



## System: KMI 1300td-100

### Production: 100 Kg per hour, Specification

Two Machine Model No: **TPM-1300td**

Machine Dimension: L: 7000mm by W: 2250mm by H: 3700mm, Weight: 13,000kg (28,660lb)

Direct Hot Press technology, no drying oven required

Construction Material: High Strength Carbon Steel with heat treatment is for structure.

Stainless Steel for all wetted part

Effective Mold Platen Area: L: 1300mm by W: 750mm by H: 80mm

Horizontal travel length: 1750mm; Vertical travel length: 380mm

One movable lower forming platen driven by **servo motor**

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

Two lower vertical movement pressing platen driven by **servo motor with toggle arms**

Hot Press compression force: 25 tons

Automatic two water bars cleaning mechanism for deckle ring edge wash and mesh cleaning;

Water pressure: 3 bar for wash; 15-20 bar for mesh cleaning

Average Pulp consumption: 50 kg/hr (*it depends on the product design*)

Heating methods: Heater Cartridges by electricity or thermal fluid

Equipped with special cooling system designed preventing from thermo-expansion of based plate

Stable air tanks for forming platen and pressing platen.

*Control Components:*

AB / SIEMENS

All pneumatic parts: FESTO (German)

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

Reliability: One year warranty against all wear parts

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

Maximum installed power for machine & mold (*heated by electricity*): **298KW**

- 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 TRSA 200-2500 vacuum pump 100 Hp, 75 Kw – 100 cubic meters per minute @ 25”.
- One 200 liters per minute seal water pump.
- One white water pump 900 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 30 Kw two speed motors @ 900 liters @ 4.2% and 6300 liters @0.6%

These pulpers work in sequence. You push the start button and #1 pulper fills up to the pulping level, paper is automatically dumped into the pulper . The pulper then pulps for a preset time (on the panel) and then automatically 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 50 Kg per hour

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

- One 15,000 liter Stainless steel white water tank.

### **Requirement/per machine**

Maximum installed power for machine & mold (*heated by electricity*): **460 KW**