

DOUCET

IOMUS

SWINGSAW

A RADICAL CHANGE IN CROSSCUTTING SAW TECHNOLOGY



WITH ITS INNOVATIVE
CROSSCUTTING-IN-MOTION TECHNOLOGY,
THE DOUCET / IOMUS SWINGSAW™ COMBINES
THE HIGHEST CUTTING SPEED WITH THE GREATEST ACCURACY.

DOUCET
PROCESS ENGINEERING
DIVISION

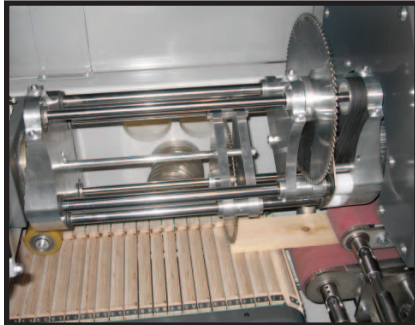
VALUE ADDED SOLUTIONS

www.hoechsmann.com

FOR A COMPLEX WOOD INDUSTRY

A NEW ERA IN SOLID WOOD PROCESSING

The DOUCET / IOMUS Swingsaw™ marks the beginning of a new era in Solid Wood Processing. With the advent of advanced vision systems, traditional "Stop and Cut Saws" have become a bottleneck when attempting to automate wood processing plants. The DOUCET / IOMUS Swingsaw™ cuts boards while *in-motion*, eliminating time consuming and stress inducing sudden stops and accelerations.

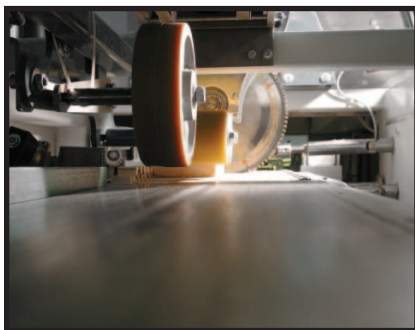


A SUPERFAST CROSSCUT SAW, IN A CLASS OF ITS OWN

The DOUCET / IOMUS Swingsaw™ is equipped with twin blade Crosscutting Carriage, cutting boards in-motion along a 24 inches long Cutting Raceway. Between cuts the DOUCET / IOMUS Swingsaw™ can reach a feed speed up to 590 feet per minute. During the cutting cycle, it can maintain a feed speed up to 345 feet per minute. In close range cutting patterns, the Swingsaw can execute up to 4 cuts per second.

UNMATCHED CUTTING ACCURACY

The Swingsaw's servo controlled positive feed system, with the boards held between a set of top / bottom feed belts, enables the saw to maintain length accuracy of ± 40 thousands of an inch, regardless of throughput speed.

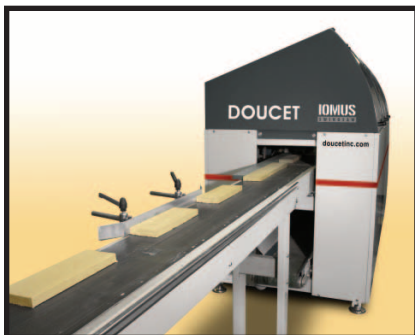


GREAT VERSATILITY

Cutting from above, the DOUCET / IOMUS Swingsaw™ is suitable for processing planed and pre-finished boards without damaging their surface. Its feed conveyor makes the Swingsaw very tolerant of warped, wane ridden, curved, and very short boards.

A "SMOOTH OPERATION"

No abrupt stops and accelerations equals decreased mechanical stress, less downtime and a reduced need for ongoing maintenance. The Swingsaw's smooth operation comes with a relatively low noise emission level of 85dB.



WITH THE LATEST MOTION CONTROL TECHNOLOGY

Five servomotors are working in complete harmony to optimise the Swingsaw's performance, modulating the positioning of the saw blades, the revolving of the Crosscutting Carriage, the speed of the Cutting Raceway and the board's feed speed.

A FULLY COMPATIBLE SYSTEM

The DOUCET / IOMUS Swingsaw™ is compatible with all types of scanners, input and output devices. It is available with Crosscut Optimisation Software.

DISTRIBUTED BY:

DOUCET
PROCESS ENGINEERING
DIVISION

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www.hoechstmann.com

MACHINE DIMENSIONS

→ Height	73 inches
→ Width	45 inches
→ Length	120 inches
→ Conveyor Height	39 inches
→ Weight	2420 lb.
→ Noise Level	85 dB
→ Control Panel	LCD touch screen

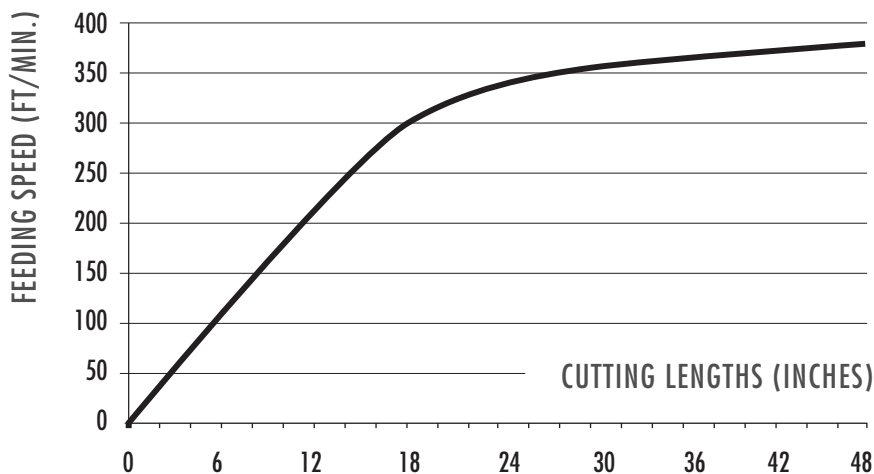
BLADE CARRIAGE INFORMATION

→ Twin Blade Carriage	12" diameter, 40 mm bore, 0.125" kerf
→ Blade Rotation Motor	10 HP
→ Blade Rotation Speed	Variable speed up to 6500 r.p.m.

CROSSCUTTING PARAMETERS

→ Maximum Lumber Dimensions	3" by 7 7/8" or 2 1/2" by 8 7/8"
→ Cutting Accuracy	± 40 thousands of an inch
→ Cutting Cycle	Up to 4 cuts per second
→ Maximum Feed Speed Between Cuts	Up to 590 feet per minute
→ Maximum Feed Speed While Cutting	Up to 345 feet per minute

CAPACITY INDICATION



The DOUCET / IOMUS Swingsaw™ can cut in excess of 240 four-inch parts or 170 twenty-inch parts in one minute.