

No.2558-I

Sheet machine with white water recovery and suction devices (with automatic couching system)

The paper sheet handmade according to the method given in the ISO standard is significantly different in formation, fiber orientation and strength from the sheet made by Fourdrinier machine (practical machine). The No.2558-I was developed to provide a paper-making condition similar to the practical machine in the dewatering process. The white water recovery device recovers fine fibers and filler, and the suction device sucks away the water at a negative pressure. A wide range of paper-making conditions is available. It is also possible to make paper as with the standard square machine. With this machine, the couching operation is automated, alleviating workload of the operator.

Paper making dimensions: 250 × 250mm or 158mm in diameter

White water chest: capacity 120 liters, made of SUS-304, with agitator

Vacuum tank: SUS-304

Vacuum degree: max. 600mmHg

Vacuum pump: 75 liters/min., three-phase 200/220VAC 0.4kW

Number of couching operations: 5 (1 to 9) by presetting counter

Couching speed: 200mm/s (selectable from 100 to 300mm/s)

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

Air source: 0.5MPa

Outer dimensions: 2000 × 980 × 1600mm

Instrument weight: 670kg



No.2558-II

Sheet machine with white water recovery and suction devices (with automatic agitator)

In pulp and paper laboratories, paper handmaking is one of routine work. This work involves many manual operations, needing much time and labor, and there is a potential of inter-operator variance handmade sheets. As a solution for these difficulties, we have developed this labor-saving machine. It automatically performs steps including opening/closing paper making tank, water feed, agitation, discharge and couching, thereby alleviating workload of the operator and enabling uniform sheet making.

Standard specification: the same as the sheet machine No.2558-I with white water recovery and absorption devices

Paper making size: 250 × 250mm

Specimen tank: automatic opening/closing

Number of agitation operations: selectable from 1 to 9

Water level in specimen water tank: automatic level setting with sensor

Number of couching operations: 5 (1 to 9) by presetting counter

White water chest: capacity 120 liters, made of SUS-304, with agitator

Vacuum tank: SUS-304

Vacuum degree: max. 600mmHg

Vacuum pump: 75 liters/min., three-phase 200/220VAC 0.4kW

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

Air source: 0.5MPa

Outer dimensions: 2210 × 890 × 2250mm

Instrument weight: 980kg

