



**STAVN**

**WASTE SORTING SOLUTIONS**

HELP YOU SURVIVE IN WASTE RECYCLING BUSINESS

Wuxi, China

# COMPANY



**STAVN** specialize in municipal solid waste separation and recycling solutions and equipment. With a team with over 20 years' know-how and global experience, STAVN is confident to offer practical and reliable waste recycling solutions. STAVN offers the full service on the technology aspect, from conceptual design to planning, production, assembly supervision, start-up and servicing of components to complete recycling and sorting systems.

## Experience

20 years' know-how in integrated MSW management solutions, especially on high moisture commingled wastes in developing countries.

## Technology

Practical, economical feasible and proven solutions to make tough garbage business survival.

## Equipment

Self-production and integrating reliable equipment from China and Europe to offer you the most suitable and stable system.

## International

China, Thailand, Vietnam, worldwide, we earn the trust of our customers and partners.



# SOLUTIONS

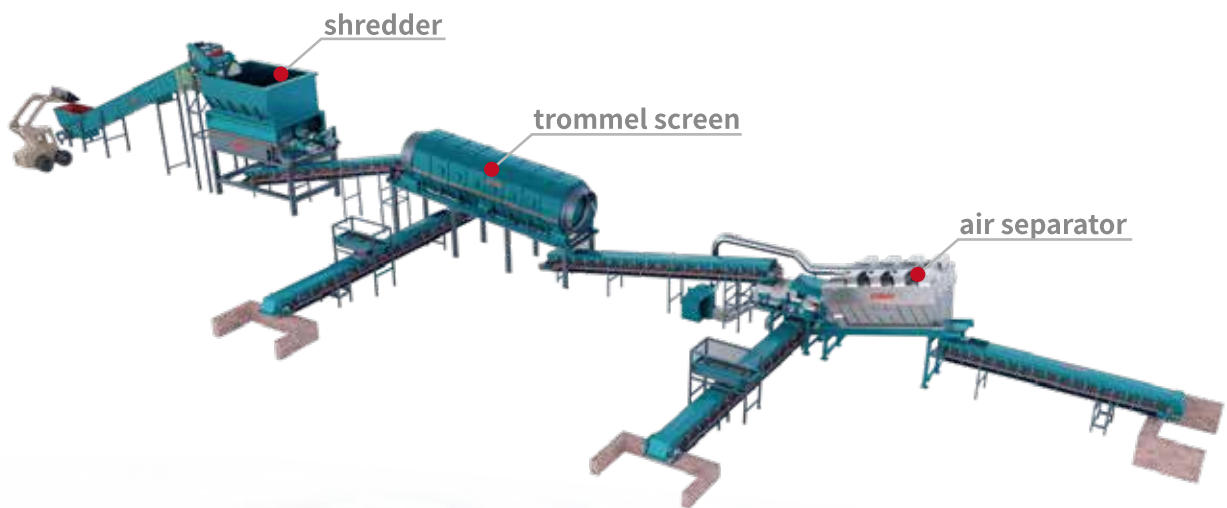
## Sorting Plants - High moisture commingled waste in developing countries.

**With** over 10 years' experience in municipal solid wastes in developing countries, which features high organic content and commingled components, STAVN is a pioneer in getting these waste recycling plants surviving and growing along with the economy.

**STAVN** single waste sorting line capacity ranges from 5 to 50 tons per hour upon project request.

### Outputs from Sorting

- **Plastics:** recycle for reuse in lower quality requirement application
- **Metals:** recycle for reuse
- **Organics:** further processed into fertilizer by composting or biogas by anaerobic digestion
- **Combustibles:** further processed into RDF (refuse derived fuel) for energy conversion
- **Inert:** landfilling



# EQUIPMENT



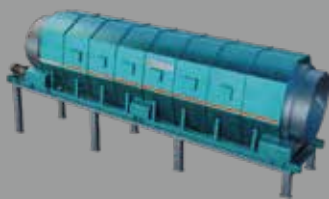
## Air Separator

Model	AS1000	AS1200	AS1400
Input conveyor width (mm)	1,000	1,200	1,400
Air return duct diameter (mm)	550	600	650
Throughput (tph)	20	30	40
Power (kW)	22	30	37
Weight (t)	5	6	7



