

SPECIFICATIONS



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<1> SPECIFICATIONS

(1) Outline

1) Purpose

This equipment preheats boards by hot rolls while sending the boards from the upstream system.

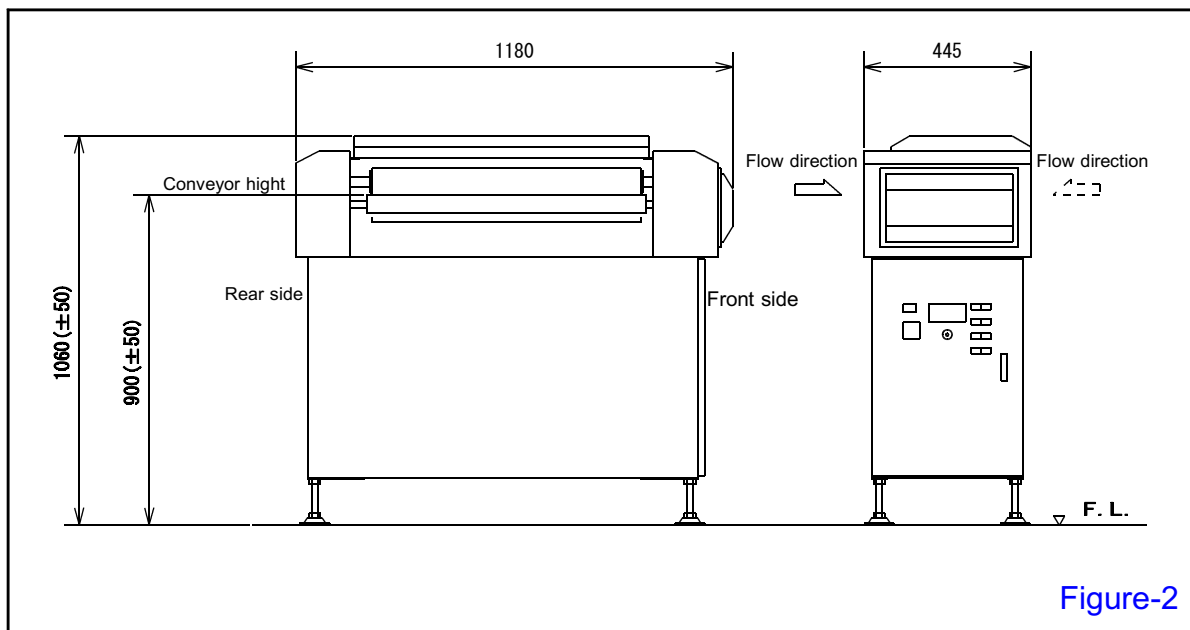
2) Structure of the equipment

1	Rolls at entrance and exit	Board feeding
2	Preheat section	Board feeding and heating
3	Electrical section	Operation Panel. Control Panel. Sensor. Wiring.
4	Frame. Cover	

