Industrial Dehydrator

JUNGDO

FILTER PRESS & BELT PRESS

JUNGDO

OVER **VIEW**

JUNGDO Co., Ltd. through our motto of honesty, is a company that specializes in making Filter Press Belt Press, and other encironmental and production equipment and facilities that customer neesd, JUNGDO CO,. Ltd. is an engineering company with 20years of experience and know-hows also equipped with
highly innovative technology research faciliries in order decelop and produce the best products always for its
costomers. Not only do we produce products of high quality and efficiency compared to other companies, we also
have passed and have veen acknowledged of our quality by the top companies in Korea such as SAMSUNG, POSCO, LG, GS, KAIST, RIST
and so on.
Through great customer satisfaction levels achieved in Korea, we are also now exporting abroad. Furthermore, with putting great efforts in constant resesrch and development in order to raise our quality, we now own seceral authorized patents that enables us to gradually increase
our deredd of technical perfection

Another strength is the rapidness of our A/S. From maintenance issues to technical malfunctions, we run through a system that enables us to quickly solve the problems, This was made possible by JUNGDO Co., Ltd. ‘s philosolhy of listening to irs customer’s voices.
here at JUNGDO Co,. Ltd. wd also have on-site testing available for those customers who are interested to see the products and their cariarions themselves.
JUNGDO Co., Ltd are a campany that does rest on its laurels but all the more puts great effort always to innovate in order to products that customer can alwys be satisfies of.

“Cleaner world! Advanced Technology!”
We further at JUNGDO Co., Ltd. are ready to lead you.

JUNGDO Co., Ltd.
CEO 한 상 윤

COMPANY **INTRODUCE**

2003
- Established Jung Do Engineering

2005
- Jung do Engineering Corporation reconversion
- Vegetable by-product processing machine development(Belt press application)
- Patented utility model application for vegetable by-product processing machine

2006
- Utility model registration
- Patent registration for Vegetable by-product processing machine

2007
- An exclusive contract with C&B VINA(in Vietnam)
- Design application for filter press with plate carrier
- Patent application for filter press with plate carrier

2008
- Transferred to newly built factory at current location
- Factory register
- Design registration for filter press with plate carrier Venture business application

2009
- ISO 9001, ISO 14001 application
- Venture business registration
- ISO 9001, ISO 14001 registration
- Patent application for filter press with plate carrier

2011
- Korea Federation of Small and Medium Business
- authentication direct production attested acquisition

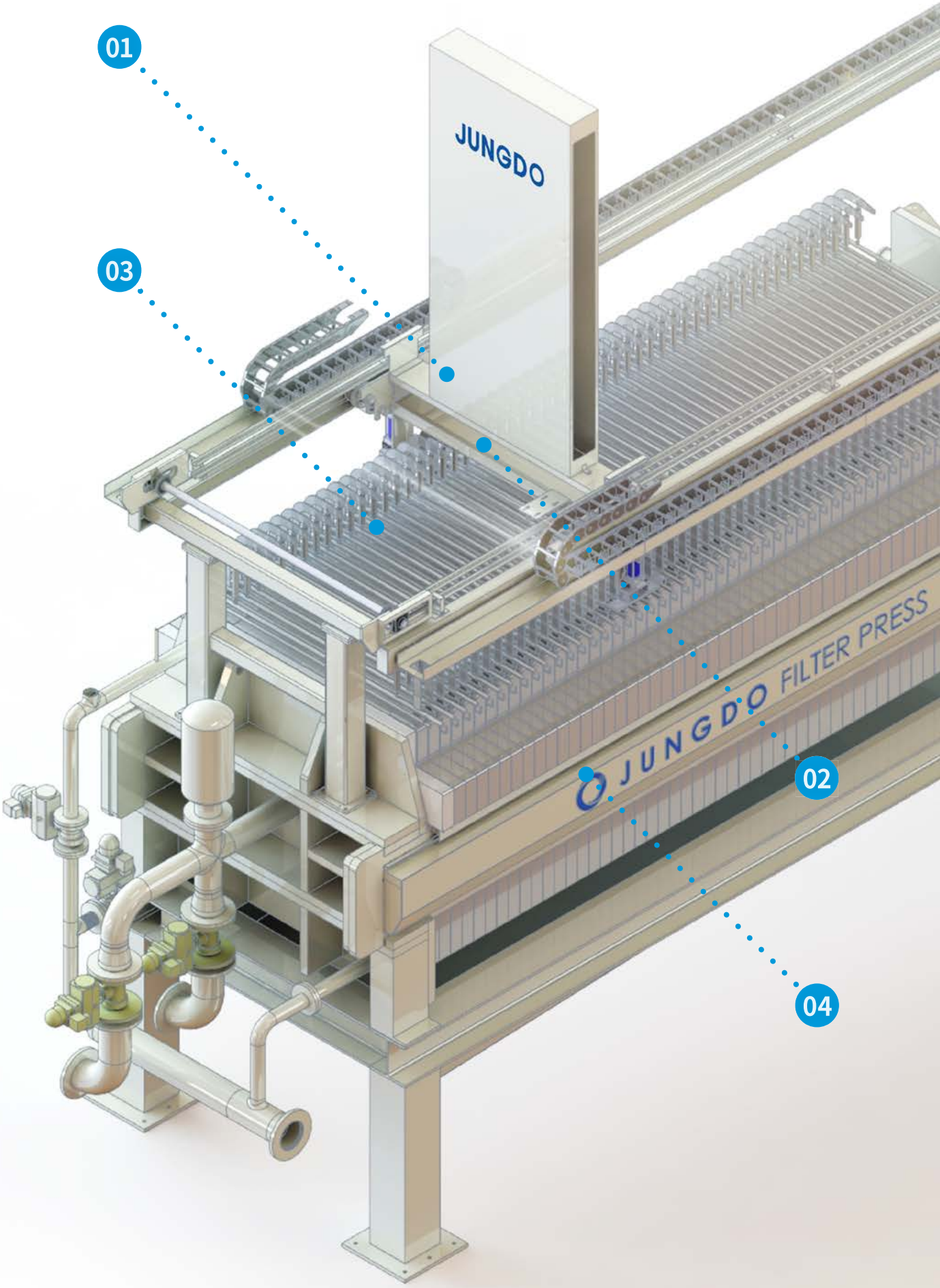
2012
- Circular design for measuring the pilot registration
- moisture sludge dewatering
- Sludge supply device patent application
- Earned certification laboratories attached enterprise
- authentication and Technology Development Association of Korean industry

