

We are the Inventor of
the Multi-disc type screw press
dewatering equipment!!

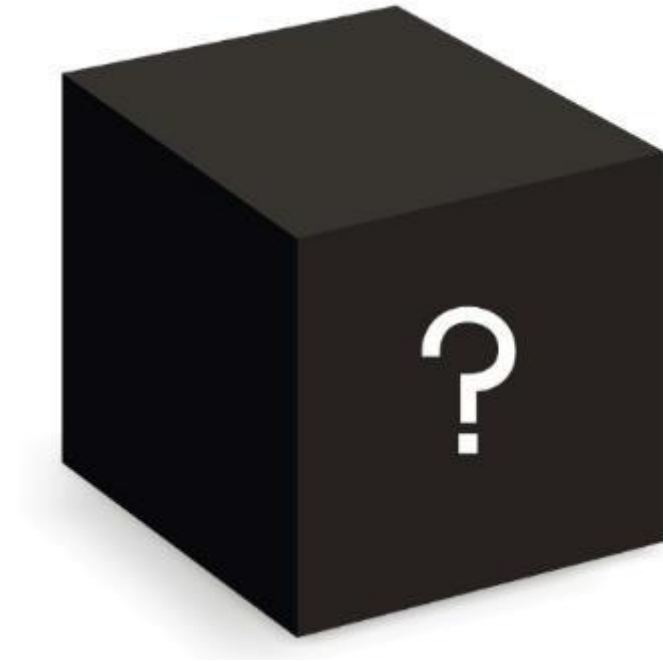
AMCON INC. Japan

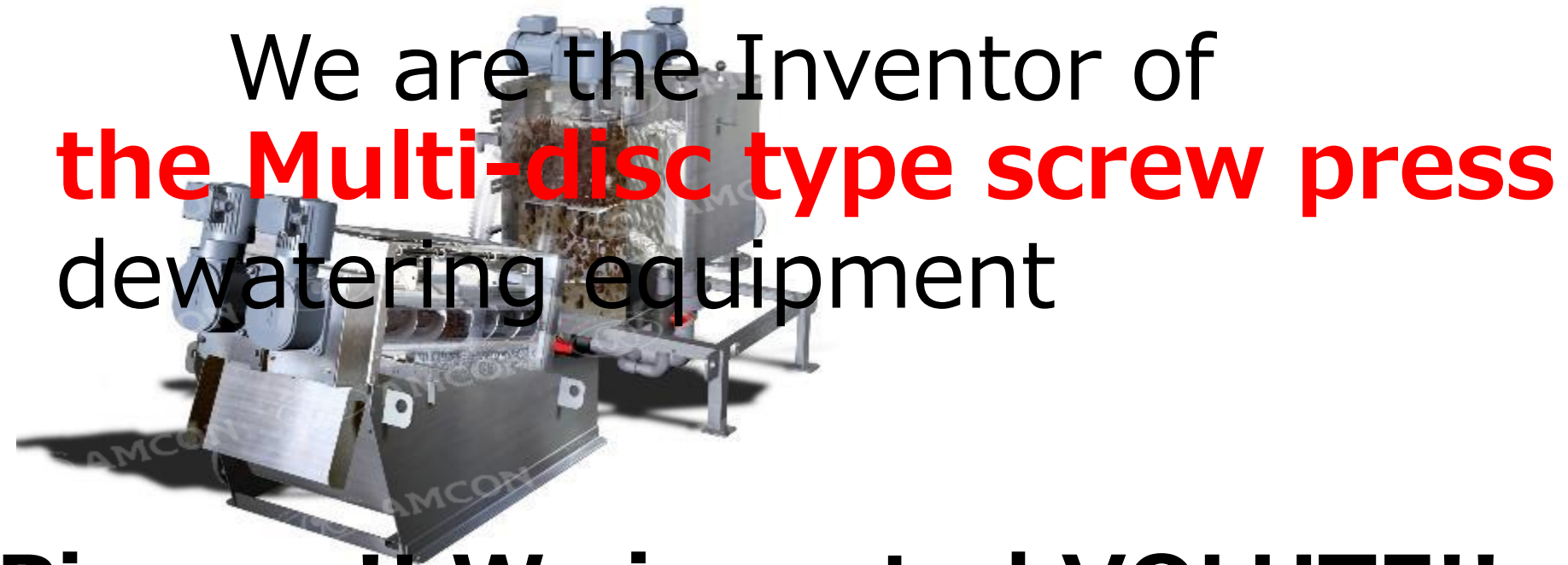


- 1. What is AMCON?**
- 2. How has AMCON developed the business field?**
- 3. Who works for AMCON?**
- 4. When were AMCON's historic events?**
- 5. Where has AMCON installed?**
- 6. Why customers are being so fascinated by AMCON?**
- 7. AMCON's Other Line-Up**

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1. WHAT is AMCON?





We are the Inventor of
the Multi-disc type screw press
dewatering equipment

We are the Pioneer!! We invented VOLUTE!!



We are the Pioneer!! We invented VOLUTE!!

Various prizes all of the world

...and many other certificates!



Selected as top 300 vibrant manufacturing SMEs in Japan, 2009

China International Industry Fair, 2007 (bronze medal)



WEX Global Forum, 2015 (Innovation Award)