3) Power source and weight

1	Power source	ϕ 3. 200V(220V). 50Hz or 60Hz 5.5KW (6.0KW)
2	Net weight	170Kg

4) Dimensions and external appearance



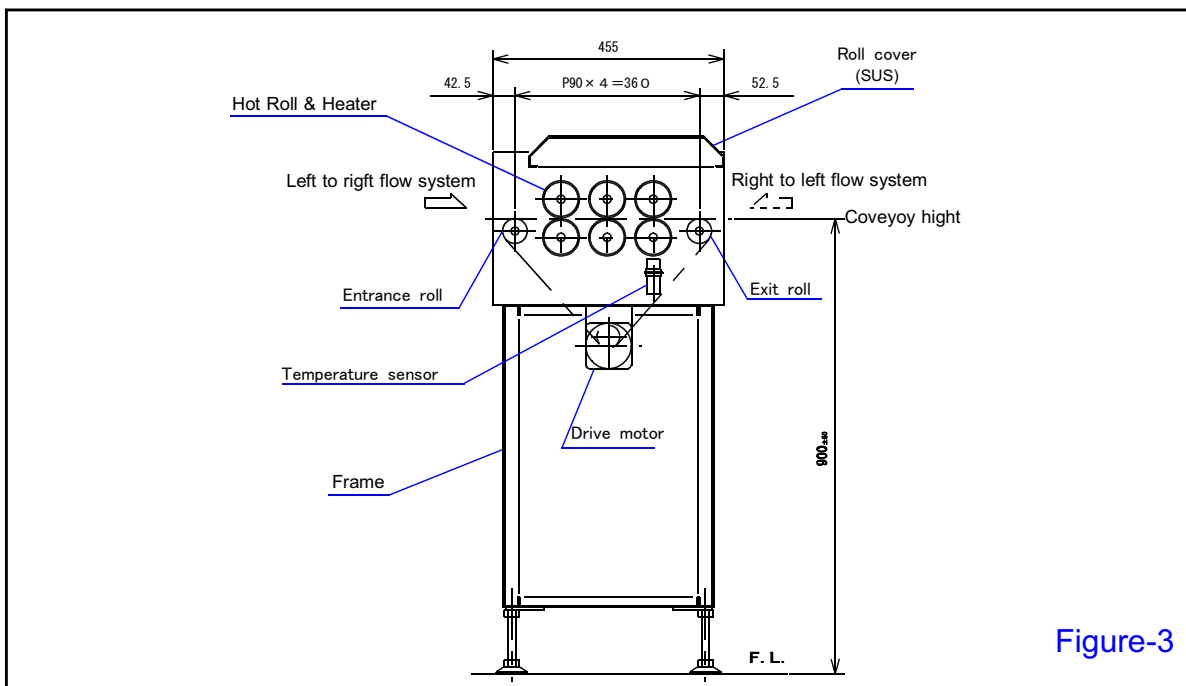
(2) Processing capacity

1	Board width	Min. 200 - Max. 650 mm
2	Board thickness	0.15-3.5mm (Both sides copper foil plating)
3	Output	240 boards / hour (400 mm long board)
4	Conveyor speed	1.0 - 5.5 m / min variable
5	Effective width	Min. 200 - Max. 700 mm

