

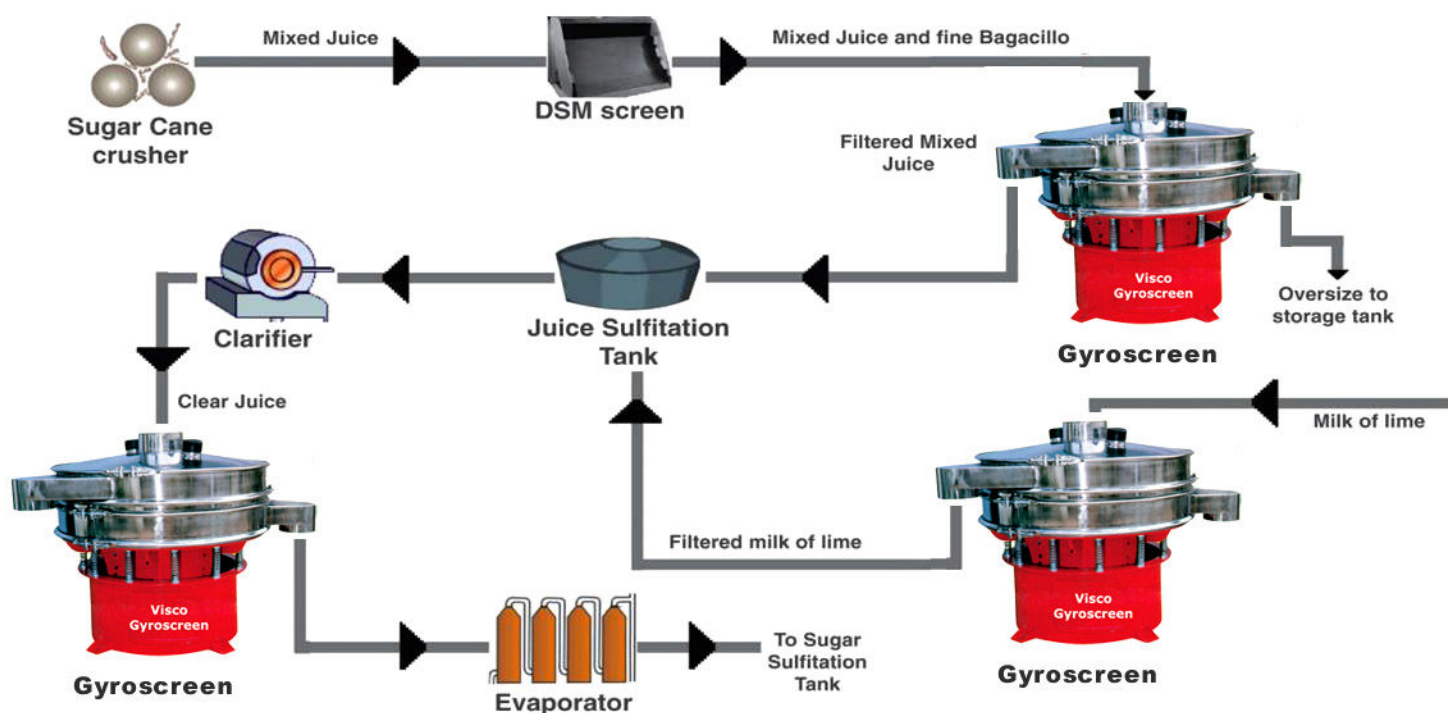
Improve
the Quality of your
Sugar Production
and Save Money

Guarantee
the color improvements
in sugar up to 20 ICUMSA

By Using Gyro screen

Mixed Juice, Clear Juice & Milk of Lime Screening

The Visco **Gyro screen** is ideal for removing bagacillo from mixed juice, clear juice and grits from milk of lime. Bagacillo releases coloring matter at high temperature especially after liming. This rise in color can be eliminated or minimized by reducing the quantity of bagacillo in the mixed juice & clear juice by the Installation of the Visco Gyro screen.

