COMPLETE WASHING PLANTS

TRIM AX WASHING SOLUTIONS

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Our modular complete washing plants consist of several modules which perform the functions of CLEANING & SCREENING, DEWATERING, AND RECYCLING.

CLEANING & SCREENING MODULE

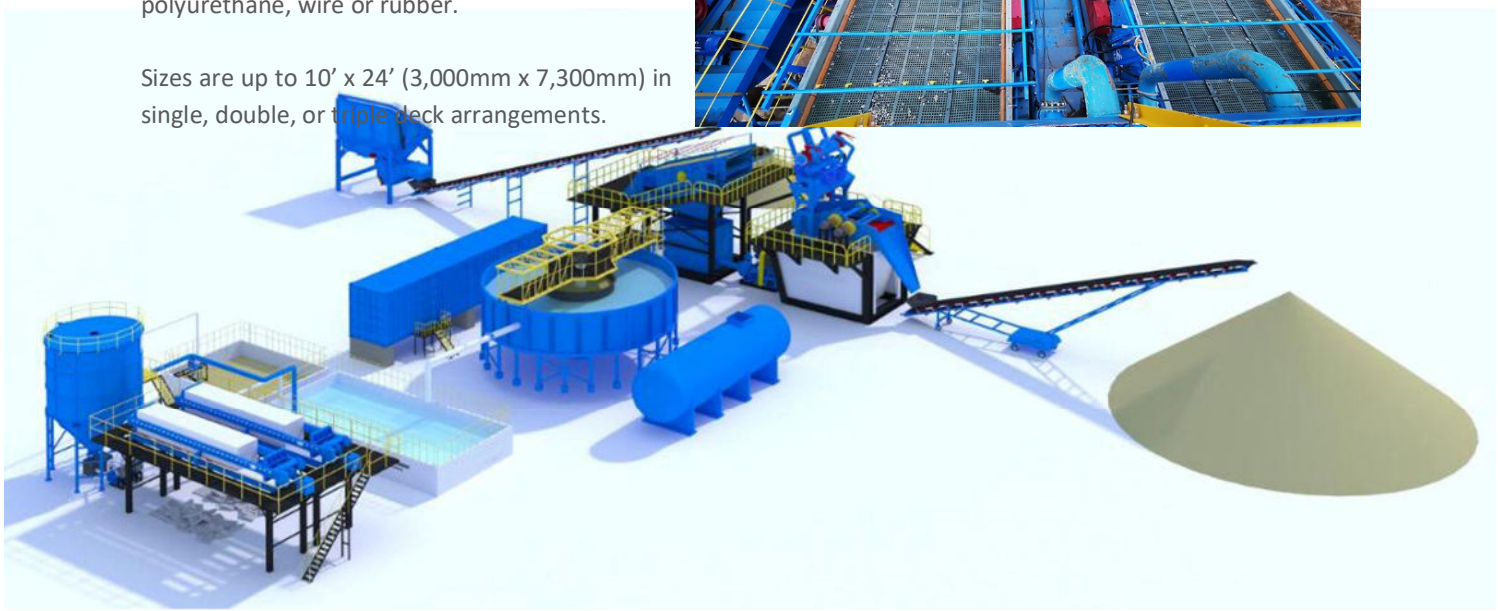
Blade Mills are tough and efficient. They are designed to scour, abrade and breakdown deleterious, water-soluble clays from coarse rock and/or sand. They typically are placed ahead of washing screens to improve screening efficiencies.

Blade Mills should be installed on a slope of 0 to 5 degrees and certain models have a maximum feed size up to 100mm.

Blade Mills are designed to help producers begin liberating light, loamy clay or dirt from either coarse rock and/or sand before further processing. Blade Mills can be used in a variety of applications. For example, when washing coarse rock, the Trimax Blade Mill can be placed ahead of a wash screen to result in cleaner rock or ore. When washing finer materials, such as sand, the unit can be placed ahead of a screen. As all the material and water exit from the Blade Mill unit, the dicharge material cannot be fed onto a conveyor belt. Generally, the amount of water needed for a Blade Mill is an additional one-third of the weight of the material being processed.

Our **Washing Screens** are designed for maximum efficiency and with minimum maintenance. All our washing screens are fitted with water spray bars and polyurethane wear liners and can be fitted with a range of screening media options including polyurethane, wire or rubber.

Sizes are up to 10’ x 24’ (3,000mm x 7,300mm) in single, double, or triple deck arrangements.



RECOVERY & DEWATERING MODULE

Our sand units consist of a hydrocone and dewatering screen. This module eliminates loss of quality fines to ponds/lagoons and reduces moisture content of the final sand product.

The use of a sand unit equipped with hydrocyclones is the best way to achieve good washed sand. This method works by the elimination of fraction below 75 µm grain size (200 mesh). Its performance is much higher than that carried by other machines such as water wheels or washing screws. The result is a high quality sand, with very low content of particles lower than 75 µm but retaining the fine sand.

RECYCLING MODULE

Water treatment is composed of elements such as the Thickener Tank, Flocculent Tank, Water Tank, Sludge Tank/Silo and Filter Press.

Thickener Tank

Waste water from your washing plant is delivered to the Thickener Tank to allow maximum time for material settlement.

Water Tank

Stores and allows clean water to be introduced to the washing plant.

Sludge Tank

Temporarily stores the sludge from the Thickener Tank before it is fed into the filter press.

Filter Press

Capable of separating liquid from solids under pressure.