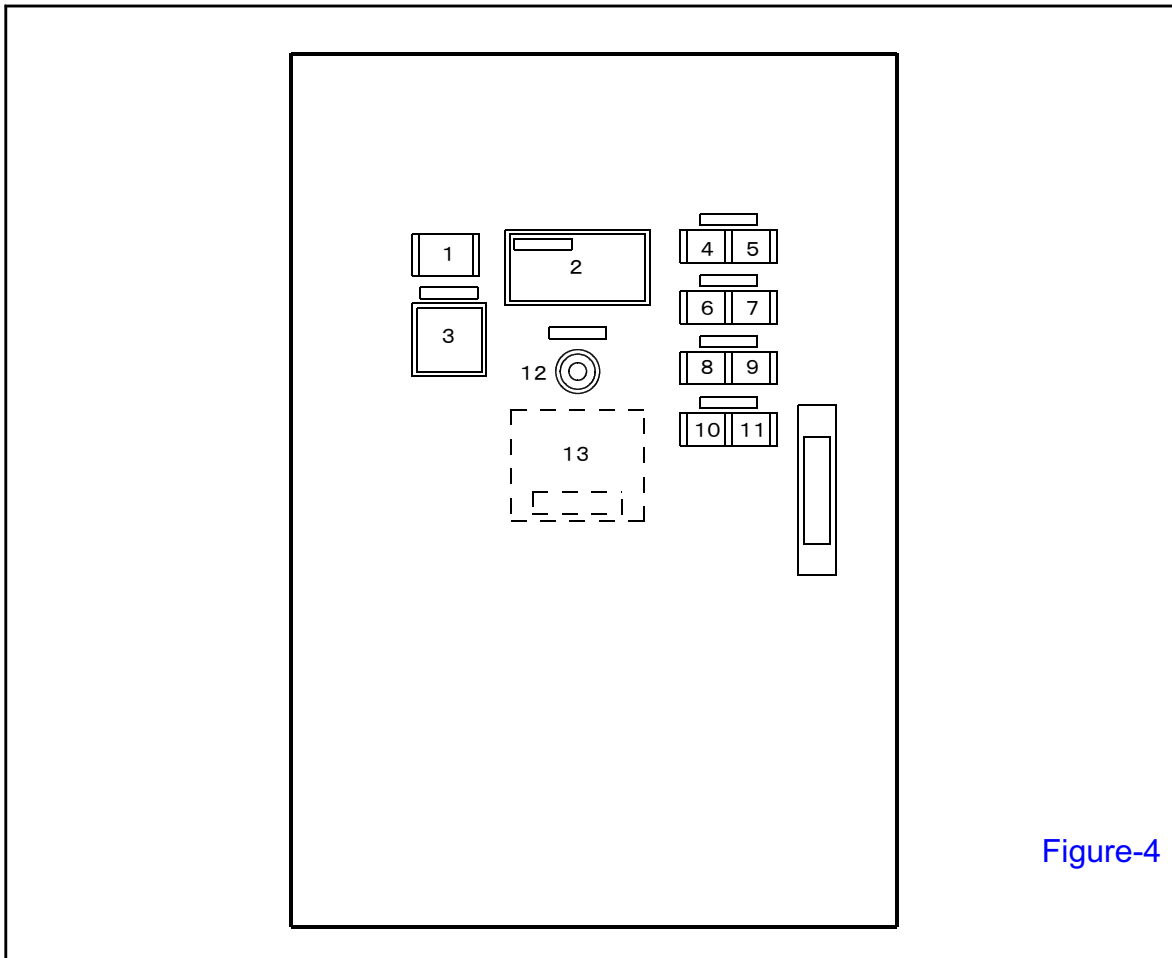
(3) Specifications of each section

1) Conveyor section and frame (Figure- 3)

1	Hot Roll	Dimensions : ϕ 73.4 \times L730m (\times 6) Pitch between hot roll axes : 90 mm Surface temperature : Room temp. - Max.150'C Pressure : By weight of hot roll it self Heater : 0.8Kw \times 200V (0.9Kw \times 220V) Sheath heater (\times 6)
2	Front & Rear Roll	Dimensions : ϕ 50 \times L760mm (one roll each at entrance and exit) Pitch between roll and hot roll axes : 90mm
3	Driving	Motor : ϕ 1 100V 40W Speed variable geared motor With a gear head (\times 1)
4	Roll Temp Sensor	Noncontacting surface temperature thermocouple
5	F rime	Unitized structure by 1.6t steel plate. Baked finish Color ivory white
6	Cover	Stainless steel hairline fnish



2) Operation panel



1. SOURCE Lamp

Lights when the main breaker is turned on to supply the power to the system.

2. CONVEYOR SPEED Indicator

The present conveyer speed is displayed. (unit: cm/min)



As to method of speed control, please see (1) - 4) of <3> OPERATION.

3. Temperature controller

Temperature controller of hot roll.

Setting : The digital setup by key operation.

Indication : The present value and the setting value are digital-displayed.

4. POWER ON Button / Lamp

Used to turn on the power supply to system components.

The lamp of a button lights up.

5. POWER OFF Button / Lamp

Used to turn off the power supply to system components.

The lamp of a button lights up.

6. CONVEYOR ON Button / Lamp

If this button is pushed, the conveyer will start forward turn and button will light up.

7. CONVEYOR OFF Button / Lamp

If this button is pushed, the conveyer will stop and button will light up.

8. HEATER ON Button / Lamp

If this button is pushed, the power supply will supply electric power for the heater. And button will light up.



NOTE

This switch is effective only when the conveyer is ON.

9. HEATER OFF Button / Lamp

If this button is pushed, the power supply stopped supply electric power to the heater and button will light up.

10. REVERSE ON Button / Lamp

This switch is for reverse turn of conveyor.



Rolls rotate in reverse turn while pushing this button.

The heater become OFF after this button use.

11. Spare button / lamp

This is spare button and lamp.