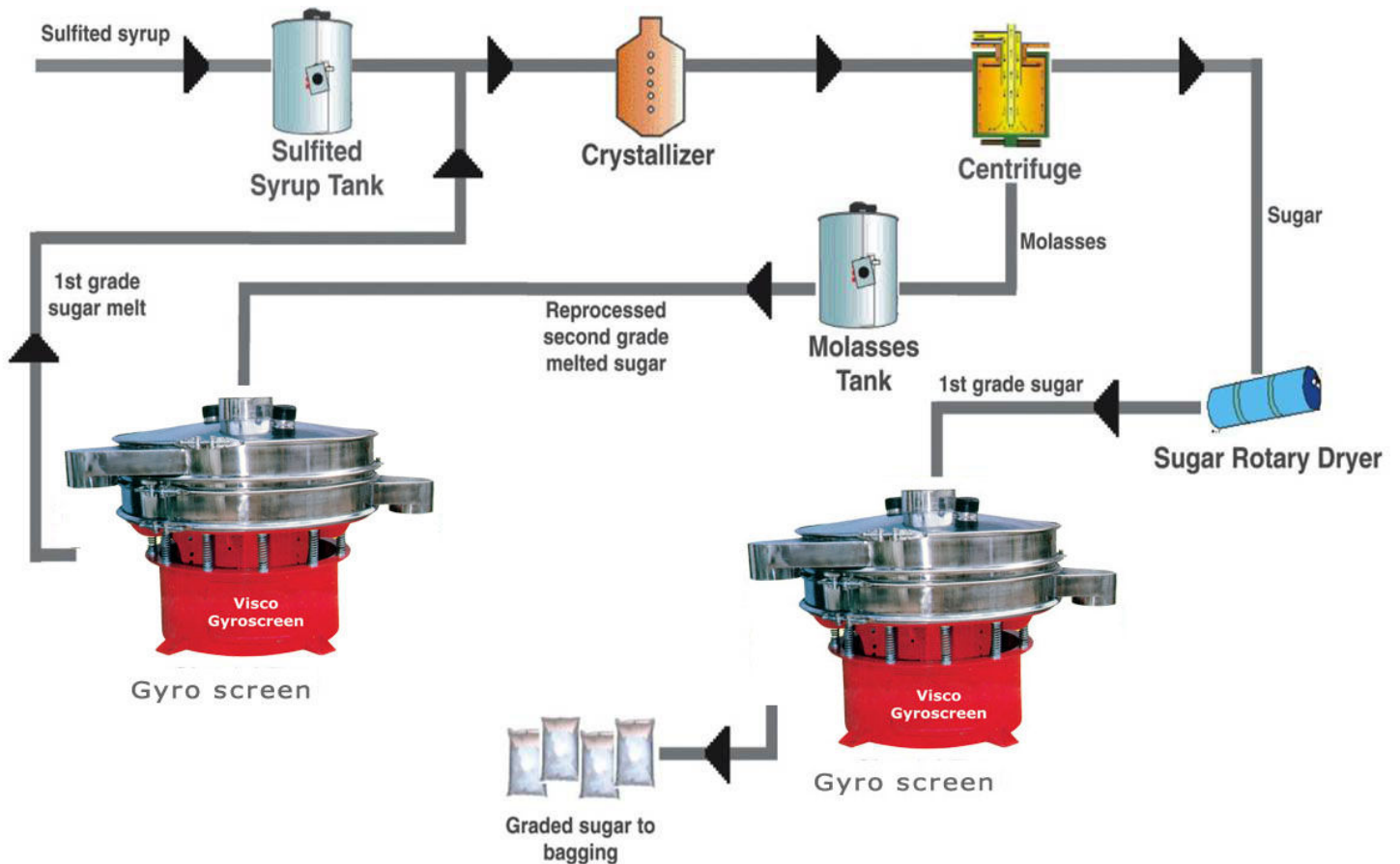


Efficient Separation

Technology to increase extraction at mills has increased bagacillo levels in mixed juice. Bagacillo releases coloring matter at high temperature especially after liming. This can be avoided by the use of a Gyro Screen device to remove bagacillo from mixed juice. These devices can be called as pre-clarification station. The screen vibrates in three directions – horizontal, vertical and tangential and thus blinding of screens by particles close to the aperture size is avoided and screening efficiency is maximized. **It is possible to remove about 70 % of the bagacillo using gyroscreens.** These Gyro Screen devices will help value addition to sugar by way of color improvement, keeping the cost of production low and leading to the profitability of the sugar industry. In the trials conducted at various sugar factories, there was almost total elimination of bagacillo above a particle size of 270 microns and **color improvements in sugar up to 20 ICUMSA** units were observed. Thus these Gyro Screen could be beneficial to improve quality of raw sugar and have shown benefits in improving processing of plantation white sugar by double sulfitation. The Gyro Screen can also prevent entry of impurities from milk of lime, filtrate, syrup and seed slurry.

Sugar Melt & Sugar Crystal Screening

The Visco Gyro screen is ideal for removing sugar grits, foreign particles & any other contamination from sugar melt at high process rates for making first grade sugar from sugar melt.



