

## Model HR-02

# HOT ROLL PRESS

- **LARGE ROLLER DIAMETER**  
Both upper and lower roller diameter 215mm to make work objects flat.
- **PID CONTROL**  
Each roller is heated by a electric rod heater respectively, and controlled by the PID thermostat.
- **ADJUSTABLE ROLL GAP**  
The roll gap is adjusted by bolts and measured with dial gauges in time.
- **VARIBLE SPEED**  
Roll speed is varied by a AC Motor Drive (Inverter), and display the supply frequency as speed index.



(Inlet Guard)



(Outlet Scraper)

- **OUTLET SCRAPER**  
A scraper is installed on outlet to depart the products from roller surface.
- **SAFETY**  
A front fingers guard is installed on inlet to prevent the unexpected poking.

## OPERATION OVERVIEW

It's simple to handle this device:

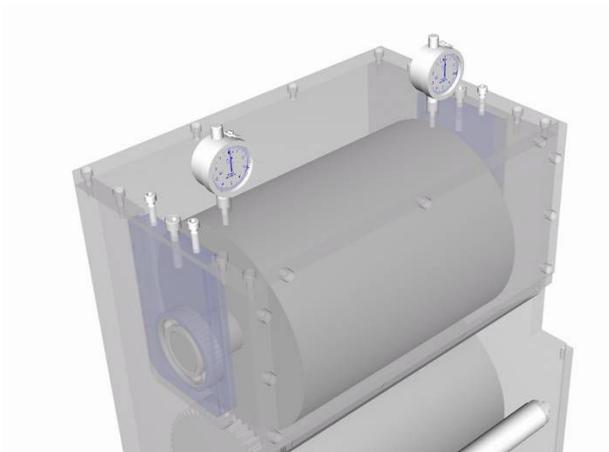
- (1) Power on motor and adjust speed.
- (2) Switch on the PID controller (left lower figure).



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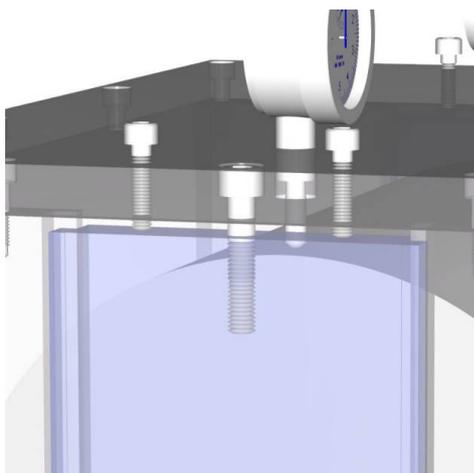
(3) Adjust the roll gap (right upper figure).

Lower roller is active, and the upper one is passive. Gap between two rollers can be regulated by lift or lower the upper roller.



The upper roller rotating only when both rollers touch together, it will be always stationary if upper roller is suspended.

Roll gap can be adjusted in running.



(Gap adjusting mechanism)

## SPECIFICATIONS

- **Outside Dimension:** 480Wx550Dx530H
- **Weight:** 110Kg (Net)
- **Roller Width:** 280 mm
- **Available heating width:** 200 mm
- **Max. thickness:** 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 ground, hardness HRC 55 (1990MPa)
- **Material:** Carbon Steel
- **Power Input:** 220VAC, 2 Kw