



## System: KMI 850tp-20

### Production: 20 Kg per hour, Specification

Model: **TPM-850tp**

Machine Dimension: L: 3700mm by W: 1500mm by H: 3200mm, Weight: 5,000kg (11,023lb)

Direct Hot Press technology, no drying oven required

Stainless Steel molding/forming unit and tank

Effective molding area: L: 850mm by W: 650mm by H: 120mm

Horizontal travel length: 770mm; Vertical travel length: 600mm

One movable lower forming platen driven by ball screw with inverter motor

Three connected upper movable platen with 2 dimensional directions driven by servo motor

Two lower vertical movement pressing platen driven by hydraulic unit

Maximum Pressing force: 8 tons;

Stable air tanks for forming platen and pressing platen.

Cleaning Mechanism Controllable cleaning frequency

Electrical Power Maximum installed power 130 kW

Power: server motor 5.6kw, 1 set

Forming platen movement: 1.5kw

Hot press 1 platen movement: 2.2kw

Hot press 2 platen movement: 2.2kw

Pulp circulation pump: 1.5kw

Wash bar motor: 90w

Heater installed power: 130kw/unit

Average Pulp consumption: 20 kg/hr

*Control Component:*

AB / SIEMENS

All pneumatic parts FESTO (German)

Hydraulic unit: YUKEN (Japan)

Servo motor / HMI / PLC control: Allen-Bradley with remote trouble shooting via internet

Electrical parts: AB, SIEMENS

Additional fence guarding, safety relay, stop and emergency stop button

Machine mechanic installed power: **13KW**

CE and ISO 9001 standard; UL certified electrical parts & wires

Electricity rating: a) power: 220V/380V/480V, 50HZ/60HZ b) control: 24V/110V/220V

- 1 Automatic die and decal wash system. This water is heated through a heat exchange system from the seal water in the vacuum pump.
- One air receiver and one air puff receiver tank with inline filter, regulator and lubricators.



- One pulp transfer pump 300 liter stainless steel circulation tank with automatic pulp level control from the pulpers.
- One 230 psi die and decal wash pump.
- One Travaini vacuum pump 25 Hp, 18.75 Kw – 7 cubic meters per minute @ 25”.
- One 200 liters per minute seal water pump.
- One white water pump 400 liters per minute.
- One 700 liter stainless steel vacuum tanks and one white water return Pumps @ 600 liters per minute.
- One pulp screening vibrating screen.
- One compressor: 1300~2500 L/min, 7 bar
- Two heavy structural assembly frames.
- Technical Services Supplied for installation and start-up.
- Drawings
- Assembly
- Crating
- Loading
- Documentation
- Jobsite Installation Materials
- Spare Parts (limited supply)
- All required electrical wiring (Note: the Buyer shall supply at its expense all the necessary electrical power including transformer as required by Seller for the Equipment as well as all cables up to the Seller’s control panels)

### **Single Source Pulping System**

- Two Pulpers with 11.3Kw two speed motors @ 250 liters @ 4.2% and 1750 liters @0.6%

These pulpers work in sequence. You push the start button and #1 pulper fills up to the pulping level, paper is manually dumped into the pulper . The pulper then pulps for a preset time (on the panel) and



then fills up to the final usage level. At this time the pulper drive goes down to low and automatically starts filling the circulation tank and vat. When the tank is empty the cycle starts over (pulper #1) and then the next pulper is selected #2 which has already gone through the same process as pulper #1. Then pulper #1 and so on.

Two pulpers supplying 20 Kg per hour

Pulp is supplied on demand to the pulp circulation tank by gravity.

- One 4,000 liter Stainless steel white water tank.

### **Requirement/per machine**

Maximum installed power for machine & mold (*heated by electricity*): **210KW**