



## Heavy-Built Performance

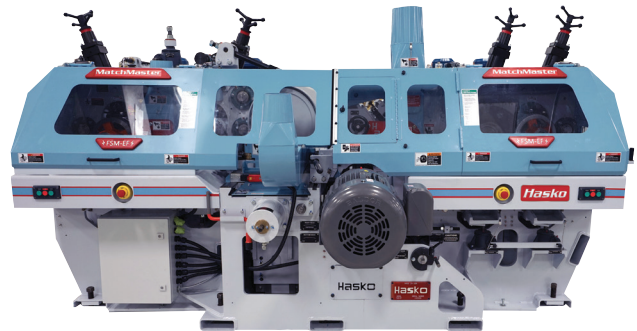
### FSM Electric Feed Retrofit Upgrade

HASKO is committed to continuous improvement through technological advances.

Add our new FSM electric feed upgrade to your existing machine to improve performance while significantly reducing operating costs.

#### Cost Reduction Benefits

- New 40 HP combined electric drive reduces energy costs and preventive maintenance, compared to existing 75-100 HP hydraulic drives
- Projected 2% annual increase of efficiency and run time, increasing throughput



#### Retrofit Upgrade Benefits

- Machine runs cleaner and quieter
- Easier to maintain and operate
- Dependability enhanced since the system is not dependent on a single pump or motor
- Consistently higher torque and improved operating efficiency at high and low feed rates
- Better face work due to improved speed control
- Locking and shifting system powered by efficient, vane pump with electric motor

#### This Package Includes:

- Eight 5 HP inverter-controlled, electrically-driven gear reduction units
- Eight complete shaft drive assemblies with bearings and telescoping universal joints
- Heavy-duty mounting framework and safety guards
- Revised electrical schematic program documentation and replacement parts list

[www.haskomachines.com](http://www.haskomachines.com)

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## ***Your FSM Feed Upgrade WILL Pay for Itself!***

### **FSM Upgrade Payback Analysis Estimate**

Cost Based on Two Shifts	75 HP Hydraulic System Est. Annual .06c per KWH	All Electric System Annual	Savings	Percent
Electric – Energy Consumption	\$26,129.23	\$10,451.73	\$15,677.50	40.00%
Oil Changes	10,000.00	0.00	10,000.00	100.00%
Motors, Filters, Pump, etc.	18,000.00	0.00	18,000.00	100.00%
<b>TOTAL</b>	<b>\$54,129.23</b>	<b>\$10,451.73</b>	<b>\$43,677.50</b>	

HASKO believes that this upgrade will provide at least a 2% increase in efficiency and up-time due to the increase torque and the ability to increase feed roll pressure. As a result typical issues such as stalling would be reduced.

Taking that into account, a 2% increase in production based on 20,000 square feet per shift would equate to 400 sq. ft. additional product per shift.

	Sq. Ft per Shift	Sales Price	Sales \$'s Per Shift Sales	Dollars per Yr.
1 Shift	400	\$1.40	\$560.00	\$140,000.00
2 Shifts	800	\$1.40	\$1,120.00	\$280,000.00
3 Shifts	1600	\$1.40	\$2,240.00	\$560,000.00

Parts Price ..... F.O.B. SoddyDaisy, Tennessee ..... \$124,950 USD

Installation Labor On-site (does not include travel, mileage, per diem/lodging)..... \$16,000 USD

Hasko will provide a set of new feed roll shafts & bearings to be used on an as needed basis. If all are replaced the estimated cost is \$5,300 USD.

### **FSM Upgrade Options:**

230 or 575 Voltage.....POR  
Open or Export Crating.....POR

*Any changes in configuration or specifications that require engineering changes after the purchase order has been accepted will result in change order charges and will be billed separately. Change may also affect previous ship dates.*

Engineering provides and sends one set of floor plan views and other specifications via Federal Express. There is a \$50 charge for additional copies.