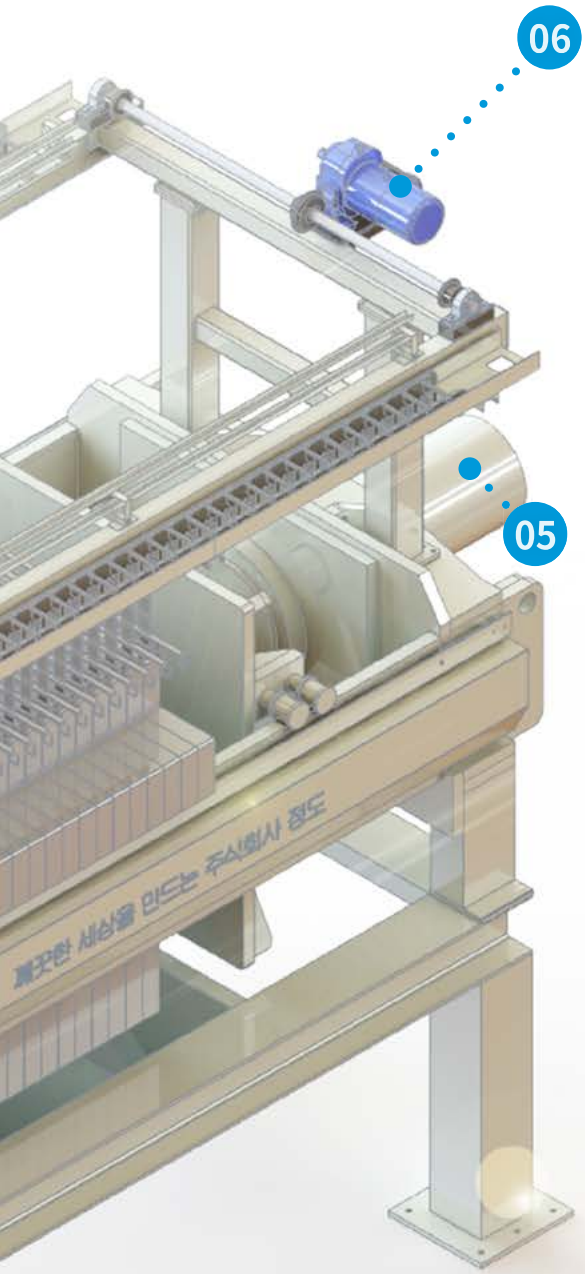
2014
- Waiting for patent registration tally bulk device-Waiting for laboratory dewatering device Patent Registration-Studies fireproof pressure switch, wait for patent registration

2015
- The company name changed "Jung Do"
- Jung Do - Office & Factory moved in the Goryeom industrial complex

2016
- Waiting for the network system patent registration
- Chinese version homepage preparation

2017
- Raise the better use of space Filter Press Autosystem.


01
03
JUNGDO
JUNGDO FILTER PRESS
02
04



FILTER **PRESS**

01 Auto Filter Cloth Washing Device

02 Auto Filter Plate Washing Nozzle

03 Auto Cake Separation Device

04 Filter Plate (Membrane, Recessed)

05 Hydraulic Cylinder

06 Driving Motor

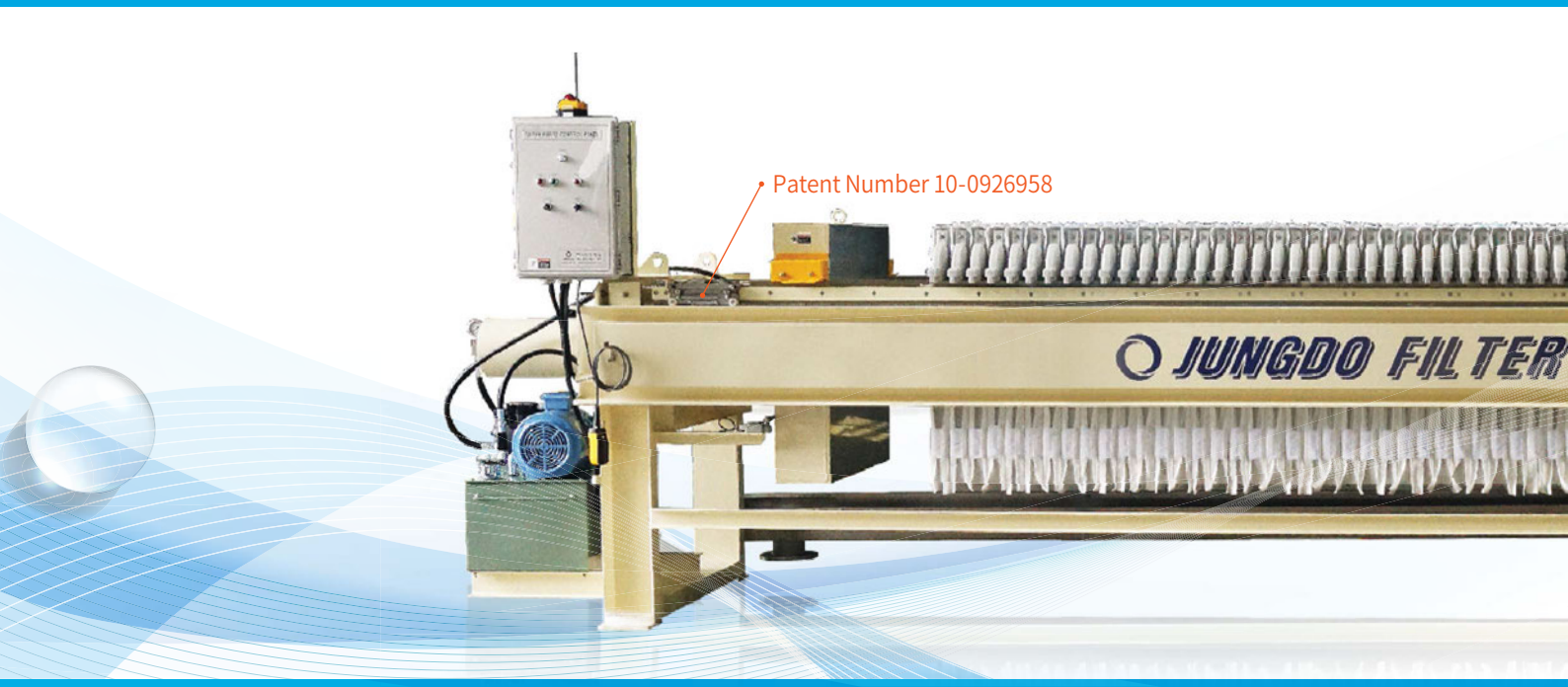
FILTER **PRESS**

Filter Press Parts

- Frame, filter plate(membrane, recessed), plate carrier, shifting pump, hydraulic cylinder and so forth.

Filter Press Process

- Filter press process consists of sludge put, filter plate squeezing, membrane squeezing, filter plate separation, cake discharge.



FILTER PRESS SPECIFICATION

Filter Plate		600				700						750			800		
Model		JF6 -0.6	JF6 -1	JF6 -2	JF6 -3	JF7 -4	JF7 -5	JF7 -6	JF-7 -7	JF-7 -8	JF7 -10	JF7.5 -10	JF7.5 -12	JF7.5 -15	JF8 -10	JF8 -12	JF8 -15
Number of Chamber		4	7	13	19	17	21	26	30	34	42	37	43	54	30	36	45
Chamber Volume(ℓ)		32	56	104	152	202.3	249.9	309.4	357	404.6	499.8	518	602	756	510	612	765
Filter Area(㎡)		2.16	3.78	7.02	10.26	13.6	16.8	20.8	24.0	27.2	33.6	33.6	39.1	49.1	27.3	32.7	40.9
Cake Thickness (㎜)		32				32						35			35		
Volume per Chamber(ℓ/ch)		8				11.9						14			17		
Area per Chamber(㎡/ch)		0.54				0.8						0.91			0.93		
Plate size(㎜)		600 x 600 x 52				700 x 700 x 57						750 x 750 x 60			800 x 800 x 65		
Dimension (㎜)	L	2,050	2,210	2,450	2,800	3,110	3,340	3,630	3,860	4,090	4,560	4,460	4,830	5,500	4,190	4,590	5,180
	W	1,150				1,290						1,330			1,370		
	H	1,500				1,600						1,700			1,700		

Filter Press Feature

- pump, plunger pump, Mono pump and so on.
- Widely applying scope.
- Operating cost's low
- Low the percentage of water content.
- Simple structure.

