

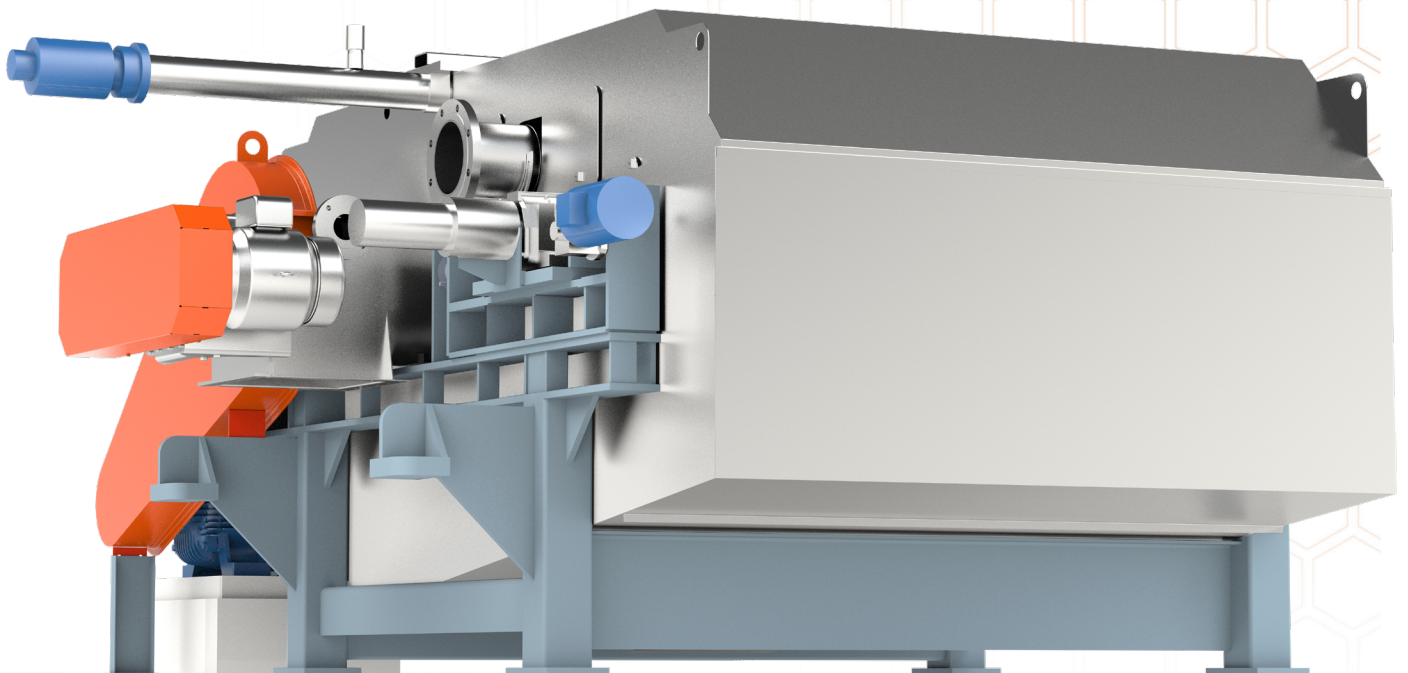
**DNT™**

# High Speed Washer/Thickener

Excellence in pulp washing  
and thickening technology

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*Washes and thickens stock  
up to 15% consistency*



# DNT™

## High Speed Washer/Thickener

### Applications

The Black Clawson DNT Washer can wash and thicken stock up to 15% consistency. It is ideal for removing ink, ash and other contaminants from a variety of furnishes. High speed dewatering permits efficient removal of ink and ash from fiber, producing high tonnages of thoroughly washed stock in a compact space. The unit is cantilevered to use an endless wire, and is available in two sizes - the Model 100 and 200.

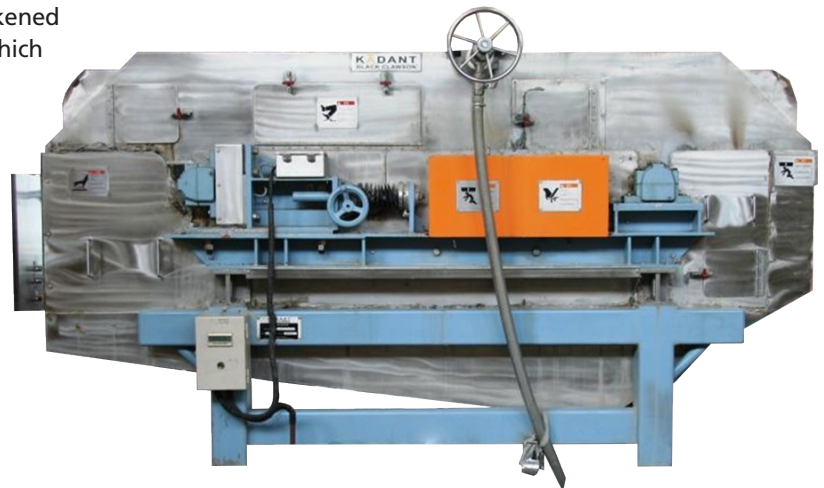
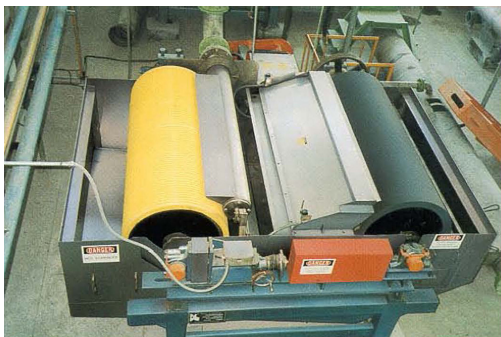
An optional electro-mechanical roll guiding mechanism is available for mechanized roll trimming, or for use with wires not having V-guides.

### Controls

The DNT is supplied with an integral strain gauge and readout for wire tensioning.

### Operation

The DNT Washer is fed by a head box, using a synthetic wire as the dewatering medium. Stock is fed from the headbox into the first nip formed by a deeply grooved breast roll and the wire, resulting in high feed stock capacity and efficient washing. The stock is deposited on the wire and dewatered around the breast roll, traveling to the couch roll, where it is dewatered a second time to produce highly washed and thickened stock up to 15% consistency. A doctor blade removes the thickened stock from the couch roll into a screw conveyor, which discharges the stock from the washer.



### Benefits



Compact-high tonnage in a small space



Improved design-efficient washing at high basis weights



Simple roll pattern-easy wire change



Completely enclosed-cleaner and quieter operation



Simple wire tracking and tension design



No vacuum leg-reduced installation cost



Available stainless steel frame

## KADANT

For patent information about this and other Kadant products visit <https://kadant.com/en/patents>

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06/2024