



## No.2543

## Experimental orientated sheet former

The pulp and paper industry has been confronted with diverse problems such as requirements for resource saving, energy saving, and environmentally friendly activities, as well as development of value added products. Much attention has been devoted to relationship with the practical paper making machine, retention of filler and chemicals, and high concentration paper making. We KRK have developed an orientated paper machine that can be used instead of the conventional hand-making sheet machine. It is capable of changing the paper orientation as desired. Operation principle: slurry of a certain concentration is sprayed through the nozzle onto the wire mesh with water wall, to form paper on the wire on the drum inner wall. With this machine you can make orientated paper sheets, and check the filler retention on the paper making machine with high accuracy and reproducibility.

## &lt;Features&gt;

1. Making paper and paperboard of diverse physical properties and optical features
2. Orientation of various kinds of paper and paperboard, correctness of MD/CD
3. Paper making with filler retention on the wire and felt
4. High concentration paper making available
5. Making of combined board
6. Measurement of the effect of retention improving agent
7. Automatic dehydrator makes high quality sheets without inter-operator variation

**Paper making speed:** 600 to 1700m/min (speed variation with inverter)

**Paper making size:** 180mm wide, 750mm long

**Power source:** three-phase 200/220VAC 50/60Hz 10A

**Outer dimensions:** 1550 x 1000 x 1500mm

**Instrument weight:** 708kg