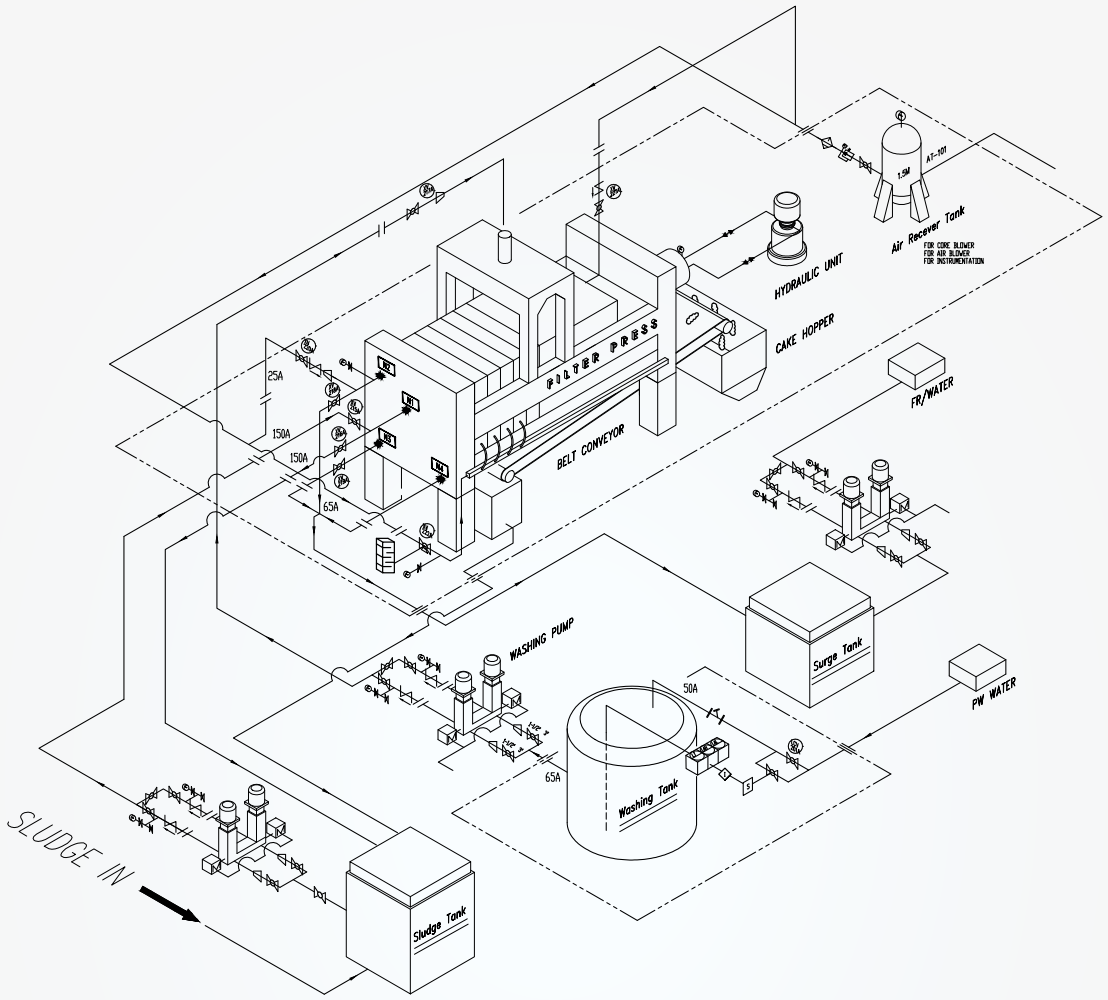
Filter Press Usage

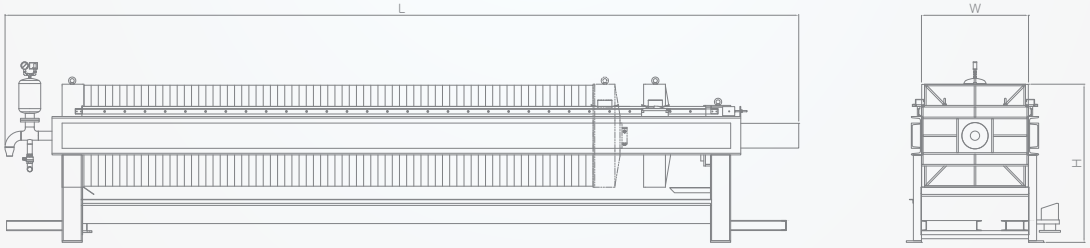
- Plating, metal surfacetreatment's sludge squeezing.
- Dyeing, printing waste water's sludge squeezing.
- Paper manufacture andsynthetic leather's sludge squeezing.
- Tofu, brewing, marine produc'ts sludge squeezing.
- Printing industry's sludge squeezing.
- All sorts of industrial waste water's sludge squeezing.

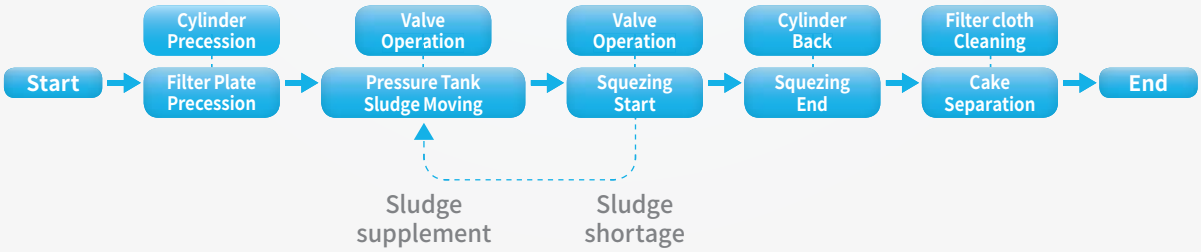
FILTER PRESS SPECIFICATION

Filter Plate		1000				1200				1500				2000			
Model		JF10-15	JF10-20	JF10-30	JF10-40	JF12 40	JF12 50	JF12 60	JF12 80	JF15 60	JF15 80	JF15 120	JF15 140	JF20 150	JF20 250	JF20 300	JF20 350
Number of Chamber		26	35	52	70	48	60	71	95	43	58	86	100	42	70	84	98
Chamber Volume(ℓ)		751.4	1.012	1.503	2.023	2.030	2.538	3.003	4.019	3.010	4.060	6.020	7.000	7.560	12.600	15.120	17.640
Filter Area(㎡)		42.6	57.4	85.2	114.8	96.4	120.6	142.7	191	151.4	204.2	302.7	352	256.2	427	512.4	597.8
Cake Thickness (㎜)		38				40				40				53			
Volume per Chamber(ℓ/ch)		28.9				42.3				70				180			
Area per Chamber(㎡/ch)		1.64				2.01				3.52				6.1			
Plate size(㎜)		1000 x 1000 x 70				1200 x 1200 x 75				1500 x 1500 x 82				2000 x 2000 x 96			
Dimen-sion (㎜)	L	4,690	5,330	6,540	7,820	6,980	7,890	8,730	10,550	7,840	9,080	11,400	12,570	8,490	11,210	12,560	13,920
	W	1,600				1,850				2,200				2,700			
	H	1,800				2,000				2,500				3,000			

