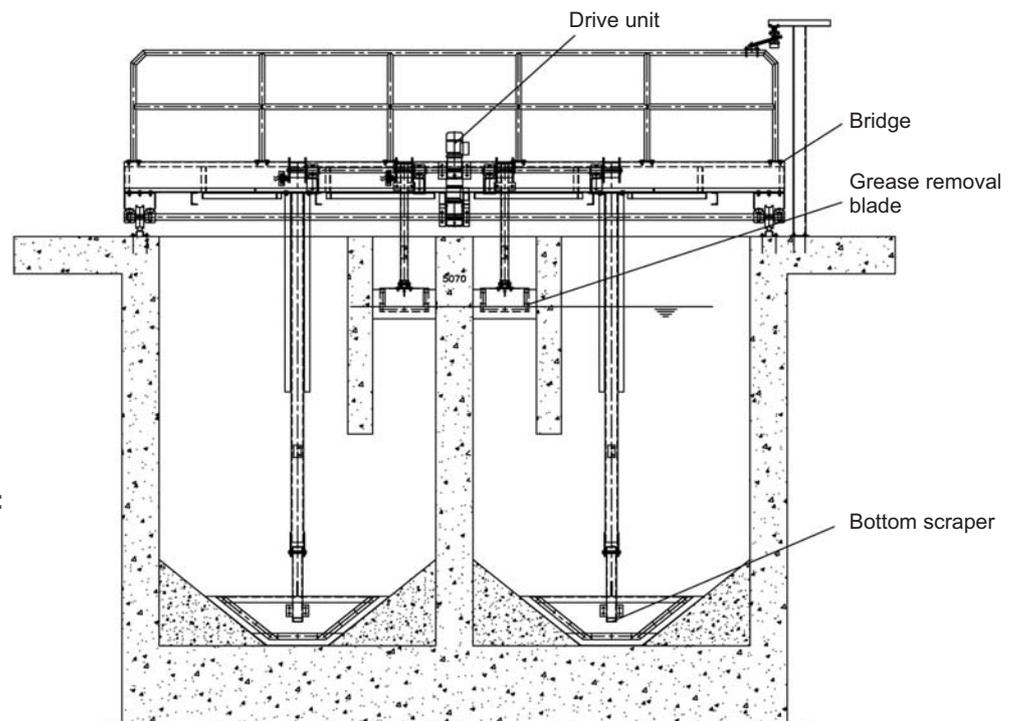


GRIT BRIDGE SCRAPER

Rectangular tanks are commonly used for sand removal in wastewater treatment plants as in aerated and non-aerated systems. A scraper bridge is used to remove sand, which is settled down to the tank bottom.

Bridge moves in both directions and scrapes the sand to either one the end of tank. Alternatively sand is removed to a channel by means of airlift or submersible type pumps to a side channel. Sand is generally washed to remove organic matter. It is then collected within a container for disposal. Grit bridges can be designed to scrape single, dual, triple and quadrant channels. For small installations, sand washing is incorporated on top of the scraper bridge.



Optional accessories:

- Control panel
- Sand washing unit
- Sand pump
- Grease removal unit

Grit bridge scraper consists of following main parts;

Bridge

It is constructed from standard or folded type profiles by welding. Walkway is manufactured from galvanised grating. Hand railing of the bridge is made of standard galvanised pipes and bolted to the bridge.

Drive unit

It is formed by a geared motor which is located at the middle of the moving bridge and two drive wheels set which are located at both ends. Each wheel set has one duty and one idle wheel. Centrally located drive unit carries the movement to the drive wheels by means of the horizontal shaft. For long bridges, two drive units are utilized at both ends. Rubber wheels or steel wheels and rail combination can be used for bridge tracking.

Bottom scraper system

Bottom scraper fixed to the bridge, are made of standard profiles and pipes. Universal joint gives the flexibility to move when scraper blade confronts an obstacle.

Rubber blade is located at the edge of scraper. Rubber edge is replacable when it is worn out, by means of bolted construction.

Grease removal system (optional)

If required, a grease removal system made of welded standard profiles and sheets are provided to collect grease and discharge it to the grease trough.

MAN 3010 06.09-E



GRIT BRIDGE SCRAPER



MASS ARITMA SİSTEMLERİ İNŞAAT SANAYİ VE TİCARET A. Ş.

Gebze Organize Sanayi Bölgesi, 700. Sok., Gebze 41480 Kocaeli - Türkiye

Phone: +90 (262) 751 2210 pbx Fax: +90 (262) 751 0730 e-mail: info@massaritma.com <http://www.massaritma.com>