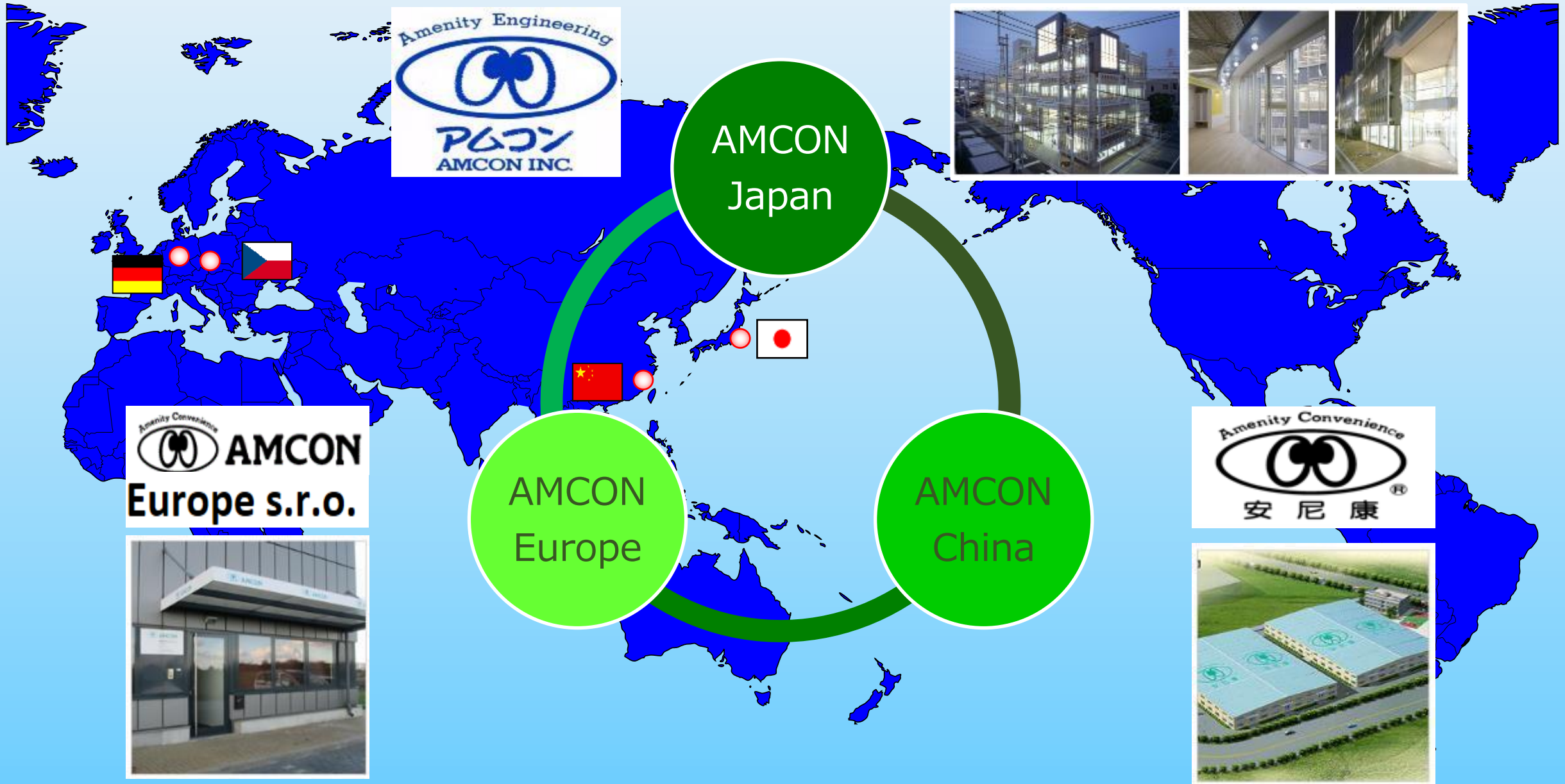


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2. HOW has AMCON developed the business field?

AMCON Network and Sales field



AMCON Network and Territory



AMCON Network and Sales field



Distributors wanted!!

We are seeking partners in many countries such as the following countries.



Malaysia

Indonesia

Thailand

Vietnam

Myanmar

Cambodia

Laos

Australia

New Zealand

Mexico

Peru

Colombia

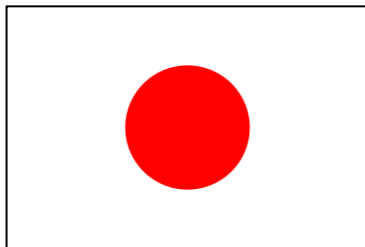
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3. WHO works for AMCON?



Corporate Profile

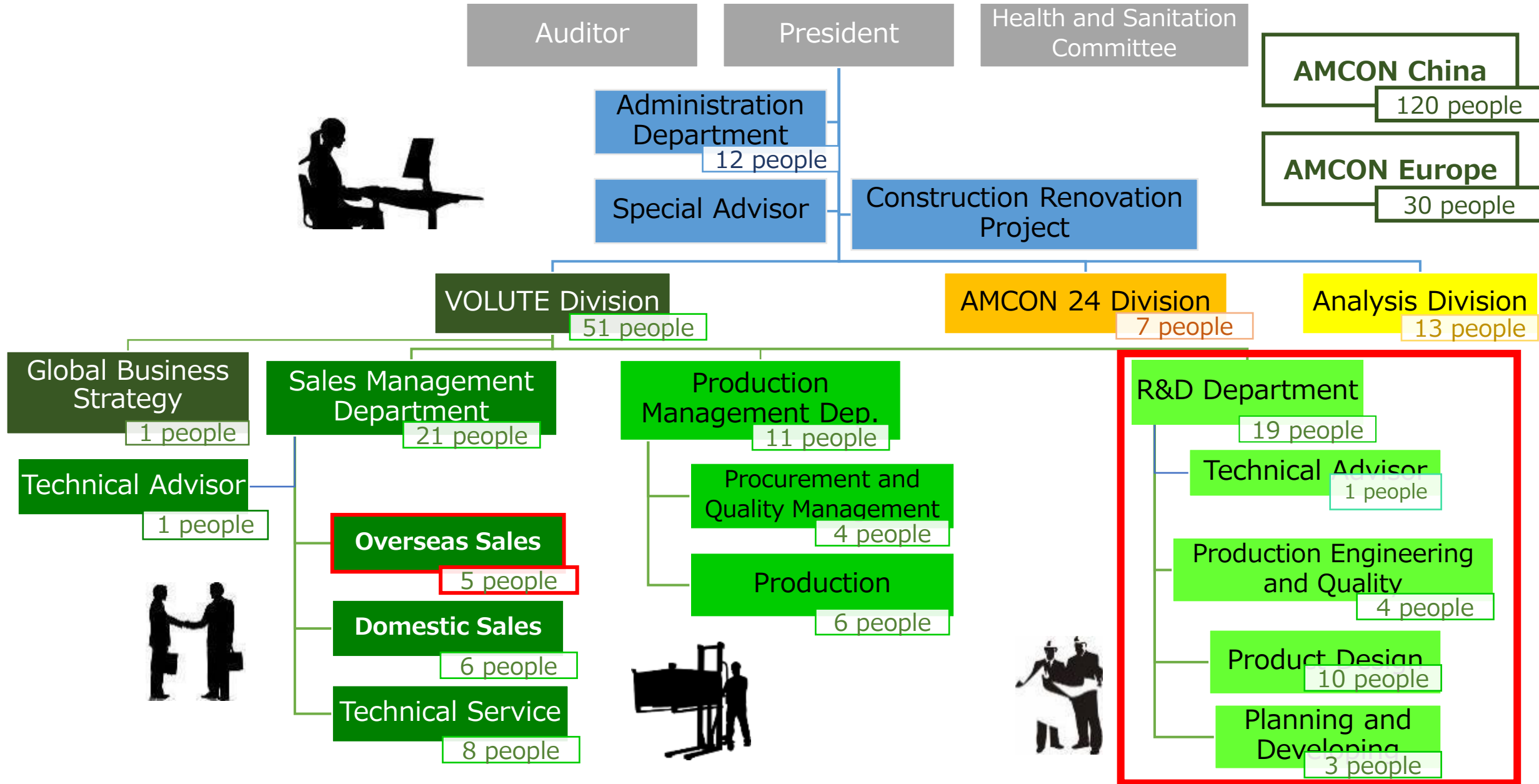
◆ Establishment:	November 22 nd , 1974
◆ Number of employee:	Approx. 90 (in Japan)
◆ Line of Business:	1. VOLUTE Division [<i>International</i>]
	2. Analysis Division [<i>Domestic</i>]
	3. AMCON 24 Division [<i>Domestic</i>]
◆ Sales Office / Production Base:	Yokohama (Japan), Fujian (China), Prague (Czech), Felsberg (Germany)