FLOW **SHEET**


HYDRAULIC UNIT
Air Receiver Tank
FOR CORE BLOWER
FOR AIR BLOWER
FOR INSTRUMENTATION
CAKE HOPPER
FILTER PRESS
BELT CONVEYOR
FR/WATER
25A
150A
150A
65A
WASHING PUMP
Surge Tank
PW WATER
50A
65A
Washing Tank
SLUDGE IN
Sludge Tank


L
W
H


Start
Cylinder Precession
Filter Plate Precession
Valve Operation
Pressure Tank Sludge Moving
Valve Operation
Squezing Start
Cylinder Back
Squezing End
Filter cloth Cleaning
Cake Separation
End
Sludge supplement
Sludge shortage

SHOW **CASE**

1. Waste water




2. Food






SHOW **CASE**

3. Power Plant






4. Refine





SHOW **CASE**

5. Chemical Industry

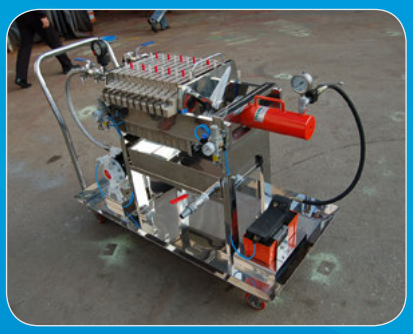


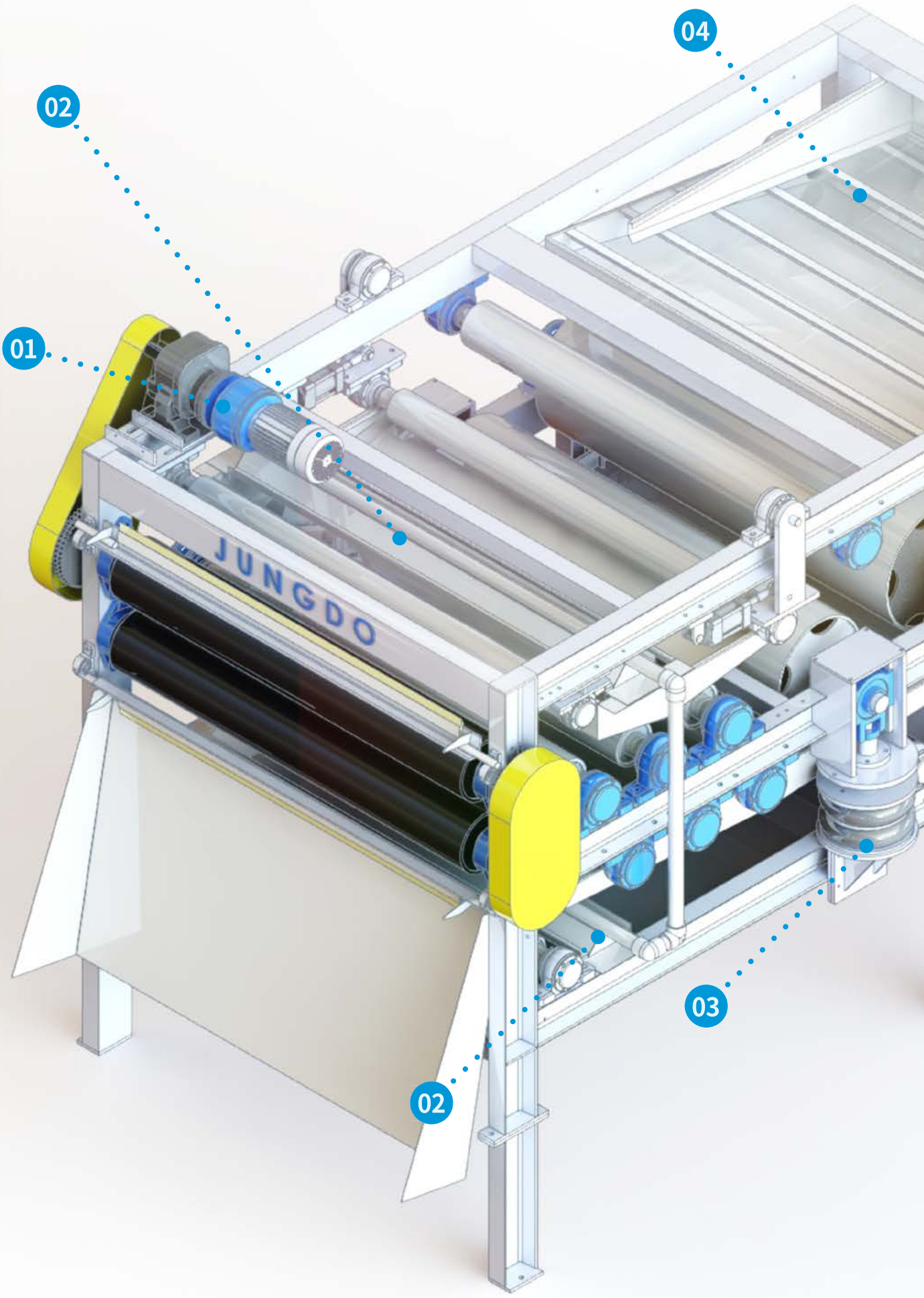


6. Removable & Pilot






04
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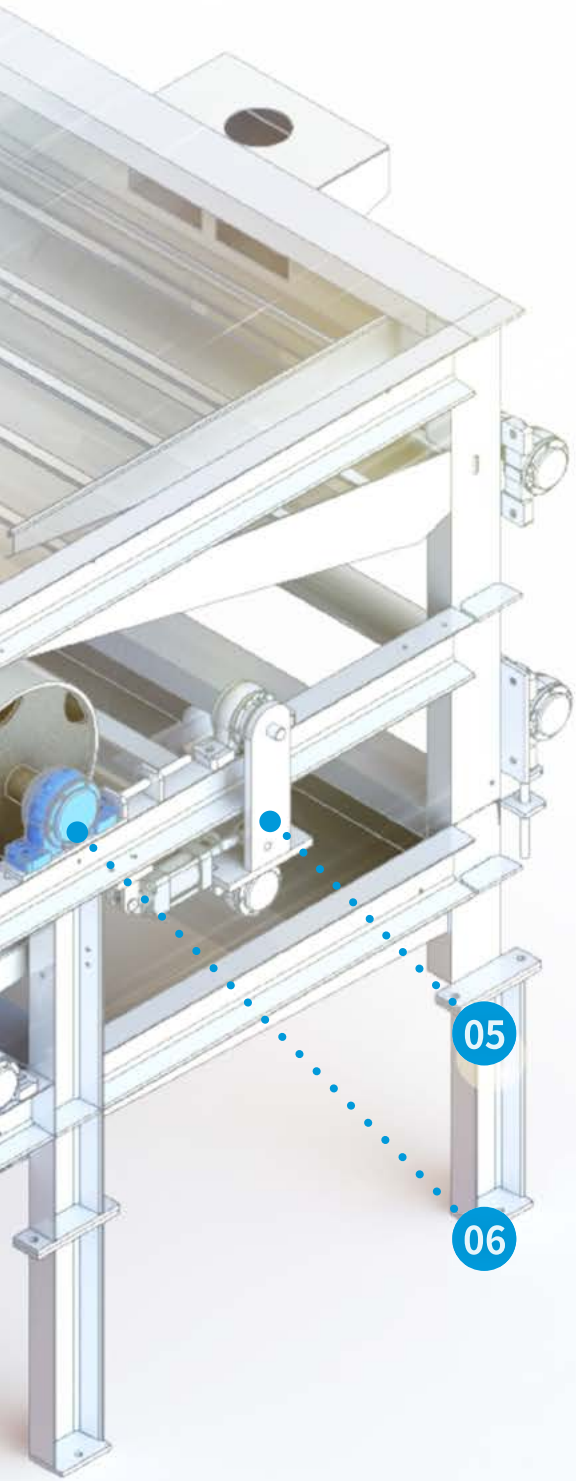
JUNGDO
02
03

