

No.2572

## Air dryer (for square-type handmade paper)

The purpose of the drying process is to dry and adjust humidity in the final process of paper sheet making. As pressed onto the drying plate, paper sheets are set between drying rings, stacked, and then placed inside the equipment. When exposed to wind from the fan, water in the paper sheets evaporates. Optionally, it is also possible to incorporate an electric heater for faster drying.

**Handmade paper:** 25 x 25cm (or 40 x 40cm)

**Dry ring:** 8 pieces

**Dry plate:** 7 pieces (made of SUS-304 or brass chrome-plated)

**Weight:** 1 piece

**Fan:** single-phase 100/110VAC 50/60Hz 3A

**Outer dimensions:** 550 x 1110 x 630mm (25 x 25cm)

**Instrument weight:** 48kg



No.2576

## Large-size rotary dryer

This dryer dries wet mats in a Yankee dryer-like manner by holding the mats with canvas. It works well when continuously drying a large volume of sheets. To make it easy to mount wet paper onto the conveyor belt, it is designed to allow paper feed from the front side. The rotation of the cylindrical drum can be changed to allow adjustment of the drying time as desired. It also enables polishing of the paper being dried through the mechanism in which paper sheets are pressed against the rotating drum of the squeeze roll when a pressure up to 500N/cm is applied on the rotating drum. With this dryer, it is also easy to replace the canvas as you can disengage the fastener at the joint section. After completing operation, the electrical circuit is automatically disconnected when a certain length of time has elapsed.

**Dryer drum:** 800mm in diameter, 350mm wide  
SUS-304 hard-chrome plated, mirror finished

**Temperature range:** room temperature to 180°C

**Heating:** electric, three-phase 200VAC 9kW far infrared heater

**Temperature controller:** non-contact surface thermometer

**Conveying speed:** 0.2 to 5m/min. steplessly variable

**Conveyor belt:** heat resistant canvas (endless)

**Squeeze roll linear pressure:** 100 to 500N/cm, with air cylinder

**Motor:** three-phase 200/220V 0.2kW

**Air source:** 0.5MPa

**Outer dimensions:** 700 x 1300 x 1600mm

**Instrument weight:** 410kg