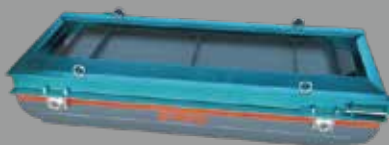
## Ballistic Separator

Model	BS-4	BS-6	BS-8
Paddle quantity (pc)	4	6	8
Angle adjustment (°)	10-25	10-25	10-25
Working area (m <sup>2</sup> )	8	12	16
Throughput (tph)	5-10	10-15	15-20
Power (kW)	5.5	7.5	11
Weight (t)	6	9	12



## Trommel Screen

Model	TS1806	TS2510	TS3010	TS3012
Drum diameter (m)	1.8	2.5	3	3
Drum length (m)	6	10	10	12
Throughput (t/h)	10	20	30	40
Power (kW)	11	18.5	22	37
Weight (t)	10	22	28	30



## Magnet

Model	RCYD-10	RCYD-12	RCYD-14
Width (mm)	1,000	1,200	1,400
Hoisting height (mm)	300	350	400
Magnetic field intensity (mT)	120	120	120
Power (kW)	3	4	5.5
Weight (kg)	2,700	4,100	5,600



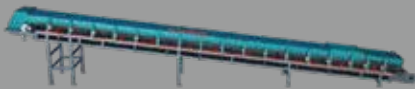
## Shredder

Model	PS30	PS50	PS70
Capacity (tph)	30	50	70
Cutting area (mm)	1,550×1,600	2,400×2,000	2,800×2,000
Shaft (pc)	2	2	2
Drive system	double hydraulic	double hydraulic	double hydraulic
Power (kW)	2×55	2×110	2×160



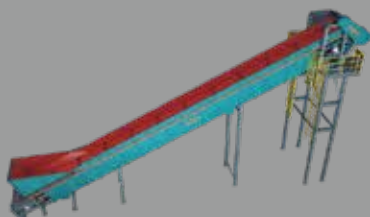
## Screw Press

Model	SP350	SP500	SP650	SP800
Capacity (tph)	10	15	20	30
Press limit (Nm)	130	160	260	320
Power (kW)	18	22	37	45
Weight (t)	3	6	7	10



## Belt Conveyor

Model	BC800	BC1000	BC1200	BC1400
Belt working width (mm)	800	1,000	1,200	1,400
Belt thickness (mm)	10	10	10-12	10-12
Throughput (tph)	10-20	20-40	30-60	50-100
Power (kW)	2.2	3.7	5.5	7.5



## Chain Conveyor

Model	CC1200	CC1500	CC1800
Slat working width (mm)	1,200	1,500	1,800
Slat thickness (mm)	6	8	8
Throughput (tph)	10-20	20-40	40-60
Power (kW)	5.5-11	7.5-15	15-18
Weight (t/m)	0.8	1	1.2

# REFERENCES



5 tph sorting system  
**in Thailand**  
(sorting + biogas)



600 m organic wastes  
conveying line  
**in Vietnam**



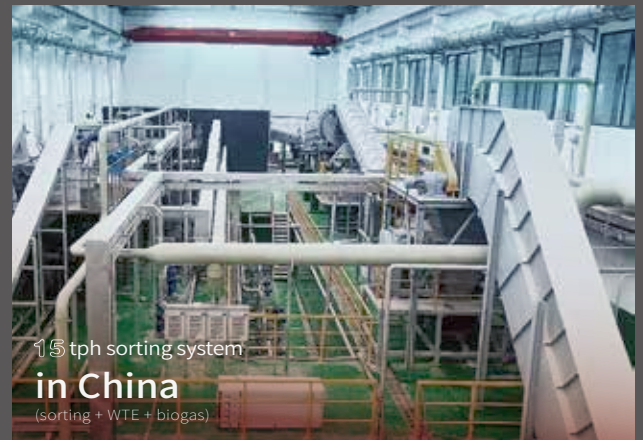
5 tph sorting system  
**in Thailand**  
(sorting + plastic recycling + biogas)



50 tph sorting system  
**in Vietnam**  
(sorting + plastic recycling + composting + WTE)



2\*50 tph sorting system  
**in Vietnam**  
(sorting + plastic recycling + composting + WTE)



15 tph sorting system  
**in China**  
(sorting + WTE + biogas)

# CONTACT

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