AMCON provides “**Amenity and Convenience**” through our uniquely designed equipment for applications of both municipal and industrial, water and wastewater treatment

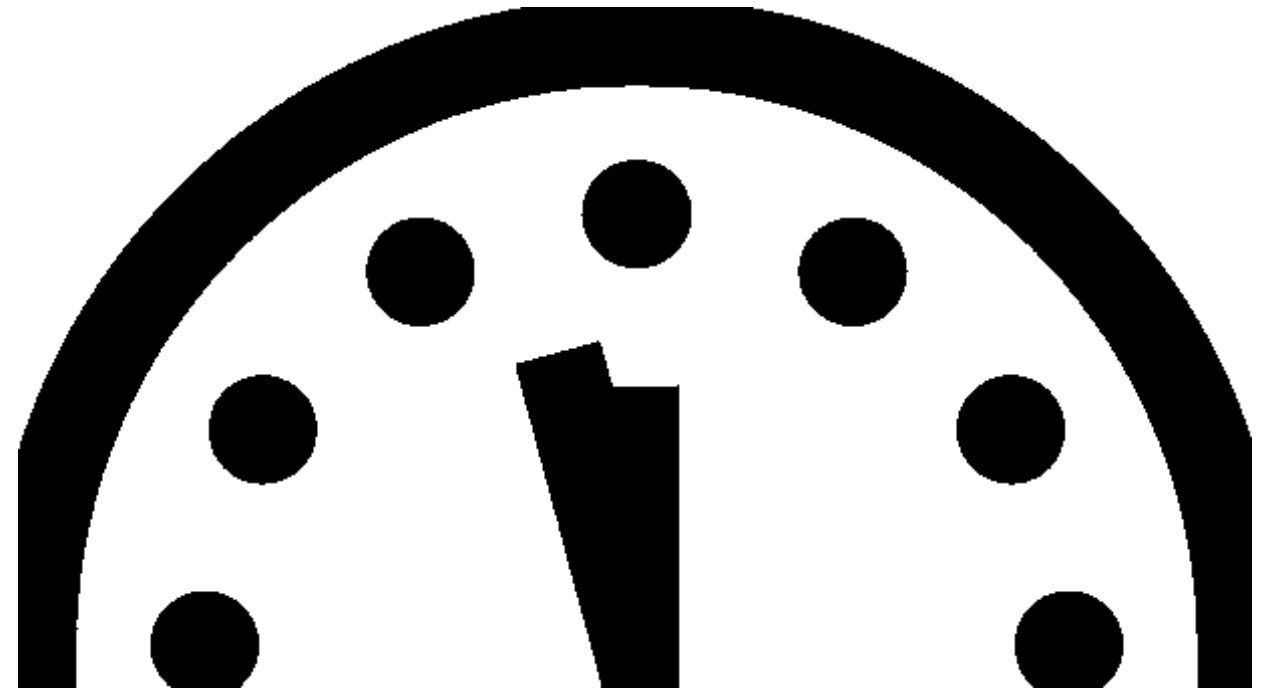
The organizational structure of AMCON

* As of February 2021



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4. When were AMCON's historic events?



AMCON's historic events

1974
Established



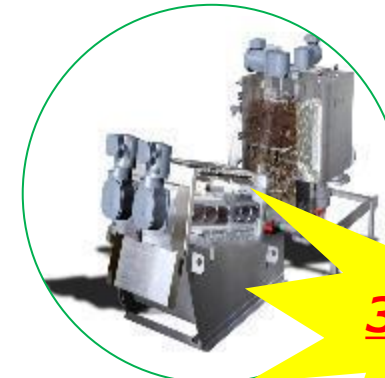
1991 Birth of VOLUTE
Dewatering Press



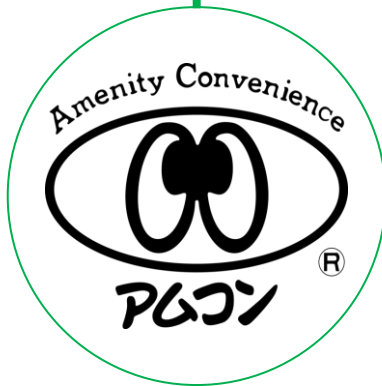
2010 Established the
China-based subsidiary



2018 New VOLUTE Dewatering
Press GS-series was launched



3 times!



1987 Changed name to
AMCON INC.



2004 New Headquarters
building was built in Yokohama



2011 Established the
European-base

**160 units
in 2013**

**500 units
in 2020**

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5. WHERE has AMCON installed?



Customer List Worldwide

AMCON has installed to wide variety of customers all over the world!

