

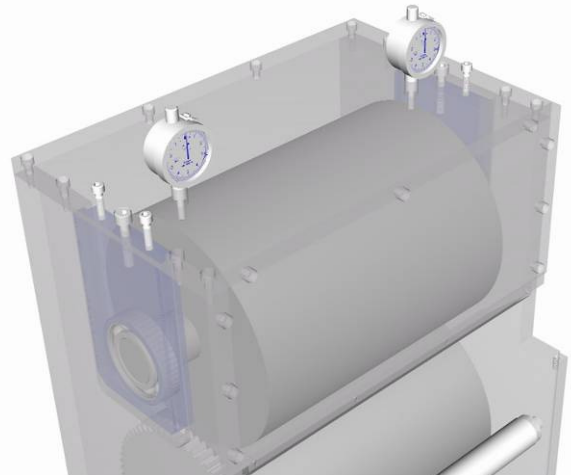
HOT ROLL PRESS

- **Large Diameter of Rolls**
Big rolls diameter to make the pressed products as flat as possible.
- **PID Control Heating**
Upper and lower rolls are heated respectively with PID controller to keep surface temperature of rolls even and stable.
- **Adjustable Roll-Press Gap**
Press gap can be changed and the displacement is shown immediately.
- **Variable Speed**
Motor speed is controlled by a digital inverter with definite speed index.
- **Safety guard and Scraper**
A fingers guard in front to prevent unexpected poking, and a scraper at outlet to take the products apart from lower roll surface.



FEATURES AND APPLICATIONS

The more small roll, the more products curled after roll-pressing. This machine then contains two large rolls (215mm Dia.) for producing the most plane sheets. Besides, gap between two rolls can be adjusted precisely.



Both rolls are heated by tubular heaters respectively with PID control. The available heating width is 200mm. and cold pressing range could be 280mm .

Motor speed in this machine is regulated by an inverter; there is a 4-digits display to show the present frequency, it's proportioned to motor speed linearly. Considering transfer rate of heat, we sometimes should slow down motor speed for good results.

Because the soft product is easy to turn along with lower roll and drop into the machine. There is a scraper at outlet to assure the pressed sheets sparated from roll.

(Loading)



(Scraper)



OPERATION

It's easy to use this equipment. (1) Press start button to run the motor and adjust the speed, (2) Switch on heating system and set temperature, and (3) turn the adjusting bolts to get a correct gap for roll-pressing.

The lower roll is coupled with an AC motor. And the upper one is passive. The gap between both rolls can be changed by lifting or dropping upper roll.



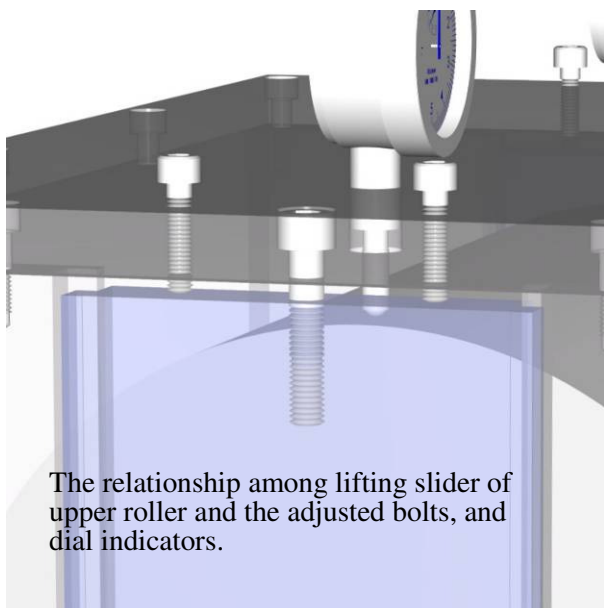
(Heaters switch)



(Gap adjusting)

When both rolls clamp together, the upper roll starts to rotate due to friction, but it will always be static if the upper roll is suspended although motor keep running.

For even heating, it's better dropping the upper roll down to rotate when the heating system is on.



The relationship among lifting slider of upper roller and the adjusted bolts, and dial indicators.

Gap between both rolls can be adjusted even they are rotating. Let the probes tip of dial gauge touch upper roll surface, the variation shown on meters will help us to adjust it quickly. We suggest uninstalling the dial gauges when the machine get off duty.

SPECIFICATIONS

- **Outside Dimension:**
480Wx520Dx500H
- **Weight:** 145Kg
- **Roller Width:** 280 mm
- **Available heating width:** 200 mm
- **Press thickness range:** 0-5mm
- **Roller gap indicators:** Dial gauge, 0.01mm
- **Speed:** 0-9 mm/sec (variable)
- **Heating Temp.:** 55±1 °C
- **Motor:** 220VAC, 1/2 Hp
- **Heater:** 500 W x 2
- **Roller surface treatment:**
Surface hardened and polished, the hardness can be HRC 55 (1990MPa)
- **Material:** Carbon Steel
- **Power Input:** 220VAC, 2 Kw