

# SAWMILL OF THE FUTURE



SMART.  
DIGITAL.  
SUSTAINABLE.

## Log handling from a new perspective

The sawmill industry is at a turning point: production processes need to become smarter, more resource-efficient and sustainable. Digitalisation, automation and AI are not just trends - they are the key to meeting increasing demands for efficiency, flexibility and sustainability. HOLTEC is responding to this development with smart handling systems that are fully networked, autonomously controllable and flexibly customisable - also with regard to increasing product range diversity.

The focus of development is primarily on log logistics: the potential of every sawmill can only be fully utilised if the logs are handled and sorted continuously, correctly aligned and with minimal gaps. As an AI-supported monitoring system, our new development EDGE.AI raises the precision of log handling and gap control to a new level.

Another milestone towards the 'Sawmill of the Future' is the VPK Loghandler - a portal-based handling machine that replaces conventional, diesel-powered log handling. This not only drastically reduces operating costs and space requirement - it also results in a significant increase in work safety and sustainability.

If this technology is thought through further, it will lead to remote operation: with the Logpilot concept, HOLTEC is developing a holistic log yard management system that will allow crane systems to be controlled from any location in the future. The integration of intelligent stock management software ensures greater efficiency, convenience and process reliability.

Smart control, digital networking, sustainable operation - our vision of the sawmill of the future.

## NEXT LEVEL LOG HANDLING



VPKLOGHANDLER

## Log yards for the sawmill industry

Key-turn complete systems for each performance class



## NEXT LEVEL LOG HANDLING

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EV Stand 05 / 2025 - 250



HOLTEC

## LOG YARDS FOR THE SAWMILL INDUSTRY

### Debarkers and butt reducers

On request, we supply high-performance debarkers and butt reducers from the market leaders and integrate these machines into the process, including the necessary electrical control and switching systems. Performance of up to 150 m/min debarking speed and butt reducing times of less than 4 seconds/log can be realised thanks to new technologies.

### Sorting systems with sorting control

Log sorting systems for logs with medium and large diameters. In customised design and with the right box concept. In concrete or steel as a single or rollover box. Realised systems with sorting speeds of 200 m/min and up to 100 boxes.

## VPK LOGHANDLER

### Portal crane solutions

Sustainable and efficient: With our electro-hydraulic VPK LOGHANDLER portal crane, we are setting new standards in log handling. The powerful portal crane impresses with its low consumption and operating costs and uses the available space as efficiently as possible. Customised concepts - also with loading carriages - are possible.

## Plant engineering is a matter of trust

As a second-generation family business, we have been serving our customers for over 50 years and are one of the top suppliers of equipment to the European wood industry. More than 350 installed log yard mechanisations are proof of this.

The structure of the sawmill industry has changed considerably in recent decades. The large-scale operations that have been created place special demands on machines and conveyor systems. Industrial high performance requires solid plant technology, which is subject to special criteria: Extreme loads in 3-shift operation and high availability are the requirements for economical operation. We have accepted these challenges and continuously adapted our product programme to the needs of our customers. With our product portfolio, we offer the widest range of system concepts for handling logs.

## CHAINLESS

### Log feeding and separating systems

Plant performance is essentially determined by an efficient and powerful feeding system. Whether long or short logs - Holtec offers a wide range of solutions. We do not only focus on piece count performance: feeding systems are naturally subject to the highest mechanical stresses. Innovative solutions from Holtec are designed to keep the total lifetime cost under control. Minimising wear and lubricant consumption is particularly important here. With our chainless concept, we have been setting standards in the industry for many years.

### Transport systems for short and long logs

High feed rates and quantities, combined with the highest demands on availability, are the general conditions for the development of all conveyor systems. This is where we set new standards with our product programme. Our conveyor systems are characterised by highly tear-resistant conveyor chains, special wear-resistant steels and the necessary refinement in detail.

# HOLTEC

Our machines and systems are robustly designed with a focus on low maintenance costs for the customer - while being individually optimised to the customer's needs. With our technology, we enable our customers to process and sort logs economically and efficiently. We define ourselves as more than just a machinery supplier - we have extensive expertise in all aspects of log handling and related trades and develop solutions together with the customer - even beyond the actual scope of the system.

You will find an overview of realised systems in various performance classes on the following. For long and short logs or as a combined system, let us know which log handling task we can solve for you next.

### Waste evacuation systems in all variants

Adapted to the requirements, a correctly dimensioned waste evacuation system pays for itself. Holtec offers solutions ranging from bar waste conveyors and scraper chain conveyors to conveyor belts with metal detection. Waste evacuation concepts realised 100% by ourselves with years of know-how and constantly further developed.

## COMPLETE SUPPLIER OF TURNKEY SYSTEMS

### Electrical control and switchgear systems / visualisation

Nowadays, systems in the wood industry are complex high-tech machines. Holtec provides the corresponding automation with customised complete solutions. From switch cabinet construction to programming the processes, we can represent the entire value chain in our company.

- Development of customised hardware and software
- Production of electrical assemblies and switch cabinet construction
- Ergonomically designed operator stations
- Installation and cabling of the supplied systems
- Start-up on site

### Crosscut lines and circular saws

It all started with crosscutting logs. Over 50 years ago and in close co-operation with STIHL. Today, the first chain saws have turned into fully automatic circular crosscut saws - for maximum performance in all diameter ranges. As a crosscut line or as continuous crosscutting - we draw our experience from over 200 installed crosscut saws and lines.

### Measuring systems

A high-performance measuring system is a decisive factor in determining costs and productivity in the sawmill. We integrate scanners from leading manufacturers into our systems and maximise the output of logs for our customers. In addition to classic optoelectronic scanners, X-ray scanners can also be integrated to detect the internal log quality.