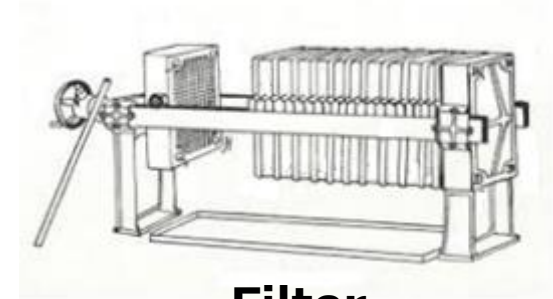
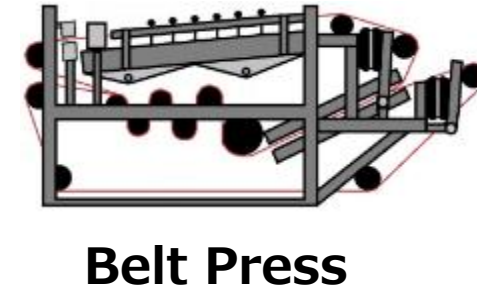
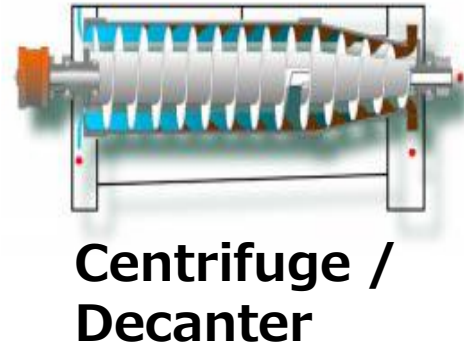


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6. WHY customers are being so fascinated by AMCON?

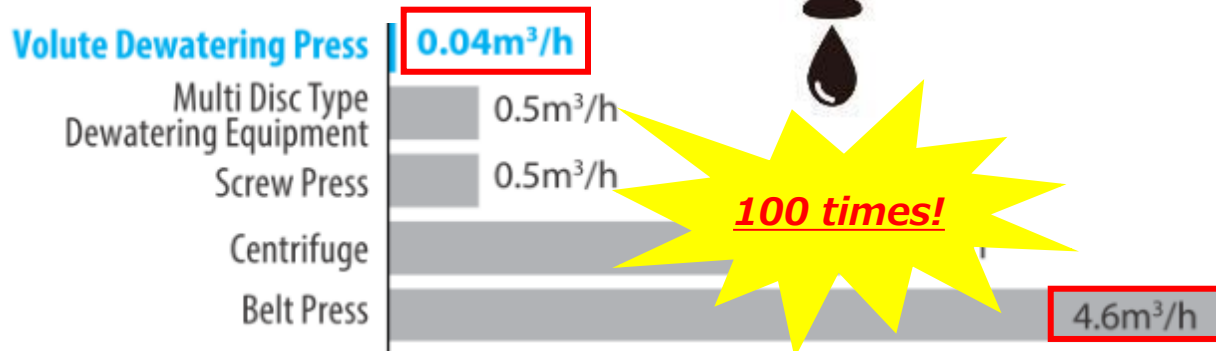
Special Advantages of AMCON products



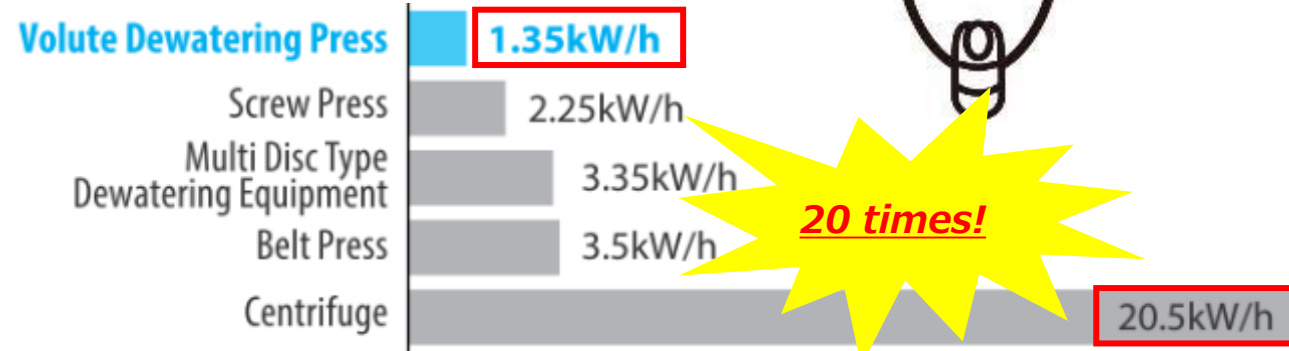
1. Energy Saving Design [Low running Cost - Low consumption of washing water and electricity]







1. Energy Saving Design (Water & Power Consumption)

Water



Power

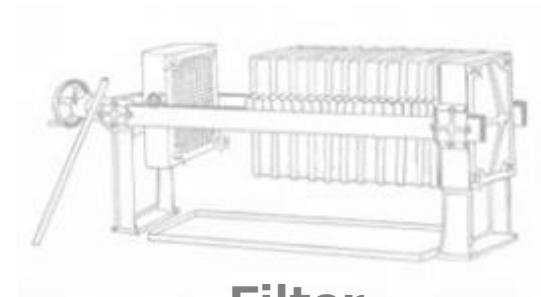
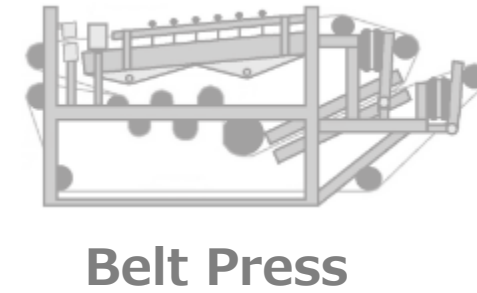
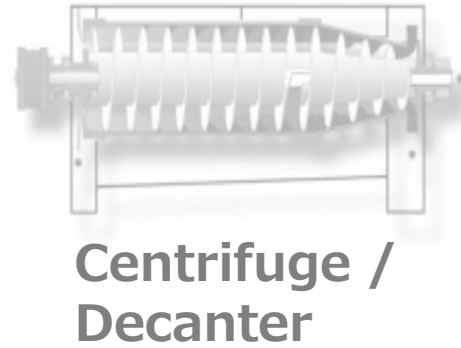
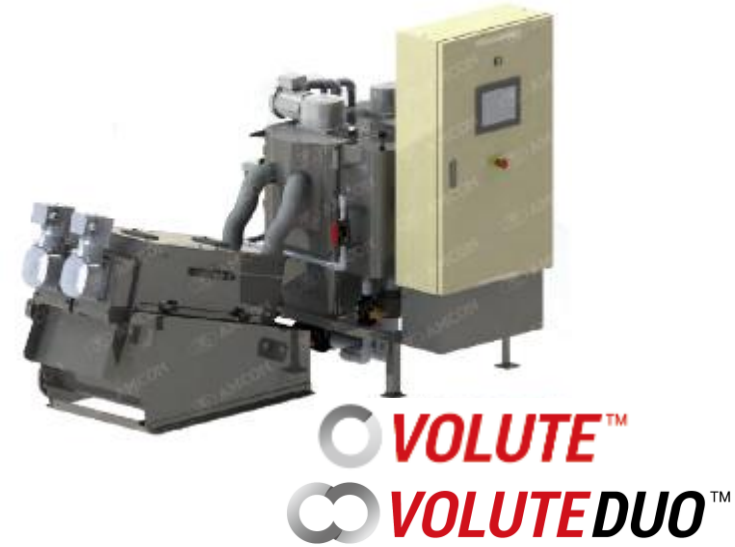


