CONTINUOUS CENTRIFUGAL VERTICAL HYDRO-EXTRACTOR MODEL
SCPC-TE OPERATING PRINCIPLE

Step 1: Initial feeding

Step 2: Pusher plate actuated / displacing initial feed

Step 3: Newly fed material is introduced / pusher plate is retracted

Step 4: Pusher plate is actuated and constantly displaces fibers
The centrifugal hydro-extractor is installed in continuous processing lines, and requires a continuous fiber feed to maximize operational efficiency.

The two-stage centrifuge basket has a vertical wedge-wire filtration screen, facilitating liquid removal under centrifugal force.

The hydraulically actuated lower stage of the basket acts as a pusher and is continuously axially reciprocated [Steps 1 & 2].

In this process, newly fed material [Steps 3 & 4] constantly displaces previously fed material fed to the hydro-extractor [Steps 5 & 6].

The fibers are ejected in a pulsed manner into the fiber discharge chute [Step 7].
CUTAWAY DIAGRAM: SCPC CONTINUOUS CENTRIFUGAL HYDRO-EXTRACTOR

1- Continuous fiber feed through chute
2- Extraction ventilator / Aeration Fins
3- Two-Staged basket with vertical slots
4- Bearing housing
5- Rotating seal
6- Liquid outlet
7- Dried fiber discharge
8- Treatment product inlet (optional)