BELT **PRESS**



01 Driving Motor
(Reducing Motor)

02 Belt Washing Nozzle
(Shower Box)

03 Belowz
(Tention Device)

04 Gravity Squezing
Zone

05 Driving Control
Device

06 Squezing Pressure
Rollar

BELT **PRESS**

Belt Press Parts

- Belt press is a biosolidsludge dewatering

Belt Press Sludge kind

- Operation time for sludge squeezing

BELT PRESS SPECIFICATION

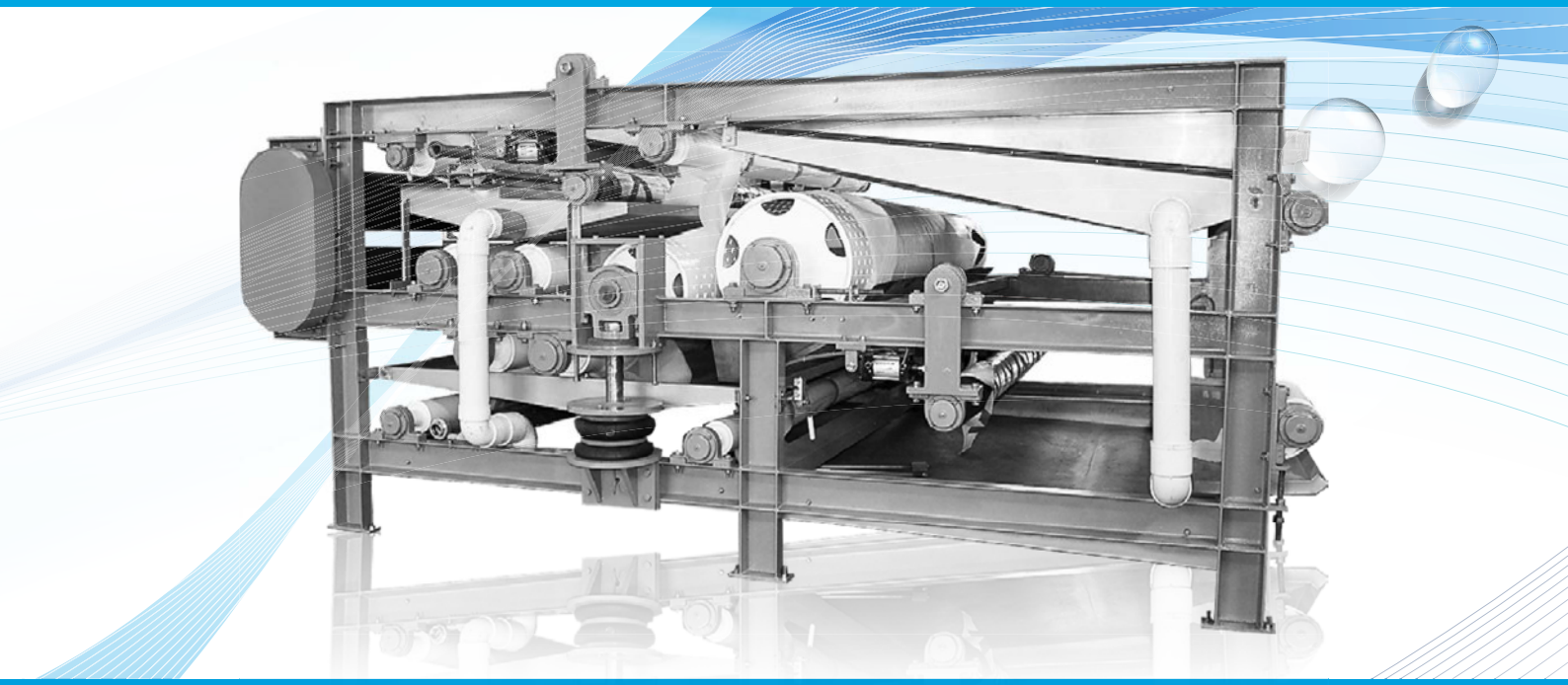
Classification		Belt width(mm)	Through put(m/H)	Dimension(mm) W	L	H	Electricity consumption(kw)	Weight(ton)
JDBP -6	50W	500	0.9 ~ 3.0	1,370	3,360	2,050	6.4	1.7
	65W	650	1.2 ~ 4.5	1,520	3,360	2,050	8.2	2.1
	100W	1,000	2.5 ~ 6.5	1,870	3,460	2,050	10.2	2.5
	150W	1,500	3.0 ~ 10	2,440	3,740	2,140	11.7	4.3
	200W	2,000	5.0 ~ 13	2,940	3,740	2,140	11.7	5.1
	250W	2,500	6.0 ~ 15	3,400	3,740	2,650	16.3	6.5
	300W	3,000	6.0 ~ 20	3,900	3,785	2,650	16.3	8.5
JDBP -8	100W	1,000	2.5 ~ 6.5	1,870	3,568	2,050	10.2	3.2
	150W	1,500	3.0 ~ 10	2,400	3,568	2,140	11.7	5
	200W	2,000	5.0 ~ 13	2,930	4,110	2,140	11.7	5.7
	250W	2,500	7.0 ~ 15	3,400	4,110	2,650	16.3	7.5
	300W	3,000	8.0 ~ 20	3,900	4,110	2,650	16.3	9.5

Belt Press Feature

- Widely applying scope
- Simple structure and easy maintenancemanagement
- High biosolids return rate
- Operation cost's low
- Filter cloth cleansing system
- Wide installation area