	Water cost saving vs Belt press	Power cost saving vs Centrifuge
Bangkok 	▲ 415,400 THB / year	▲ 564,000 THB / year
Hanoi 	▲ 320,336,000 VND / year	▲ 220,608,000 VND / year
Jakarta 	▲ 329,640,000 IDR / year	▲ 114,276,000 IDR / year
KL 	▲ 60,000 MYR / year	▲ 39,800 MYR / year
Manila 	▲ 2,300,000 PHP / year	▲ 1,220,000 PHP / year
New Delhi 	▲ 520,000 INR / year	▲ 875,900 INR / year

Operation: 24h/day, 5days/week, 4 weeks/month

*Based on AMCON's research

Special Advantages of AMCON products

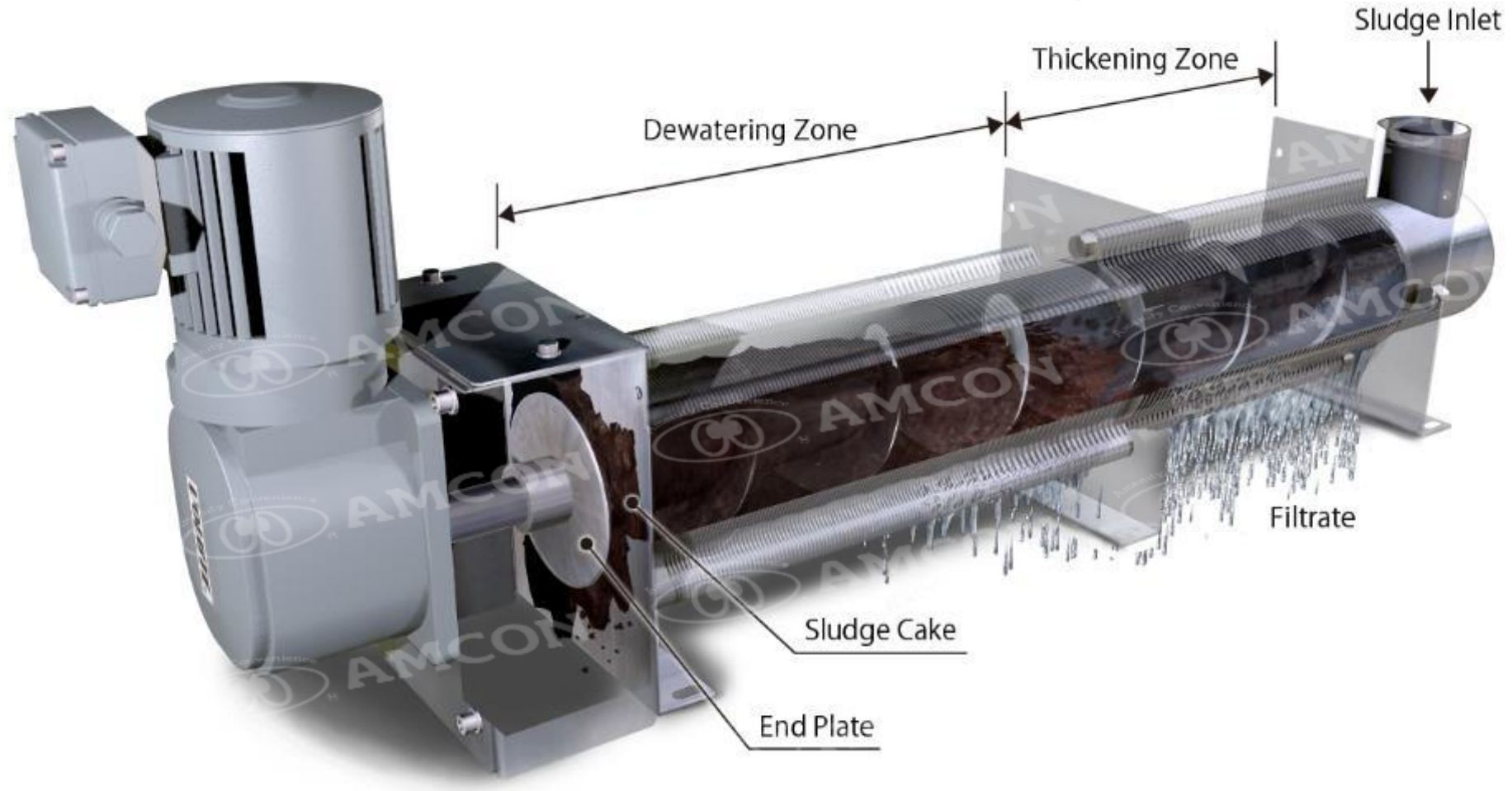


1. Energy Saving Design [*Low running Cost - Low consumption of washing water and electricity*]

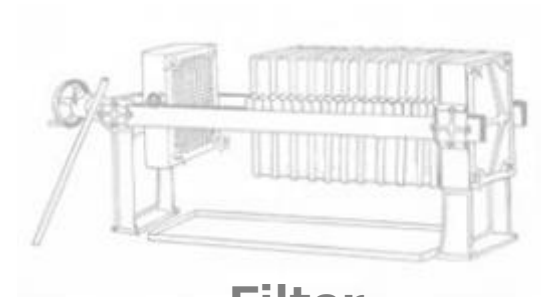
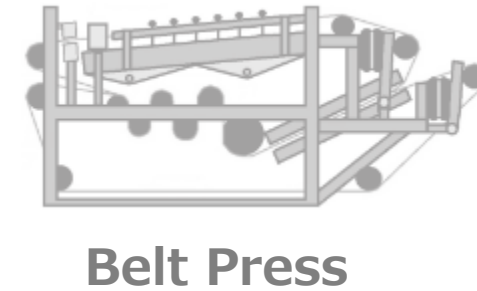
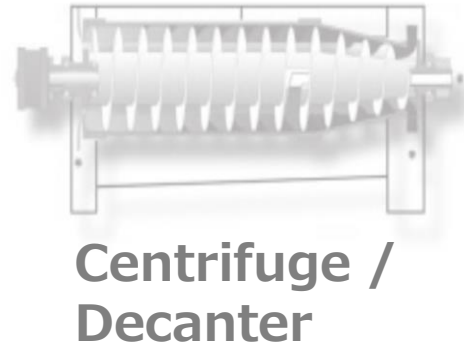
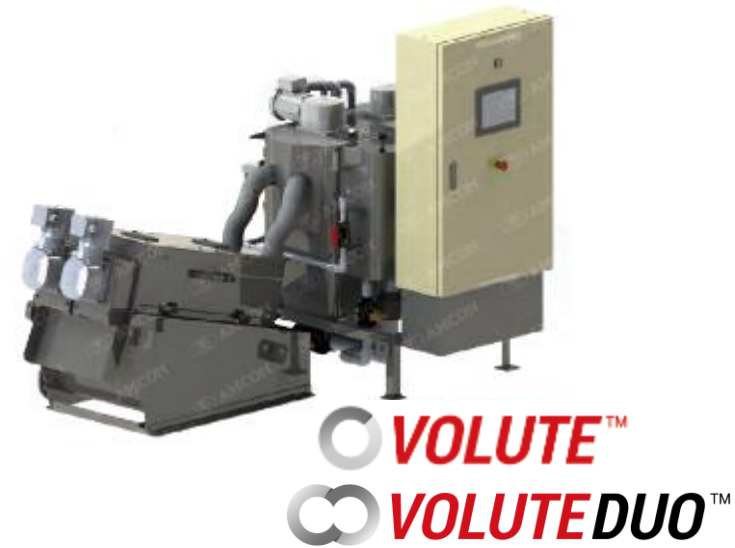
2. Clog-free Structure [*Very highly Oil-resident Structure*]

2. Clog-free Structure

