Sash gang | 700 Stroke

HDSN

Fast and powerful sash gang saw
for highest requirements

EWD
The SawLine Company™

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for highest requirements

The extra heavy-duty design and the convenient operation

All EWD-Sash gang saws are characterized by a time proven extra heavy-duty design: A clearly structured machine set-up with easy accessible component groups allows a quite easy care and maintenance of the machine. The flywheel assembly can be changed without dismantling the side frames. Side frames and base plate are made in an advanced, stable and torsion resistant cast iron design, crank pins and fly wheel shaft are made from special steel. All parts, especially the highly stressed connecting rods and frame cross beams are subjected to constant and strict quality controls during the manufacturing process.

The upper sash guides

The upper sash guides are water-cooled by a cooling unit and a closed water circuit to reduce the wear and ensure a smooth running of the machine.

The automatic overhang adjustment

The overhang of the sash frame is automatically adjusted according to the selected feed speed. Maintenance free spindles and worm gears adjust the overhang plates.

The feed drive system

The sash gang is equipped with a hydraulic feed drive with variable speed control over the full speed range. In combination with the automatic overhang adjustment the feed speed for an optimum relation between saw speed and relative feed speed is achieved. The rubbing of the saw blades is eliminated as much as possible which results in a good lumber surface quality.

The main drive

The sash gang HDSN is up to 110 kW drive motor size fitted with a fix and idle pulley for the shifting of the drive belt. For bigger drive motor sizes (up to 200 kW) the sash gang saw is fitted with an enlarged pulley for direct drive.

The rollers

Besides the standard model with 4 feed rollers a model with 8 feed rollers for the sawing of short logs or for curve sawing of cants is available. The rollers are split and/or fitted with easily changeable corrugated steel inserts.

The foundation

The sash gang HDSN can be placed on the concrete foundation of the models HD30 and EHD30.

The hydraulic system

The lifting and lowering of the top rollers and the drive of the feed rollers is supplied by hydraulic power. The hydraulic system is composed of standard components, using a module principle. All parts such as electric motors, hydraulic pumps and valves are grouped in a central hydraulic system, separated from the sash gang saw and easily accessible.

The saw dust shaker and the central lubrication system have separate drive systems and can therefore be used even when the machine is not running.

Technical data and details
HDSN

Hydraulic shifting saw banks

Optionally the sash gang HDSN is available with a symmetric or asymmetric shifting saw bank system „SV" . The adjustment of the saw banks is done hydraulically and is possible during normal operation from the operator control panel.
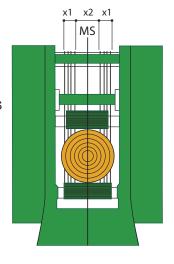
MS = Center split saw

x1 : max. 140 mm

x2 : min. 40 mm without MS

x2 : min. 65 mm with MS

x2 : max. 350 mm

Additional equipment to complement the sash gang HDSN

- Remote controlled log feed system
- Automatic centering and infeed system
- Side board cross cut saws

- Outfeed and splitter plates
- Balancing unit

Model		HDSN 600	HDSN 700	HDSN 700/SV*
Sash width	mm	735	735	735
Sash clearance	mm	700	700	650
Stroke	mm	600	700	700
Revolutions max.	1/min.	340	320	300
Feed speed	m/min.	0-18	0-18	0-16
Feed power	kW	10	10	9
Drive pulley ø	mm	1100	1100	1000
Main drive max.	kW	200	200	200
Machine weight	t	12	12	12,5

*with shifting saw banks

Custom-made solutions

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