12. Speed regulation dial

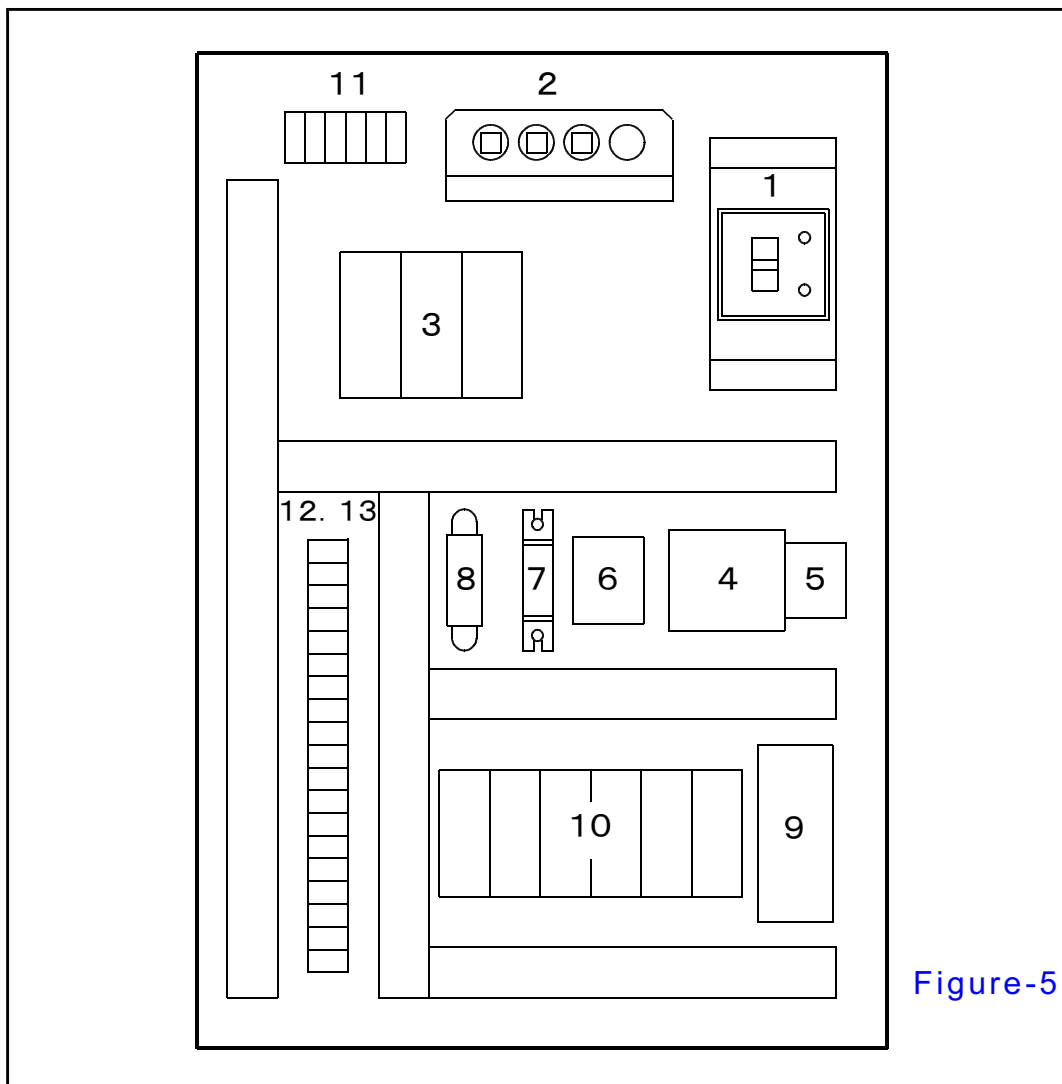
This is the volume which adjusts the speed of the conveyer roll.

13. F. V. Converter

Converter of frequency.

The revolving pulse of the drive motor is changed into the speed of the actual conveyer roll, and made to indicate it.

3) Control panel



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|--|-------------------------|
| 1. Electric leak breaker (main power source) | 8. Condensor |
| 2. Circuit protector x 3 | 9. Power supply (DC24V) |
| 3. Solidstate relay x 3 | 10. Relay x 6 |
| 4. Magnet relay | 11. Terminal |
| 5. Magnet relay | 12. Terminal |
| 6. Motor controller (with speed controller) | 13. Terminal |
| 7. Resistor | |