Sugar Melt Screening

Sugar Melt is produced by melting of Second grade sugar. Impurities in the sugar melt can be removed efficiently by the Visco Gyro Screen to improve the quality and value of the sugar melt so that it can be converted into first grade sugar.

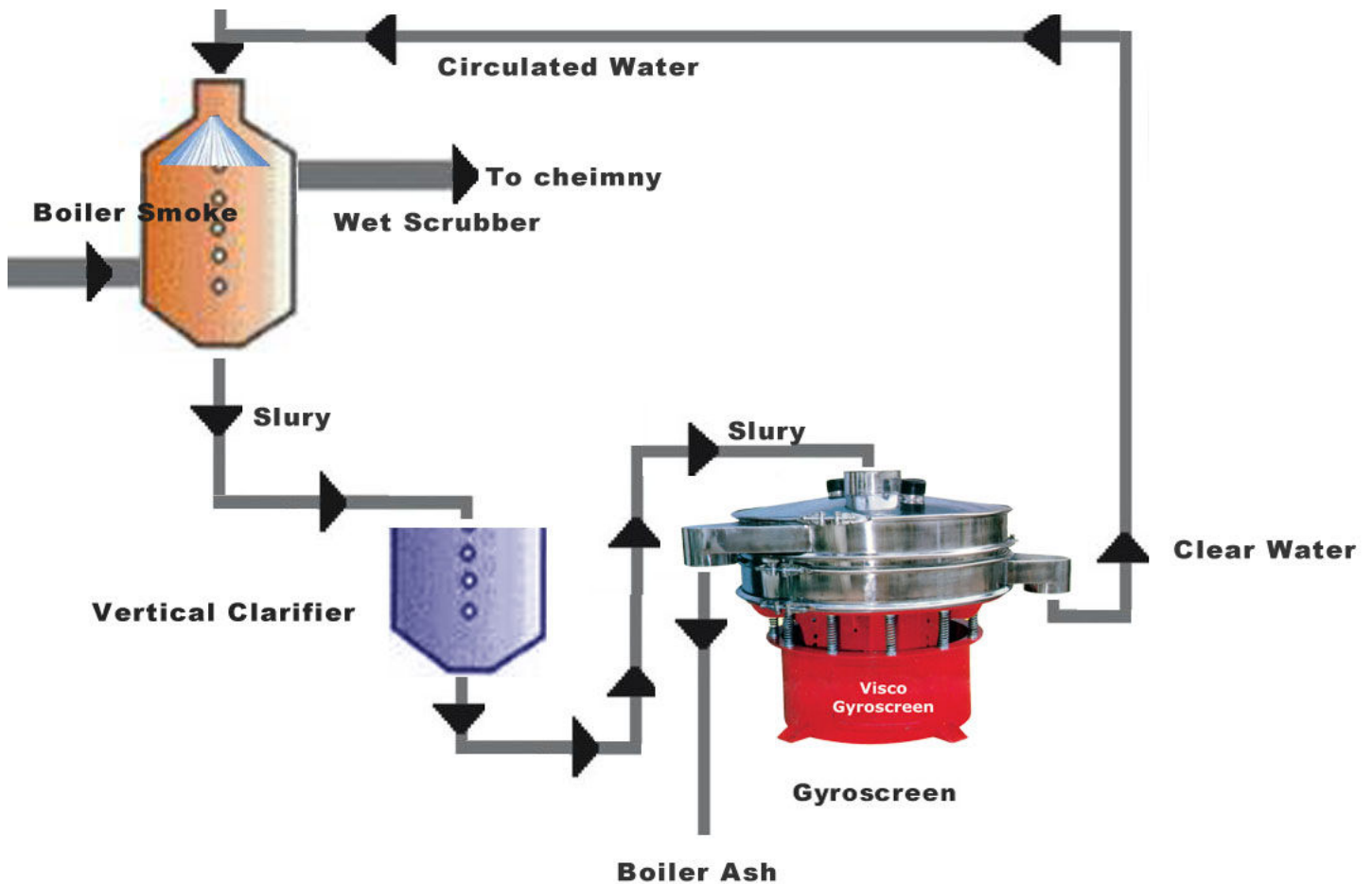
Sugar Crystal Screening

Refined Sugar can be graded into different sizes accurately by the installation of a multi deck Visco Gyro Screen with low power consumption (5 Hp) and high Capacity (8-10 tons/hr).

These Separators are available with anti clogging devices and dust covers to give continuous high production rates and low running costs.