Belt Press Usage

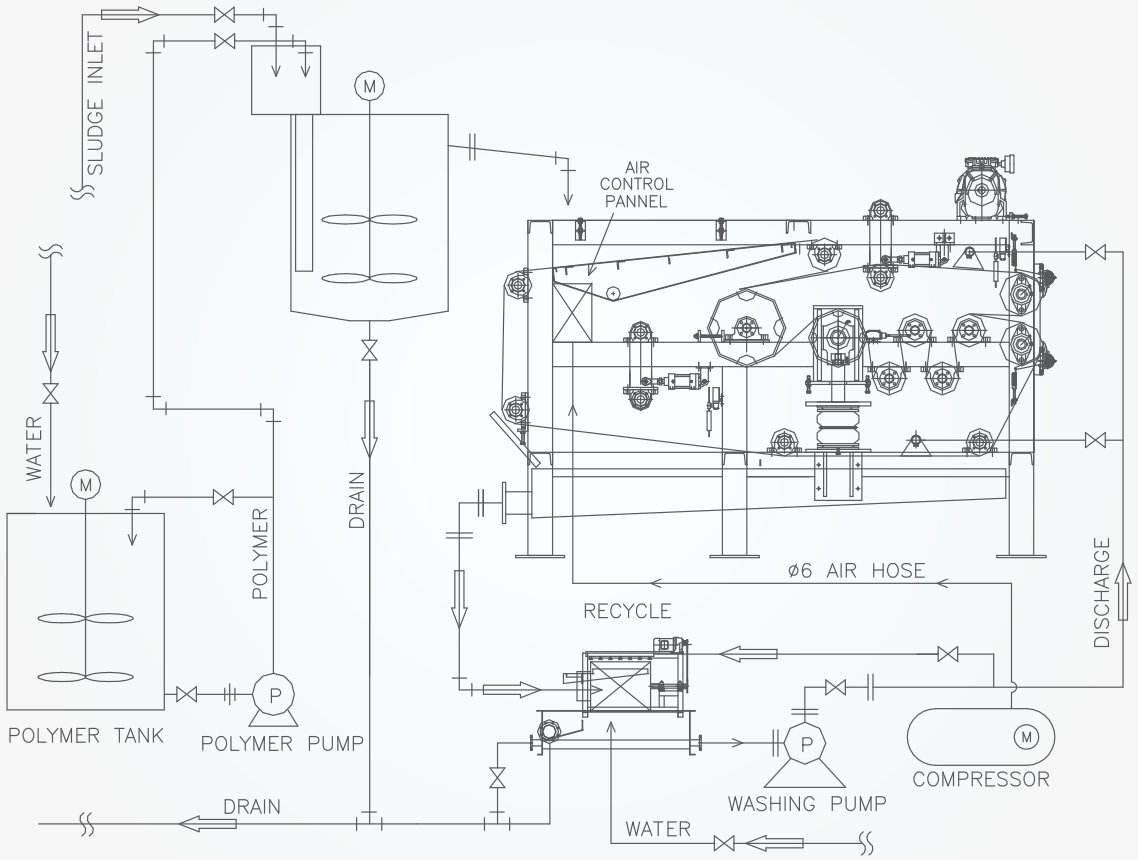
- City sewage sludge
- Water treatment sludge
- Night soil sludge
- A paper-mill sludge
- Seafood strip sludg
- Chemical sludge
- A stony waste water
- Slaughter waste water
- Food strip sludge

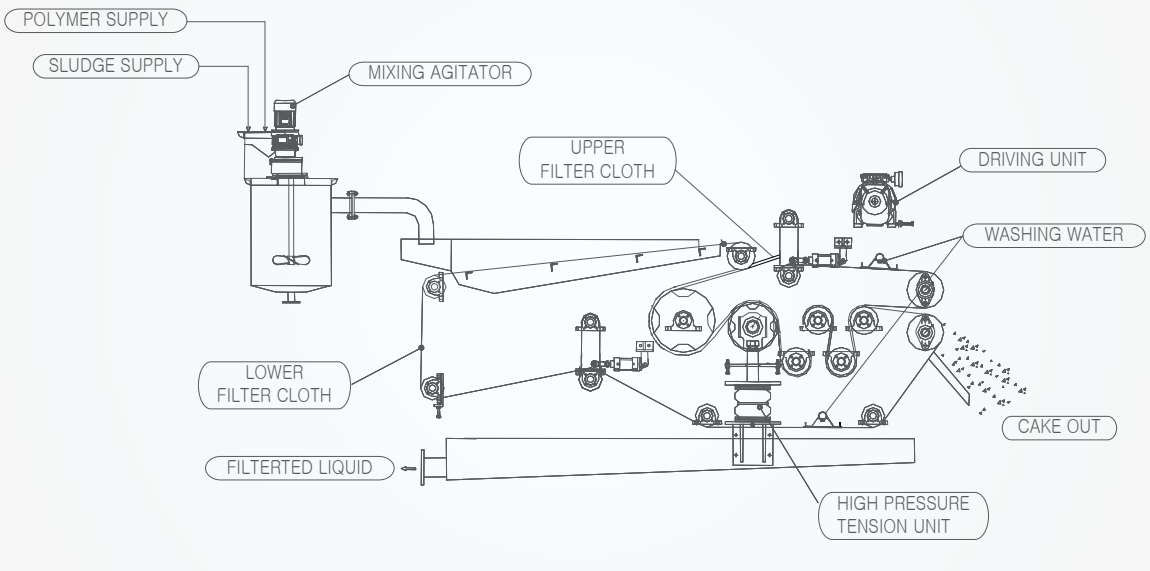


BELT PRESS SPECIFICATION

Sludge		Concentrated Sludge Density(DS%)	Polymer Additive (DS%)	Throughput (Kg Ds/ m.hr)	Cake Moisture Content(%)
City Sewer	Digested Sludge	2.0 ~ 6.0	0.3 ~ 0.9	100 ~ 350	60 ~73
	Excess Sludge	1.0 ~ 3.0	0.5 ~ 1.0	90 ~ 170	72 ~ 78
Excretions Sludge	Digested Sludge	3.0 ~ 7.0	0.3 ~ 0.6	120 ~ 450	65 ~72
	Excess Sludge	1.0 ~ 3.0	0.5 ~ 10	90 ~ 340	65 ~ 70
Slaughter Sludge	Mixed Sludge	2.0 ~ 4.0	0.4 ~ 0.8	80 ~ 160	75 ~ 80
Industrial Waste	Paper Sludge	2.0 ~ 5.0	0.3 ~ 0.6	120 ~ 450	65 ~ 70
	Leather Sludge	3.0 ~ 5.0	0.3 ~ 1.0	90 ~ 340	68 ~ 78
	Liquor Sludge	2.0 ~ 3.0	0.5 ~ 1.0	50 ~ 100	75 ~ 80
	Food Sludge	1.0 ~ 2.0	0.4 ~ 0.8	50 ~ 100	74 ~ 78
	Chemical Sludge	1.0 ~3.0	0.4 ~ 0.8	50 ~ 100	74 ~ 78
	Fish Sludge	1.0 ~ 2.5	0.4 ~ 0.8	50 ~ 100	75 ~ 80
	Dyeing Sludge	1.5 ~ 2.5	0.5 ~ 1.0	50 ~ 150	72 ~ 77
	Metal Sludge	3.0 ~ 4.5	0.2 ~ 0.6	100 ~ 500	60 ~ 70
	Stone Sludge	10.0 ~ 30.3	0.1 ~ 0.2	500 ~ 800	20 ~ 35
	Steel Sludge	2.0 ~ 4.0	0.4 ~ 0.8	110 ~ 160	50 ~ 64

FLOW **SHEET**


SLUDGE INLET
M
AIR
CONTROL
PANNEL
WATER
M
POLYMER
DRAIN
ø6 AIR HOSE
RECYCLE
DISCHARGE
P
POLYMER TANK
POLYMER PUMP
P
M
COMPRESSOR
DRAIN
WASHING PUMP
WATER


POLYMER SUPPLY
SLUDGE SUPPLY
MIXING AGITATOR
UPPER
FILTER CLOTH
DRIVING UNIT
WASHING WATER
LOWER
FILTER CLOTH
CAKE OUT
FILTERTED LIQUID
HIGH PRESSURE
TENSION UNIT