AMCON's dewatering press is equipped with unique VOLUTE technology, which allows dewatering sludge while automatically self-cleaning the filter mesh. This enables stable and constant dewatering.



Special Advantages of AMCON products



1. Energy Saving Design [Low running Cost - Low consumption of washing water and electricity]

2. Clog-free Structure [Very highly Oil-resistant Structure]

3. Easy Operation [24 h Full Auto Operation Available]

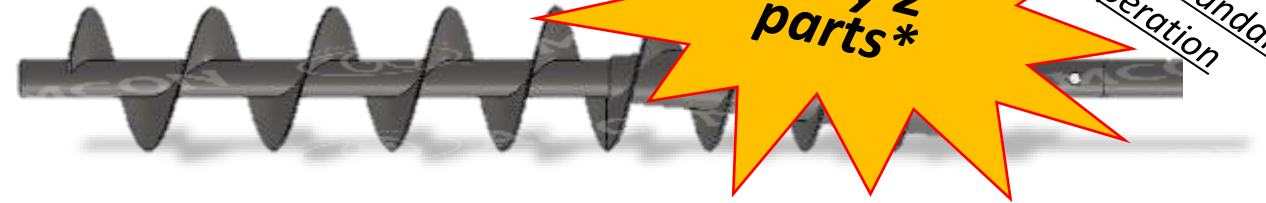
3. Easy Operation

<< Moving Rings for Dewatering Zone>>



Model	Standard Life Time
051 ~ 132 model	5,000 hours
201 ~ 354 model	10,000 hours

<< Screw>>

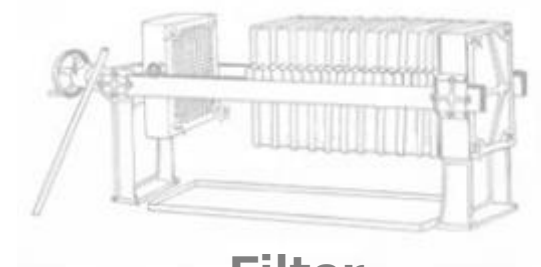
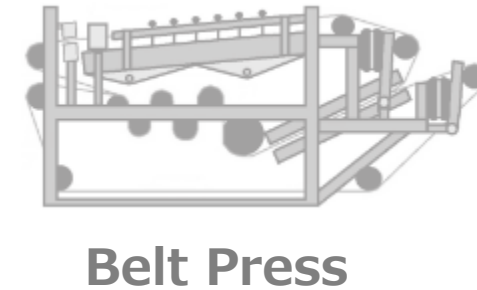
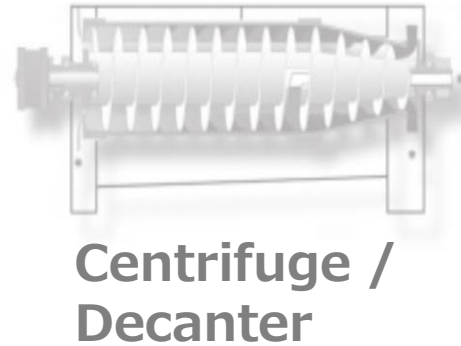


Model	Standard Life Time
051 ~ 132 model	10,000 hours
201 ~ 354 model	30,000 hours

• Average Life time of screw and Moving Rings can vary depending on its operation condition: setting, sludge type, treatment process and so on.