Ash Screening of Wet Scrubber

Gyro Screen is being widely used as ash handling system of wet scrubber in boiler. It screened boiler ash from slurry continuously.

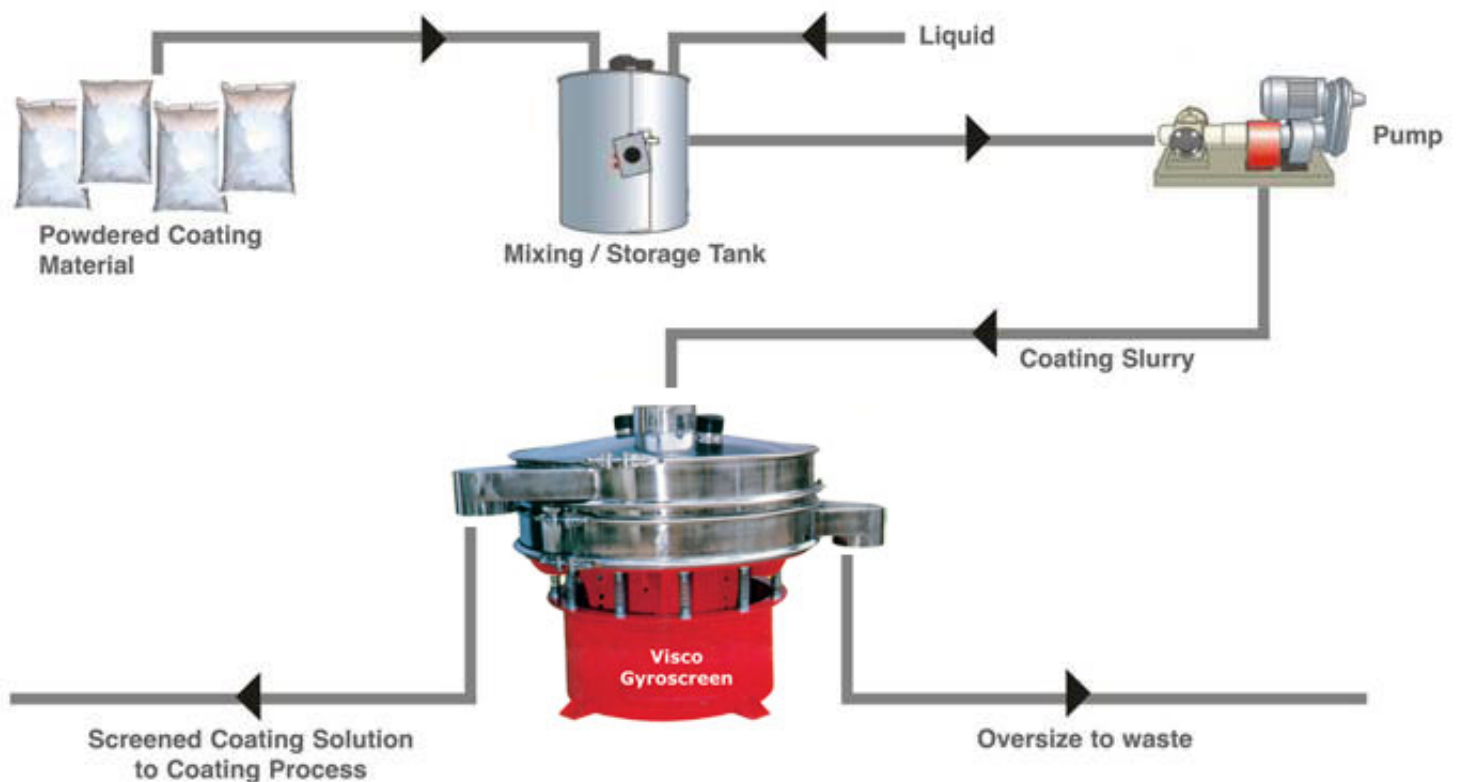


Improve the Quality of Your Paper Products and Save Money

Coating Chemical & Starch Solution Screening

The Visco Gyro Screen is ideal for producing contamination free paper and paper board products. It will continuously remove any lumps & contamination from coating & starch solutions, so that the coating blade does not get choked with contamination. This means that an even and consistent coating is applied to the paper to ensure the highest quality production with minimal product rejections and reduced downtime of your plant.

These Separators are able to continuously remove contamination and are available in a range of sizes to meet the demands of a wide range of applications and production plant capacities.



Improved Quality

Removal of foreign particles from coating and starch solutions ensures an even and consistent coating is applied to your products to assist in producing the highest quality materials for your customers.

