

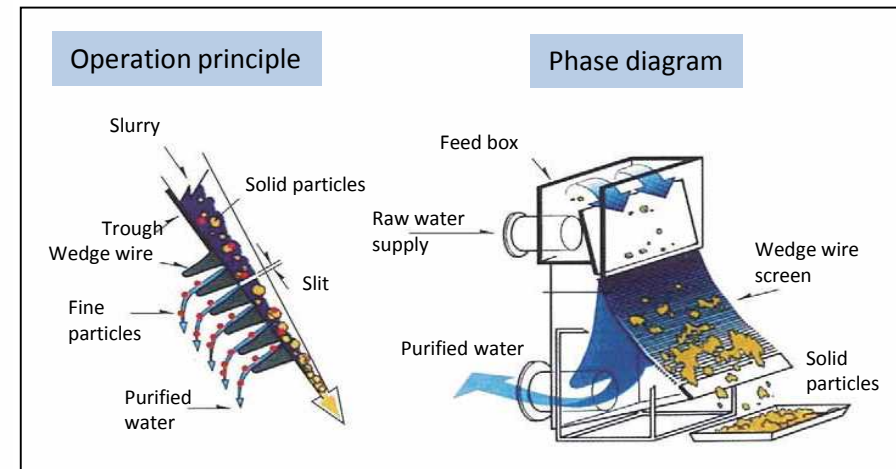


Inclined Solid-Liquid Separating Unit “ULTRA TN SCREEN” Toyo Screen Kogyo Co.,Ltd.

- Solid and Liquid separating screen for drainage treatment and production processes.



Application for dyeing drainage



Operational principle

Features

- Based on a strong wedge wire screen with a fine slit width.
- A product of simple construction that ensures ease of maintenance and prevents clogging of the screen as much as possible.
- Installed in a small area with few restriction with on operating power required.

Overview (Technical principles ,action, etc.)

The inclined solid-liquid separating screen is used for wastewater treatment and production stages. The screen has a large number of slits comprised of wedge shaped. As shown, when slurry is provided from the upper part in the tangential direction, the screen will continuously separate solid foreign particles that are as large as or large than half the slit opening width. There is a distance between the opening of each slit and the point of separating solid foreign particles from the slurry. The width of the point that separates solid foreign particles is half the width of the opening of the slit, which reduces the clogging of the screen as much as possible. Furthermore, the screen collects solid foreign particles continuously.

Toyo Screen Kogyo Co., Ltd. Sales Department 2-10-6 Kozen Ikaruga-cho Ikoma-gun, Nara 636-0103 JAPAN

TEL: +81-745-70-1700

FAX: +81-745-70-1701

Email: sales_dep@toyoscreen.co.jp

URL: <http://www.toyoscreen.co.jp/>



Team E-Kansai

Applications, Capacity

Applications

- Wastewater treatment at various plants for chemical, food, textiles, dyeing, leather products, etc.
- Wastewater treatment, classification, dewatering, and recovery at processing plants for agricultural and marine products.
- Solid and liquid separation at production process stages, such as chemical and food production stages.
- Treatment of public utility sewage, community sewage, and wastewater from multistory buildings.
- Intake gates of river water.

Capacity

Slit width vs. rough capability (per m²), classified by treatment water type (m³/h)

Slit	0.5mm	0.75mm	1.0mm	1.5mm
Dyeing cleaning drainage	50	60		
Fruit processing drainage	50	60	70	
Fish processing drainage		50	55	65
Disposal sewage			60	80
River water		100	110	130

Usage examples, Introductory track record

- A fine screen for drainage treatment with a sales record of accomplishment of more than 30,000 units in Japan.
- Factory effluent treatment, water treatment for fiber industries, paper mills, resin plants, sugar plants, tapioca starch plants etc.
- Countries: Thailand, Vietnam, Indonesia, Malaysia, Korea, China(including Taiwan), India, Iran, Saudi Arabia and others