SHOW **CASE**

1. Food waste water






2. Industry




SHOW **CASE**

3. Power Plant






4. Stockbreeding






SHOW **CASE**

5. Mining production






6. Sectional Belt Press & Etc

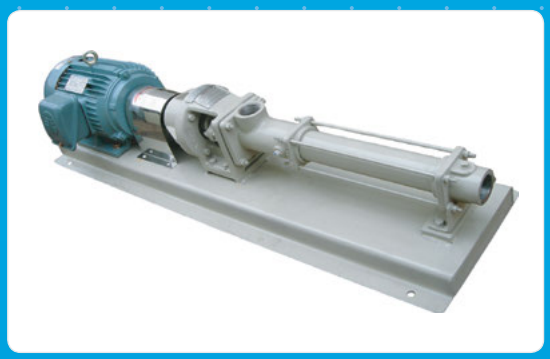





OTHER **PUMPS**

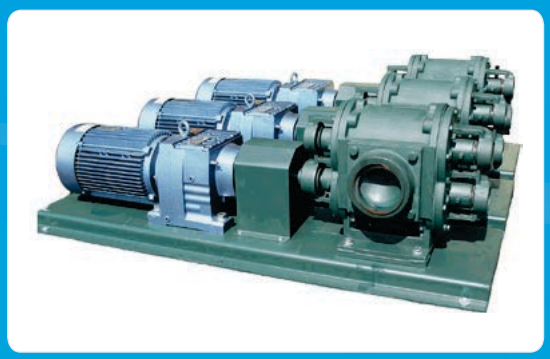
A.O.D PUMP

A diaphragm pump (also known as a Membrane pump) is a positive displacement pump that uses a combination of the reciprocating action of a rubber, thermoplastic or teflon diaphragm and suitable valves on either side of the diaphragm (check valve, butterfly valves, flap valves, or any other form of shut-off valves) to pump a fluid.



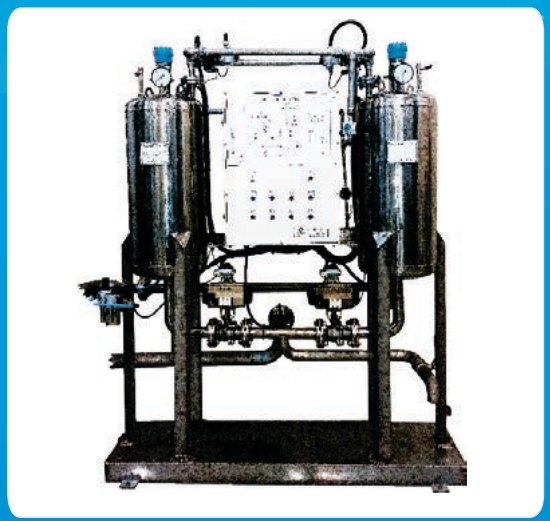
Mono Pump

A progressive cavity pump is a type of positive displacement pump and is also known as a progressing cavity pump, progg cavity pump, eccentric screw pump or cavity pump. It transfers fluid by means of the progress, through the pump, of a sequence of small, fixed shape, discrete cavities, as its rotor is turned. This leads to the volumetric flow rate being proportional to the rotation rate (bidirectionally) and to low levels of shearing being applied to the pumped fluid. Hence these pumps have application in fluid metering and pumping of viscous or shear-sensitive materials. The cavities taper down toward their ends and overlap with their neighbours, so that, in general, no flow pulsing is caused by the arrival of cavities at the outlet, other than that caused by compression of the fluid or pump components.



Rotary Gear Pump

A Rotary gear pump uses the meshing of gears to pump fluid by displacement. They are one of the most common types of pumps for hydraulic fluid power applications.
Gear pumps are also widely used in chemical installations to pump high viscosity fluids. There are two main variations; external gear pumps which use two external spur gears, and internal gear pumps which use an external and an internal spur gears (internal spur gear teeth face inwards, see below). Gear pumps are positive displacement (or fixed displacement), meaning they pump a constant amount of fluid for each revolution. Some gear pumps are designed to function as either a motor or a pump.



High Temperature For Transfer Pump

High temperature, high viscosity liquid suitable transfer device to transfer.

Patent Number 10-1178829

OTHER **EQUIPMENTS**




Cake Hopper

Auxiliary device, installed under Filter press, is used to collect filter cake, get is closed when cake discharge. when filter cake reach discharge requirement, the gate
is open, usually with hydraulic control. Using auto shaking device for difficult cake discharge with high viscosity.

PH / ORP / DO Meter

A PH/ORP/DO Meter is a scientific instrument that measures the hydrogen-ion concentration in a solution, indicating its acidity ; alkalinity / ORP / DO .

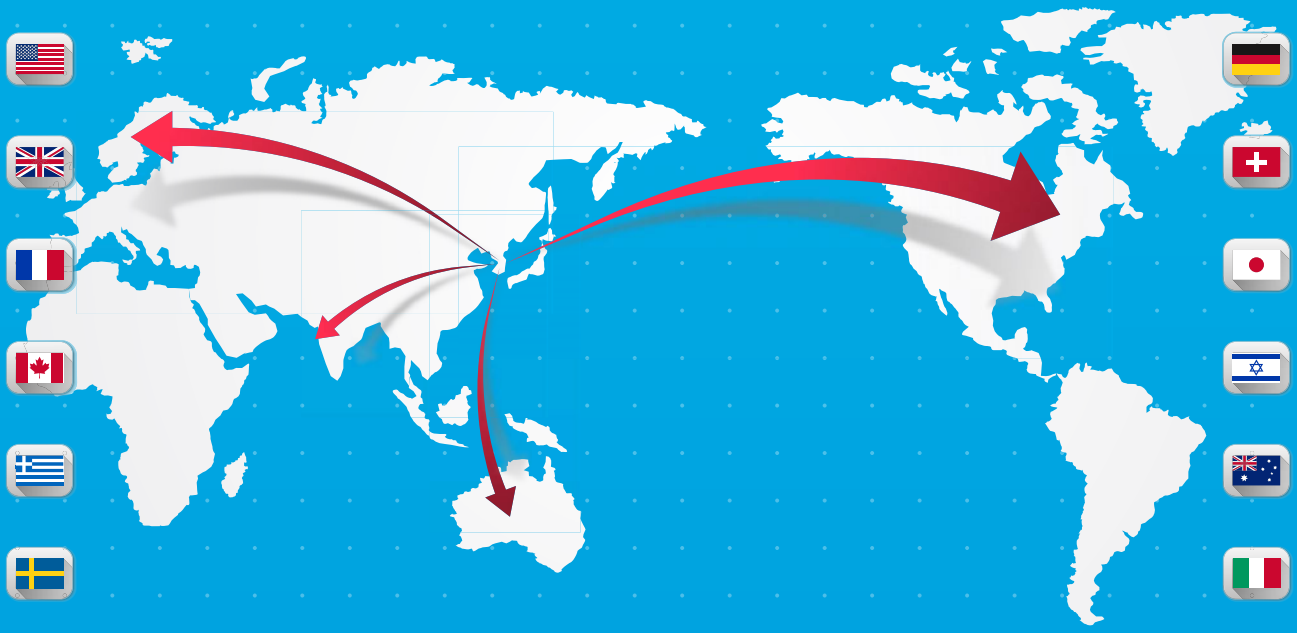

Flowmeter

Flow measurement is the quantification of bulk fluid movement. Flow can be measured in a variety of ways. Positive-displacement flow meters accumulate a fixed volume of fluid and then count the number of times the volume is filled to measure flow. Other flow measurement methods rely on forces produced by the flowing stream as it overcomes a known constriction, to indirectly calculate flow. Flow may be measured by measuring the velocity of fluid over a known area.


