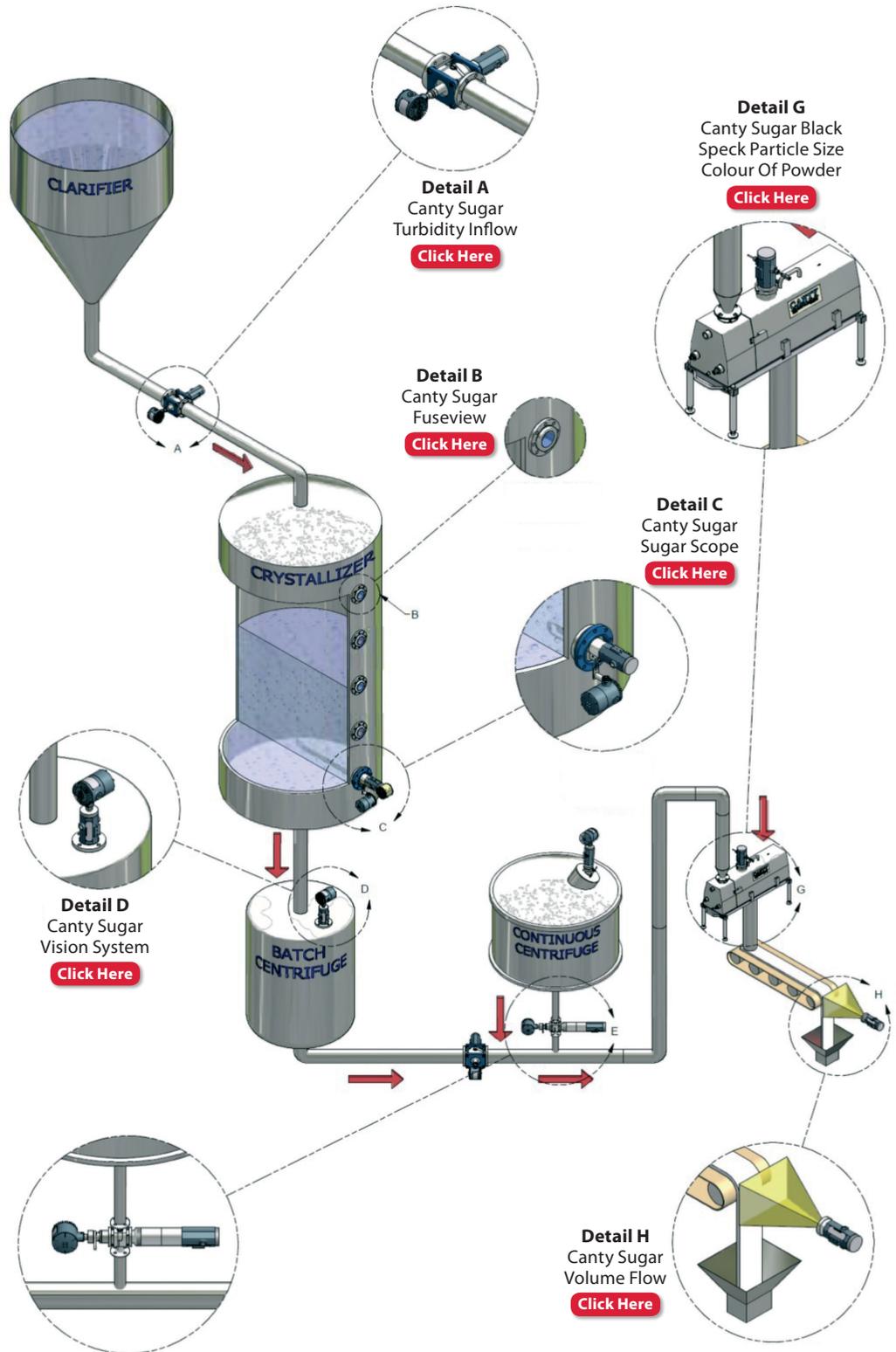


ABLE Sugar Industry Application Road Map

ABLE's process vision equipment can be applied to a large range of Sugar Industry applications

While the basics of mass sugar refining have not changed significantly in the last 200 years, it is important to take advantage of new, cutting edge technology to allow the production processes to run more efficiently and produce a higher yield. CANTY's range of dynamic imaging systems can be used to do just that, by providing unparalleled views into the process, and generating useful data that can be used for process control optimization. Sugar production processes where this technology can be employed include clarifying, crystallization, centrifuging, and product quality control.

The sugar crystallisation process is typically monitored by operators viewing through a series of the sight glasses on the side of the vessel. The process takes place under vacuum, so it is important to have no leak paths in order to maintain a full vacuum, boil at a lower temperature, and therefore save on energy. If a tempered glass sight glass is used, it is often installed without being fully tightened in place due to the risk of cracking the window either during installation, or during process operation as the unit experiences local expansion and contraction during temperature cycling. By using a Canty Fuseview™ which features a metallic outer ring fused to glass, the user is tightening on metal so cannot over torque and damage the window. As a result, a full seal is maintained, and so a full vacuum is achieved, resulting in significant energy savings.



Canty Sugar Brochure

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