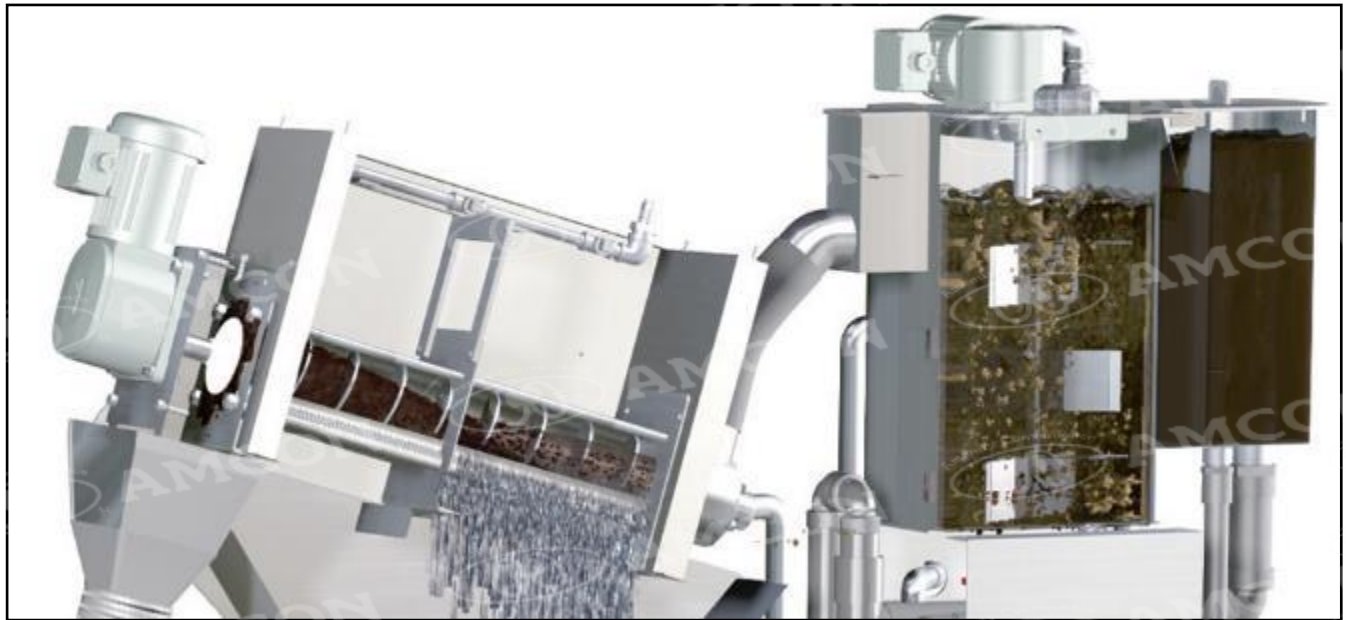
Operation Cycle	Total Operation Hour per year
24 hrs/day x 365 days	8,760 hours
20 hrs/day x 7 days/week x 52.1 weeks /year	7,294 hours
12 hrs/day x 6 days/week x 52.1 weeks /year	3,751 hours
10 hrs/per day x 6 days/week x 52.1 weeks/year	3,126 hours
8 hrs/per day x 5 days/week x 52.1 weeks/year	2,084 hours

Special Advantages of AMCON products



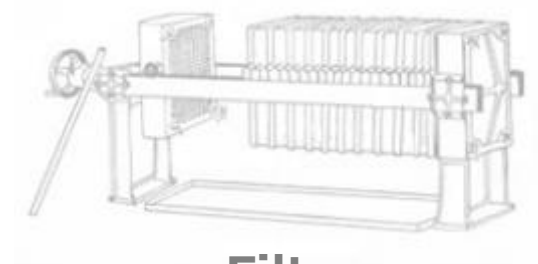
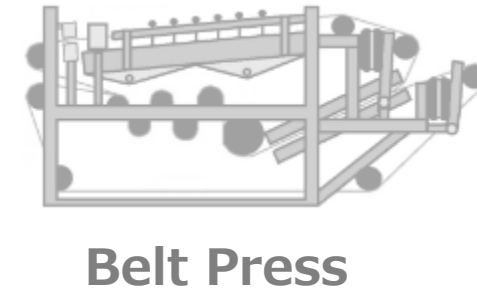
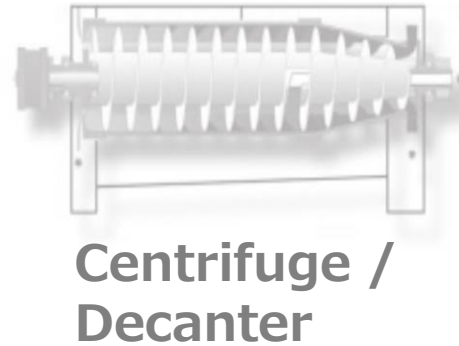
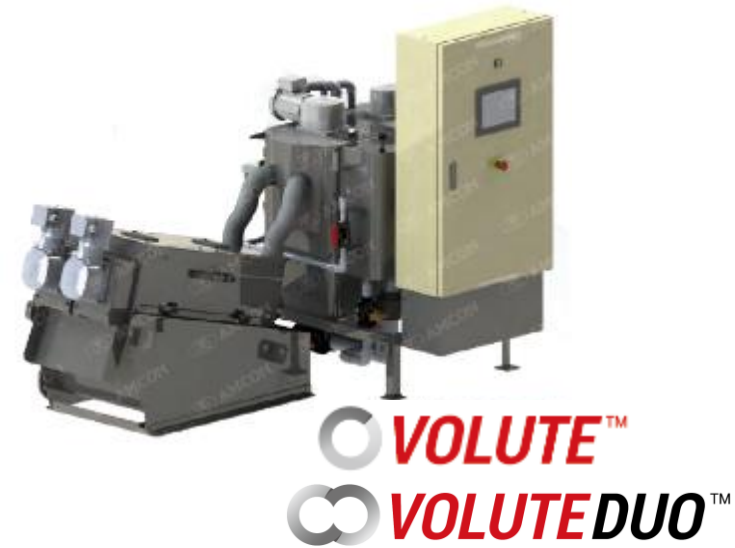
- 1. Energy Saving Design** *[Low running Cost - Low consumption of washing water and electricity]*
- 2. Clog-free Structure** *[Very highly Oil-resident Structure]*
- 3. Easy Operation** *[24 h Full Auto Operation Available]*
- 4. All Built-in / Compact Design** *[No Needed Separated Flocculation Tank / Conditioning Tank]*

4. All Built-in / Compact Design [No Needed Separated Flocculation Tank / Conditioning Tank]



Flocculation tank, dewatering screw, and operation panel are integrated on the base. It allows rational and compact design.

