

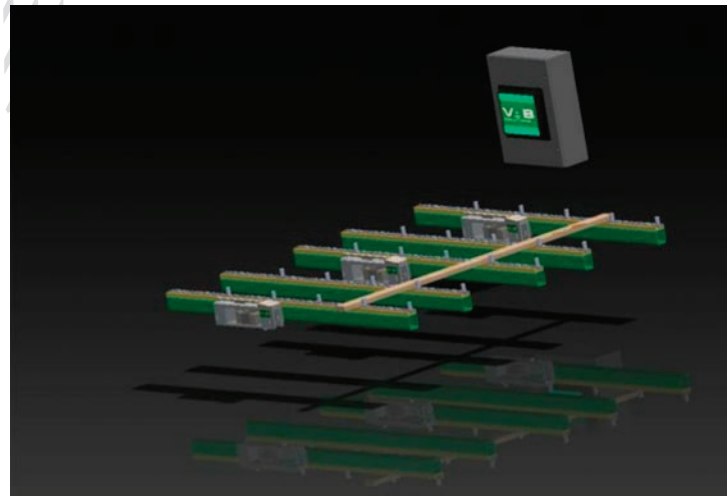
ADAPTING KILN SCHEDULES AND A NOTICEABLE UPLIFT OF THE DRESSED LUMBER QUALITY

SYSTEM ADVANTAGES

- A study by Forintek, proved that sorting by weight is a simple method of improving efficiency in drying phase
- Easy to evaluate your ROI with the OASIS Program
- Decreases in drying time by 10% to 15%
- Increases drying quality and reducing its over-drying
- The only system that analyzes the very green and frozen wood
- Reliable, low maintenance system
- Easy to install in a weekend
- Simple calibration done in minutes
- Minimizes drying defects such as warp, checks and dimensional variations

**According to a recent study
Forintek Canada Corp.,
Sorting by weight is a simple
method of improving the efficiency
drying for the group SPF.**

The Dynamic Weight Sorter system is specially designed to perform an efficient sorting based on density (thus water content), prior to the kiln operation, for any type of lumber. The system is installed close coupled to the trimmer and upstream of the tray or bin sorter in the sawmill. The system's weighing units enable to measure the weight of every piece of green lumber in order to obtain its volumetric mass. The volumetric mass calculus requires dimensional characteristics of the green lumber (thickness, width and length), provided usually by the mill's plc or by external optional sensors. Sorting is thus realized based on the volumetric mass data, and every piece is categorized as light, medium and heavy. Finally, Return on Investment starts at day one by adapting kiln schedules and a noticeable uplift of the dressed lumber quality.



SYSTEM EQUIPMENTS

The Dynamic Weight Sorter system includes loading cell weighing units, and a PLC control panel.

The control is performed by an industrial computer and a touch screen user interface, both enclosed in a NEMA 12 dustproof cabinet.

The weighing units are housed in a shockproof aluminum block, and equipped with anodized steel skid and transition bars.



Board No.	Thickness (in)	Width (in)	Length (in)	Density (lb/ft ³)	Solubles	Total Weight (lb)	Weight 1 (lb)	Weight 2 (lb)
3991	2.000	6.000	36.000	26.5	Maytag	22.393	14.236	0
3994	2.000	3.000	36.000	26.4	Maytag	19.766	9.773	0
3999	2.000	6.000	36.000	45.4	Maytag	26.979	15.719	0
3998	2.000	6.000	36.000	26.9	Maytag	17.205	11.229	0
3997	2.000	6.000	36.000	41.6	Maytag	23.971	14.132	0
3996	2.000	6.000	36.000	46.3	Maytag	26.721	17.428	0
3995	2.000	6.000	36.000	41.2	Maytag	24.767	14.226	0
3994	2.000	6.000	36.000	17.9	Maytag	16.462	10.598	0
3993	2.000	6.000	36.000	46.3	Maytag	26.184	15.382	0
3992	2.000	6.000	36.000	43.7	Maytag	23.266	15.228	0
3991	2.000	6.000	36.000	41.7	Maytag	24.433	14.366	0
3990	2.000	6.000	36.000	38.1	Maytag	21.302	13.478	0
3989	2.000	6.000	36.000	42.7	Maytag	24.422	13.207	0
3988	2.000	6.000	36.000	41.9	Maytag	23.216	13.962	0
3987	2.000	6.000	36.000	36.3	Maytag	17.323	12.216	0
3986	2.000	6.000	36.000	42.3	Maytag	24.269	15.962	0
3985	2.000	6.000	36.000	46.9	Maytag	26.489	16.268	0
3984	2.000	6.000	36.000	46.3	Maytag	25.707	17.202	0
3983	2.000	6.000	36.000	36.3	Maytag	17.363	11.879	0
3982	2.000	6.000	36.000	46.9	Maytag	23.947	16.222	0
3981	2.000	6.000	36.000	46.3	Maytag	22.254	14.834	0
3980	2.000	3.000	36.000	46.3	Maytag	13.268	7.488	0
3979	2.000	3.000	36.000	46.2	Maytag	22.278	13.291	0
3978	2.000	3.000	36.000	55.3	Maytag	14.576	7.162	0
3967	2.000	6.000	36.000	45.1	Maytag	24.626	17.339	0
3966	2.000	6.000	36.000	22.1	Edgier	12.922	7.542	0
3965	2.000	6.000	36.000	45.5	Maytag	25.447	15.744	0
3964	2.000	6.000	36.000	52.9	Maytag	26.373	21.629	0
3952	2.000	6.000	36.000	46.1	Maytag	22.779	15.223	0
3962	2.000	6.000	36.000	32.2	Maytag	16.566	13.568	0
3961	2.000	3.000	36.000	49.9	Maytag	11.227	6.187	0

TECHNICAL SPECIFICATIONS

- 3 Adjustable ranges: light medium or heavy
- Easy integration to the mills PLC
- Computer with Touch Screen User Interface
- Diagnostic module load cells
- 200 readings per second
- Dimensions of 1 x 3 to 4 x 10
- Up To 200 boards per minute



4695, rue de la Pascaline
Lévis (Québec) Canada G6W 0L9

Office 866-834-0606
Fax 418-834-0645

www.vab-solutions.com