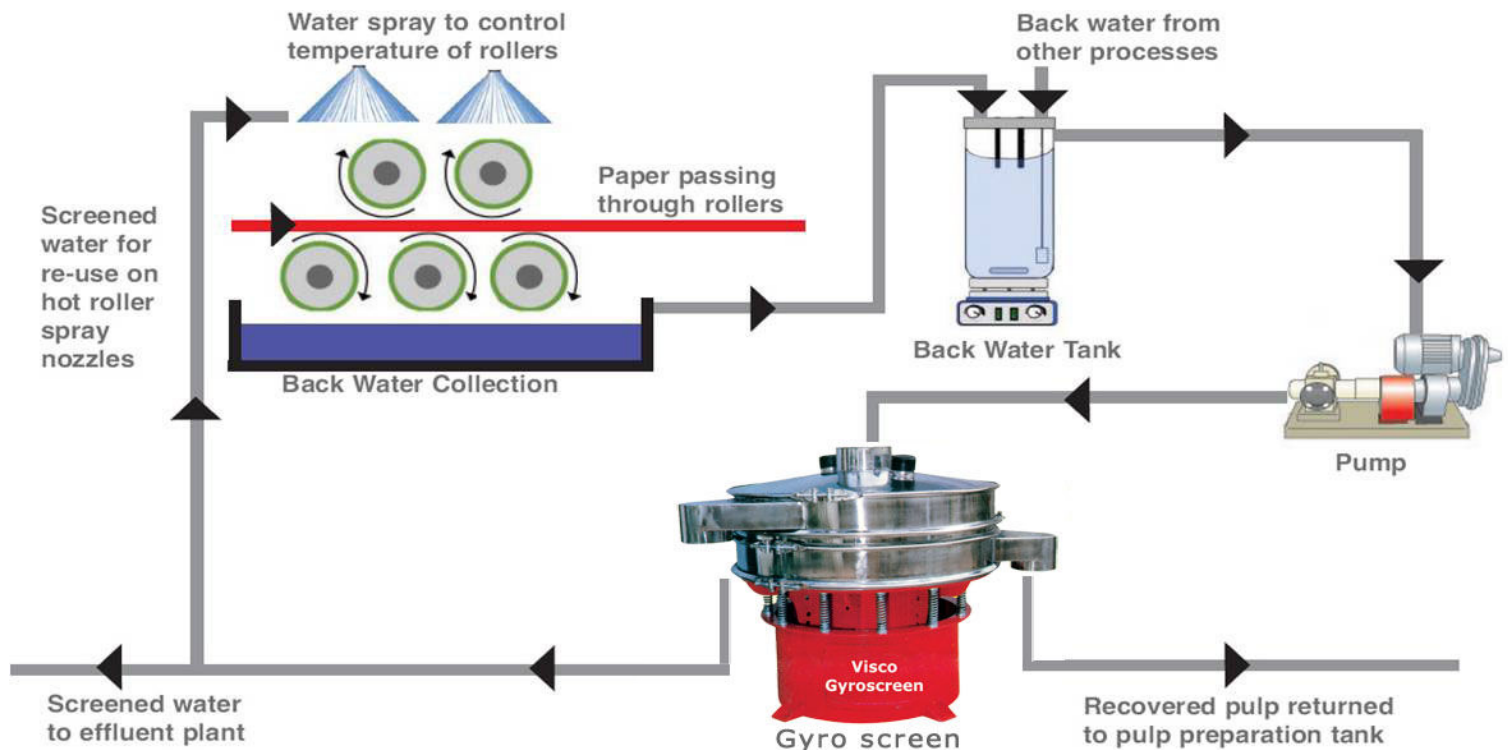
High Process Rates

Contamination is continuously separated from your coating solution and automatically discharged from the Separator to maximize throughput.

Pulp & Back Water Cleaning and Recovery

The specially designed Visco Gyro Screen are able to consistently remove pulp from back water at high capacities.

The Separators are high performance machines capable of continuously recovering pulp fibers from back water so that the recovered pulp and water can be re-used.



Efficient Recovery of Pulp

The Visco Gyro Screen separates pulp fibre from back water continuously and consistently. The recovered pulp can be re-used in the paper making process, which gives very fast payback on the investment of equipment.

Reduce Operational Cost of Effluent treatment Plant (ETP)

You can make considerable savings in the use of chemicals and maintenance costs in your effluent treatment plant. Over 75 % of pulp fibre is removed by the Separator. The back water which is sent to the effluent treatment plant has minimal fibre contamination which needs to be treated.