Lab Scale

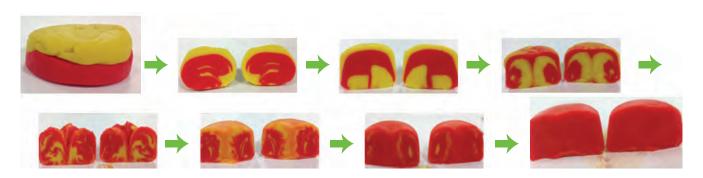


Comparing with agitator and paste mixer

EPOXY RESIN + CaCO₃ Particle



SAMPLE TEST

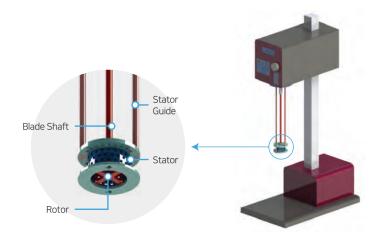


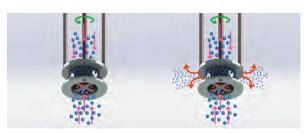
Specification

	PM-370D	PM-500D
Mixing Volume	370ml x 2Bottles	500ml x 2Bottles
Acceleration of gravity(G)	136	150
Orbital speed rpm	Max	500
Rotation speed rpm	Max 1,000	
Time Setting	Osec ~ 99min	
Weight(kg)	25	30
Dimension(W x D x H)	320 x 412 x 135	460 x 525 x 520
Operating Conditions	5~35°C, 35~85% RH (Without Condensationals)	
Power Supply	220V AC, 1-Phase, 50/60 Hz	
Safety Interlocks	Door / Vibration / Rotation Sensor, Emergency Stop Swich	

High Shear Homo-Mixer

High shear homo-mixer is driven by high speed motor(Max. 8,000rpm) and it's a specially designed nozzle and this precision machined nozzle offers great versatility by allowing and machine to perform a wide range of mixing operation.



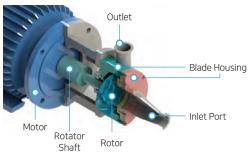


High Shear Inline Mixer

Depending on customer's application, it's providing diverse system.





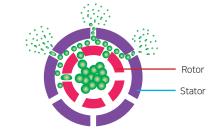


FLOW DIRECTION









Super High Shear Inline Mixer

Ultra high shear nozzle makes highest shear force and highest cavitation by consisting multi-stage nozzle.

Type





precise stator as fineness holes suitable for emulsion application





Chamber Type

arched rotator and stator suitable for emulsion/homogenization/dispersion





Nozzle Type

precise stator as fineness holes suitable for emulsion application

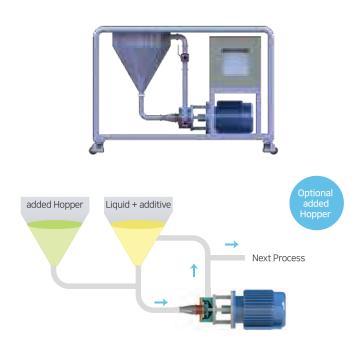


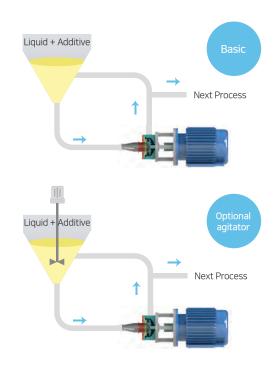


Cone Type

cylindrical shape of rotator suitable for emulsion/homogenization/dispersion

System type









Supercritical CO₂ Extraction System

Year/Month: 2006/06Client: OTTUGI

Purpose : Sesame Oil Extraction

Spec : 400bar, 80℃





Supercritical Hydrothermal Synthesis System

Year/Month: 2009/10Client: LG CHEMICAL

Purpose: Nano Powder Production

■ Spec: 400bar, 450°C





Pressure Vessel

Year/Month: 2012/10

Client : KIMM

Purpose : Performance Test Loop System

■ Spec: 160bar, 345°C





Control Element Drive Mechanism (CEDM)

Year/Month: 2008/10Client: DOOSAN

Purpose : Performance Test Loop System

■ Spec: 160bar, 345°C







Hydrogenation Catalyst Process System

Year/Month: 2013/01Client: NEUROPID

Purpose : High Added-Value Powder Production

■ Spec: 200bar, 80°C





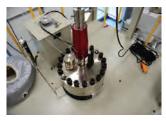
Hydrothermal Carbonization Process System

Year/Month: 2014/05Client: S Chemical company

Purpose : High Temperature Cabonization

■ Spec: 100bar, 260°C





Hydrothermal Synthesis Synthetic Resins System

Year/Month: 2015/01
Client: SOGANG UNIVERSITY
Purpose: Synthesis Synthetic Resin

Spec : 100bar, 260℃

In order to make requirement and satisfaction to customers, engineers in R&D team are providing the test service always.





Supercritical Carbon Dioxide Extraction System

Extractor	500bar/80℃ (300ml)
Seperator 1,2	100bar / 80℃
CO ₂ Flow Rate	70ml / min
Co-Solvent Flow Rate	Max. 24 ml /min

- 1 Oil and fat component extraction
- 2 Effective component separation
- 3 Supercritical Schaumbildung / drying / grease removing



Isostatic Press

Max. Operating Pressure	6000bar
Temperature	RT ~ 80°C
Max. Flow Rate	I,.D 50mm X I.L200mm
Volume	300ml

- Resizing Process
- 2 Laminated molding
- 3 High pressure food processing process



High Pressure Reactor

Max. Operating Pressure	200bar
Temperature	230°C
Size(Volume)	I.D 60mm X I.L 170 mm
Туре	Stirred Type

- 1 Hydrothermal synthesis
- 2 Reaction process
- 3 Chemical reaction



High Pressure Homogenizer (Nano Disperser)

Max. Operating Pressure	1,500bar
Max. Flow Rate	100ml / min
Pump System	Motor Driven Type

- 1 Wet Corrosion Dispersion
- 2 Emulsion



Three Roll Mill

Max. Operating Pressure	Ф50 X 150L
Power	220VAC
Roller Materials	Alumina, Stainless Steel
Ratio	3.6 : 1.8 :1

- Particle dispersion
- 2 Dispersion and mixing



Paste Mixer

Capacity	700g X 2cup
Rotation	Rotation 2,000rpm / Revolution 1,000rpm
Cup Volume	500ml
Power	220VAC, 300W

- High viscosity material Mixing
- 2 Agitation and Defoamation





Hopper Capacity	40 ℓ
Flow Rate	4,000 l /hr(3,500rpm)
Motor	5HP(최대 3,500rpm)

- 1 Mixing and Emulsion
- 2 Dispersion and Homogenization
- 3 Agitation

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