



## **#7: KMI Pulp Moulding System # KMI-540-850**

**Moulder #M540-850, Process #P540-850, Dryer #- D540-850, stacker and packing table,**

**Estimated Delivery:** 9 months from receipt of deposit for machine

**On site assembly:** 2 weeks

### **List of Equipment supplied with each KMI Pulp Moulding System KMI-540-850**

#### **Moulder M540-850 and process P540-850**

- One face stainless steel moulding drum with quick die clamps suited for quick die change, anti-friction bearings (Platen size 1372 mm x 413 mm).
- Automatic die and decal wash system. This water is heated through a heat exchange system from the seal water in the vacuum pump.
- Automatic transfer die oiling and cleaning system
- Manual and automatic operating settings
- One air receiver and one air puff receiver tank with inline filter, regulator and lubricators.
- All necessary electrical controls and starters all wired to a control panel that can be run in automatic or manual.
- One stainless steel moulding vat with a constant pulp flow system for product weight control, one 425 liters per minute pulp transfer pump 380 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 45Kw – 21 cubic meters per minute.
- One 116 liters per minute seal water pump
- One white water pump 600 liters per minute.
- One 1400 liter stainless steel vacuum tanks and one white water return Pumps @ 800 liters per minute.
- Five heavy structural assembly frame epoxy coated.
- 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 23Kw two speed motors @ 1287 liters @ 6% and 3900 liters @2%  
These pulpers work in sequence and are completely automated. You push the start button and #1 pulper fills up to the pulping level, the lift bin is loaded with paper manually, dumps into the pulper automatically. 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 automatically selected #2 which has already gone through the same process as pulper #1. Then pulper #1 and so on.  
Two pulpers supplying 143 Kg per hour  
Pulp is supplied on demand to the pulp circulation tank by gravity.
- One 10,000 liter white water tank.

### **KMI Dryer D-540-850:**

This Four Pass One Zone Dryer (for 54" system) has:

- One 11 meter bi directional air flow dryer zone.
- One main conveyor drive motor with a VFD control to match the speed of the Moulder.
- One 3 meter lead-in conveyor with adjustable height.
- One automatic chain oiling system
- Fabricated from structural steel and heavy galvanized steel sheeting
- Has a continuous variable speed roller chain tray conveyors that automatically matches the Moulding speed of the KMI moulder.
- One Natural gas or oil burners Total 2,000,000 btu's
- Two blower plug circulation fans. (280 cubic meters per minute)
- One exhaust fan per zone.(84 cubic meters per minute)
- One makeup air inlet fan per zone.(50 cubic meters per minute)
- Has a high temperature cut off and E stops
- Cross duct heat exchange system returning exhaust heat energy back to the makeup air system of the dryer



- The dryer is complete with a user friendly PLC main control panel.
- Two heat exchange system c/w stainless steel storage tank, pump, heat exchange coils for makeup air and the process water and related controls to operate the system. This heat exchange system removes heat energy from the exhaust and returns it back into the makeup air for the dryer and to the white water tank.
- The insulation is 10 cm and 15 cm rock wool fiber board. The panels are assembled to provide a sealed enclosure.
- Paper lifts with built in scale and automatic dumping to pulpers.

**Dies:**

- This machines comes with 4 egg flat dies



Four Aluminum moulding dies and four UHMW with aluminum base transfer dies included

- **Training** on the moulder and process is provided as part of the installation cost. All maintenance staff and skilled operational personnel are required to be on-site and assist in the installation of the equipment. All production staff required for every shift must be available for training during the last week of installation. Schedule TBD by Seller Installation manager.

**Buyer is required to supply the following during installation:**

1. Off-loading facilities on the arrival of the containers. Unload and place the system in its location. A 5 ton forklift during construction and a light mobile crane.
2. A crew of skilled construction workers for the duration of the installation and commissioning of the machine. These workers will include a qualified electrician, pipe fitter and rigger with assistant to work under the supervision of KMI Pulp Machines Inc.'s technicians. Two technical people that will be the maintenance and operator staff for this system should be available for the duration of the installation
3. Connection of the electrical, water and natural gas (or Fuel oil) as required by the moulding system.
4. A sump or drainage for accidental spills – this will be needed during installation, training, and general operation. Even though this is a closed system, accidental spills occur.



5. Openings in the roof for exhaust duct, cooling tower and vacuum separator. Weather proofing of the ducts after installation. Note: Cooling tower is best vented outside the building.
6. Insurance to cover all risks during construction including damage or loss to new and existing equipment and buildings.
7. Access to fax, telephone, and email facilities for KMI Pulp Machines Inc.'s Technicians.
8. Compressor for the system is to be supplied by the customer.
9. Access to the site 12 hours a day seven days a week during installation.

**TERMS OF PAYMENT:** For the Equipment (f.o.b. Jacksonville, Florida USA), the Buyer shall pay the Contract Price in full to the Seller on the following terms:

- (a) By Wire Transfer: 35% of the total Contract Price in US funds, payable within 15 days of signing of this Quotation by the Buyer.
- (b) By Wire Transfer: 30% of the total Contract Price in US funds, payable within 75 days of signing of this Quotation by the Buyer.
- (c) By Wire Transfer: 30% of the total Contract Price in US funds, payable prior to shipping after copies of the:
  - i. Bill of Lading in 3 copies
  - ii. Packing List in 3 copies
  - iii. Commercial Invoice in 3 copies have been submitted to the client.
- (d) 5% of the total Contract price upon start-up

The costs of all bank charges, bank guarantees, etc. are to be paid for the Buyer. Any such costs incurred by the Seller shall be reimbursed by the Buyer to the Seller on demand of the Seller.

This Agreement shall become a firm and binding contract only upon acceptance and signature of this Agreement by the Seller; notwithstanding such acceptance and signature, the performance by the Seller of its obligations under this Agreement is conditional on the part of the Seller, until such time as the Buyer fulfills its payment and delivery obligations set out in this Terms of Payment section.



**GENERAL:**

The Buyer shall pay any and all sales tax, value added taxes, goods and services taxes, transfer taxes and transaction taxes or other taxes that are or may hereafter be levied by any government or other taxing authority on any Equipment or services sold, leased, rented or otherwise provided by the Seller to the Buyer pursuant to this Agreement. The buyer shall pay for all certifications and inspections required before and upon arrival at its destination for equipment. (As required by countries regulations)

The buyer shall pay for all certifications and inspections for this equipment.

The Seller shall have the right to make partial shipments of Equipment and invoices covering the same shall be due and payable and may be drawn down from the letter of Credit.

The Buyer shall be responsible for arranging for and expediting of work visas for the Seller's technical personnel, and such work visas shall be supplied by the Buyer to the Seller prior to such technical personnel arriving at the appropriate installation site. In addition, the Buyer shall be responsible and pay for the accommodation, meals, air transportation to the site and transportation costs of such technical personnel during their stay at or near the installation site. Should the Buyer require additional time for the technical personnel beyond the Seller's standard installation time, the Buyer shall pay the Seller an additional amount of \$650.00 (U.S.)/day. . It is required that flights over five hours will be business class. Buyer shall be required to pay the cost of a translator if one is required.