Chemical Pump

Coagulants doze control Pump

BUSINESS **PARTNER**



Hwaseong Waste water disposal
Samsung Total
Labely
Namyang national agricultural
Samnok
Shinhwa
Busan plating Industrial
Hanrasan soju
BM Korea
Jinjeon Waste water disposal
Hoomeric
Pusan port complex
Kumo Encironment
Samyang Chemical
Poolmoowon
SMT
D.M
Iigin Dia
Konjiam Resort
Taewon
Kwangyang ferroalloy
Jinmi Food
KPX Biotech
Di eco
Chungsim ENG
Noiboo
Hynix semiconductor
RIST
Samsung petrochemical
CJ
SPC Pariscroissant

Daeseung
Moonkyung Hospital
Posco Plant
Wando Waste plant
Samyang Chemical
Hans Enfineering
Keumho Chemical
STS Semiconduct
Hana Micron
Dio Electronic
Deogheung
Taewon
Cow Farm
Wooshin Chemical
Green Cross
Imdeug Chemical
Seaha steel
Dongah
Seongwoo Automorive
Sangji GMI
Country Food
KG
Avatec
PMG
Cosmo Micro
Yujin Tech
Gosan filteration plant
Seoul Metro
Eunsung Plant
Posco Plant
ENF

SK E&C
Q No metal
Keugdo
GS Platec
Myengwha metal
Deawon Industral
Acowater Tech
ST E.N.G
Dasalang Food
Seaha 2 Factory
Andi Recycle
Ssangyoung
Yegseunwon
Woowon Con
Youngwoo freen
C&A VINA
Mirae enciteck
Capital Garrison command
Miryuk
Wooil Food
Hyundai Construction
Woori paper
hoo ons Chunfju factory
Army 11.12 Division
Jay Tech
GS Construction
Kaist
Korea Land&housing
Ilyang Construction
Nexsolon
Paju City public corporation

Hoo Tech
Good farm corporation
Q biotec
Gaesong
Hyundai
Samsung Corning
J-TEC
BAEK RYOUNG ENG CO.,
Dae Won Kang UP CO.,
Gwang Sung VINA
Pulmuwon
STS Semiconductor
THE Eco Mining
Hanmi Pharmaceutical Co., Ltd
Seoul Milk Co.
Widuk Univ.
Aekyung, a chemical
Daeho PNC
Fluid industry
Orion plant
Garam Soul
Bio Alpha Research Institute
Shinil electricity
Ilsin Chemicals
Seoul Metro
SAMSAUNG
CK Chemical
Green Cross
Novatech
Myengwha Matal
Ehaw

GUIDE **MAP**

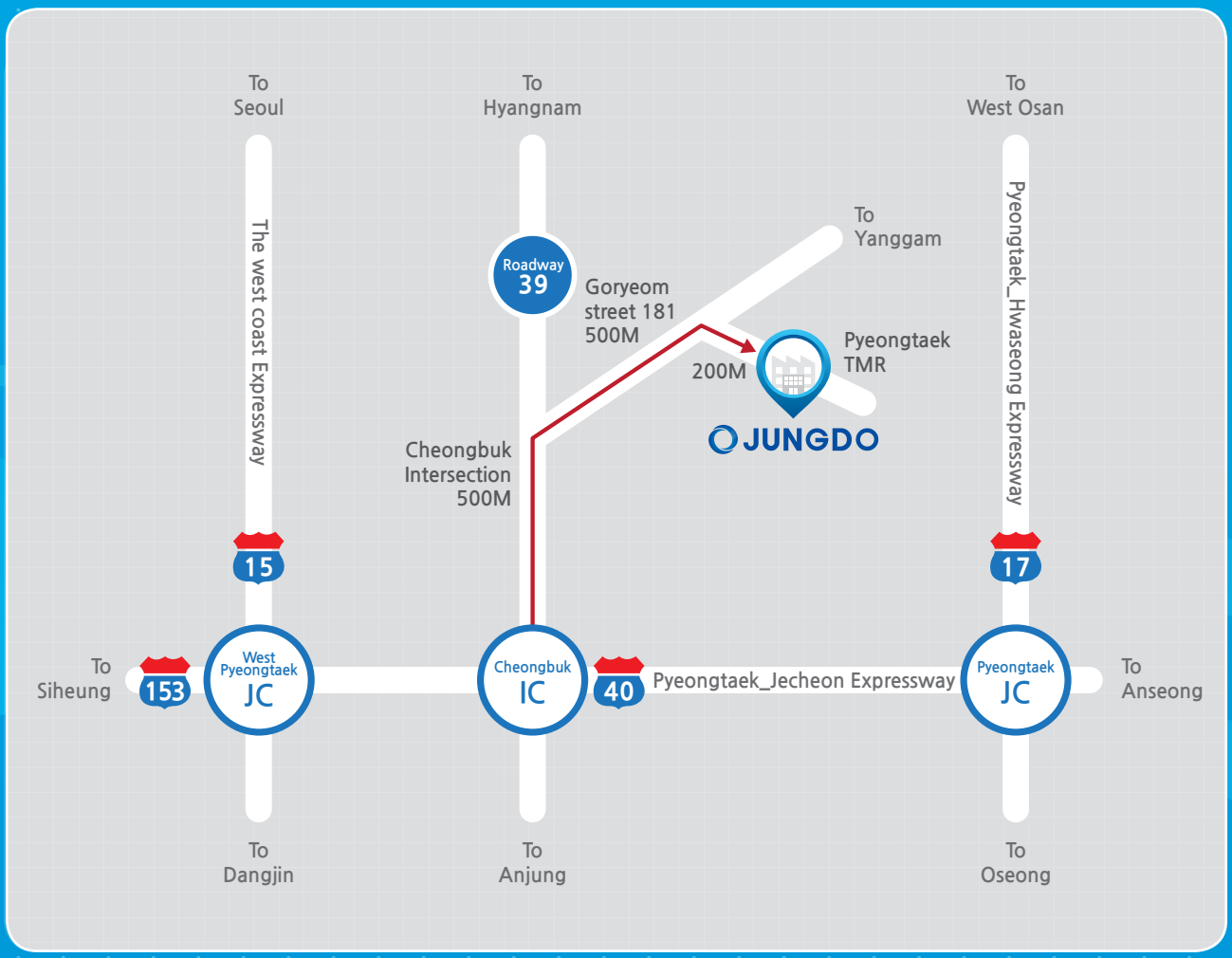
Roadway

Suwon ▶ Bongdam ▶ Balan ▶ Cheongbuk Intersection 500M turn reft ▶ Goryeom street ▶ Jung Do Company

Expressway

The west Coast Highway ▶ Cheongbuk TG ▶ Hyangnam ▶ Cheongbuk Intersection 500M turn right ▶ Goryeom street ▶ Jung Do Company

Pyeongtaek_Hwaseong Highway ▶ Pyeongtaek JC ▶ Cheongbuk TG ▶ Hyangnam ▶ Cheongbuk Intersection 500M turn right ▶ Goryeom street ▶ Jung Do Company .



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