Special Advantages of AMCON products



- 1. Energy Saving Design** [*Low running Cost - Low consumption of washing water and electricity*]
- 2. Clog-free Structure** [*Very highly Oil-resident Structure*]
- 3. Easy Operation** [*24 h Full Auto Operation Available*]
- 4. All Built-in / Compact Design** [*No Needed Separated Flocculation Tank / Conditioning Tank*]
- 5. Available for Thin Sludge** [*No Needed Separated thickening Tank, Direct Inlet From Bioreactor Available*]

5. Available for Thin Sludge

<< Conventional System >>



**Direct Feed
from
Bioreactor**

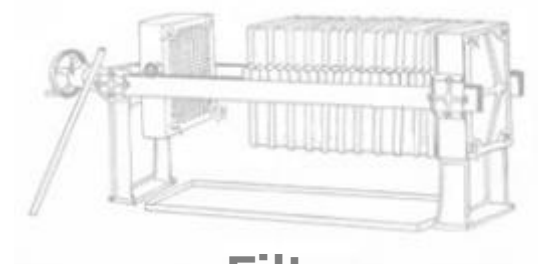
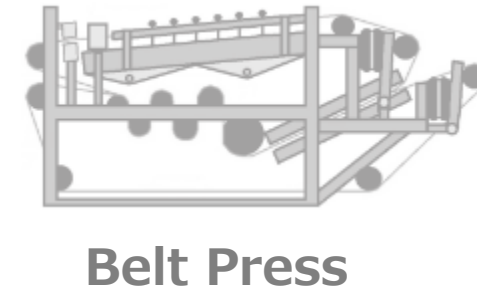
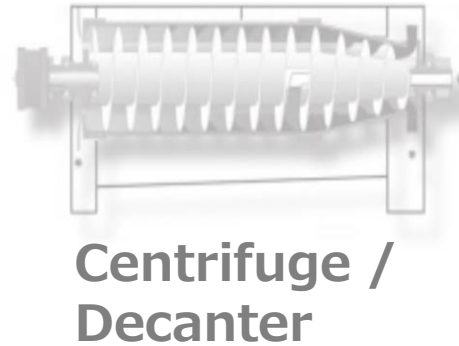


Volute Dewatering

<Result>	
Model	: ES-301F
Sludge Concentration	: 0.3 % (TS), 2700 mg/L (SS)
Flow Rate	: 9.00 m ³ /hr.
Polymer Consumption	: 8.00 kg/ton-DS
DS Throughput	: 25.0 kg-DS/hr
Water Content	: 82.0 % [18.0 % Solid]
Capture Rate	: 92.5 %

Available from 2,000 mg/L [Suspended Solid]
Greatly contribute to construction cost reduction.

Special Advantages of AMCON products



- 1. Energy Saving Design** [Low running Cost - Low consumption of washing water and electricity]
- 2. Clog-free Structure** [Very highly Oil-resident Structure]
- 3. Easy Operation** [24 h Full Auto Operation Available]
- 4. All Built-in / Compact Design** [No Needed Separated Flocculation Tank / Conditioning Tank]
- A5. Available for Thin Sludge** [No Needed Separated thickening Tank, Direct Inlet From Bioreactor Available]
- 6. Wide Application** [All Industry can be the Customer]

6. Wide Application - All Industry can be the Customer

Municipal WWTP / WTP

- *Sewage Treatment Plant, Drinking Water Plant, Water Purification Plant*

Private WWTP / WTP

Food Factory

- *Dairy*
- *Beer*
- *Wine*
- *Bread*
- *Noodle*
- *Sugar*
- *Seasoning*
- *Confectionary*
- *Fish*
- *Meat*
- *Soft Drink*
- *Cooking Oil*

Chemical Plant

- *Cosmetics*
- *Textile*
- *Dying*
- *Paint*
- *Petro Chemical*
- *Pharmaceutical*
- *Refinery*

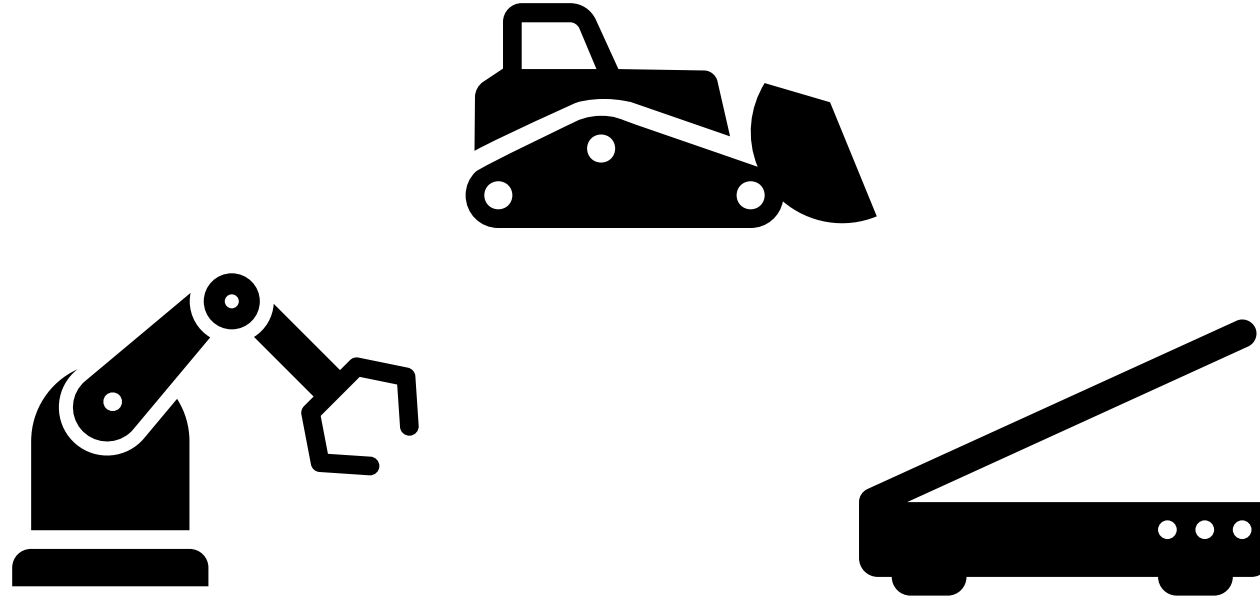
Machinery

- *Automobile*
- *Automobile Parts*
- *Foundry*
- *Electronics*
- *PCB*
- *Paper*
- *Coolant*

Others

- *Stock Farm*
- *Waste Management*
- *Recycling Plant*
- *School*
- *Hospital*
- *Hotel*
- *Shopping Center*
- *Industrial Park*
- *WWTP*
- *Industrial Park WTP*

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6. Why customers are being so fascinated by AMCON?
7. **AMCON's Other Line-Up**



AMCON's Other Line-Up

Other equipment –Not only dewatering equipment!-

AP series
(Powder type)



AF series
(Liquid type)



Powder polymer make-up system

VOLUTE VT series



VOLUTE Thickener



Plug & Play containerized dewatering package



VOLUTE mobile unit

Need more information? Check our website!

| en.amcon.co.jp



The end

Thank you for watching!!