



**Mechnolink Wet Disintegrator** Model MP 371 is designed to disintegrate cane and Bagasse in water to produce a mixture consisting of a homogenous solution and the insoluble fibred fraction of the cane.

This machine has capacity of 14 Liter with water cooled bowl jacket of Stainless Steel. A 5Hp 220/380V electric motor 2800 rpm drives a rigidly mounted stainless steel shaft by means of one timing belt with 6000 rpm speed.

The cutting mechanism consists of four cross-mounted alloy steel detachable blades. Internally ribbed stainless steel bowl is fitted onto the machine by a wedge action clamp arrangement.

As the bowl clamps into position, it activates a safety micro switch which unlocks the electrical control box and allows the machine to be started. The micro switch opens the circuit when the bowl is removed thereby preventing accidental starting of the machine.

The machine is controlled through PLC based system. For client's assistance we have pre-set timer for 20 minutes and it will switch off automatically by the end of this sample period.

## **OPERATION PROCEDURE**

- Put 1 - 2kg mixture to the sample mug with water 5 - 6 Liters and “ON” the Main Switch
- Push the button “Bucket up” and bucket will lift upside at rotating position by limit switch control.
- Push the Start button for operation to run the machine and wait 20 minutes to complete the sample process. Blue light indicates operation in process.
- Push the button “Down Bucket” after stop the machine. Bucket will work downward controlled by limit switch.
- Push the lever to release the sample material from bucket into pan.
- Rinse the bowl with fresh water and prepare for new sample.
- In case of Emergency stop machine, Push the “Emergency button” and unlock the emergency button for normal operation again.

