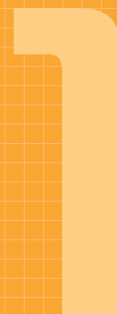


# HDS SAWMILL TOOLS

6 Company

10 Technology



# COMPANY

## Sawmill Tools for Sawmills

Based on our experience in recent years we are now able to offer a number of high quality, powerful sawmill tools which meet the needs of sawmill tools more than ever.

Our wide range of products includes BASIC, STABILO, TRIMCUT and CROSSCUT brand circular saw blades, as well as a number of segments and sizing rings in various styles.

Our butt end reducers, chipper and profiler knives, hogging and counter knives, as well as flaker knives make up a wide range of sawmill knives in a variety of styles.

A number of distance rings and system components as well as the SPINCUT milling shaft butt end reducer, the CANTERCUT chipper canter and the PROFILCUT profiler cutters complete our "Sawmill tools" product range.

## HDS . THE FACTORY AND OUR WORKERS IN TOOL TOWN

### REMSCHIED

TOOLS .  
TRADITION .  
QUALITY .  
ENGINEERS .  
TECHNICIANS .  
WORKERS .  
MANAGEMENT .

HDS designs and manufactures in Remscheid. This makes us a tradition of the German tool town, home to world renowned tool companies who have shaped our city's reputation on an international level with the established "Remscheid tool quality".

At HDS, "Made in Germany" means "Made in Remscheid", as this is where we find the perfect ingredients we combine to make our best sawmill tools. Our engineers and technicians who have gained their experience and skills in Remscheid toolmaking apply their entire expertise to each HDS development. It's our workers who give their best working the machines, ensuring our high manufacturing quality with their outstanding skills.

Of course this includes our employees in sales and in management, who ensure a smooth process from providing advise, processing orders, design, and production, all the way to final inspection and delivery.

We stand by our location with our high vertical range of manufacture and feel bound to this region, our city, and the legendary "Remscheid tool quality". Our engineers and technicians, our workers and our employees in sales, in management and in administration implement this standard on a daily basis.



# COMPANY

Our company logo stands for “precision and perfection” and that’s what we’re passionate about. It’s what drives us to make the existing even better for the future. Sometimes it’s little optimisations which have a great impact, others it’s the birth of a design revolution heralding the next generation of progress.

And we’re not just thinking structurally, in hundredths or even thousandths of a millimetre, but even with regard to customers we think outside the box, as for example illustrated by tool management and sustainability.

Two aspects which at first glance may not seem to have much in common but a closer look will reveal an interesting potential for development.

Sawmill tools are perfect if they are extremely powerful and just as stable at the sawmills yet prove to be extremely effective, thus gentle on resources in wood machining. At HDS this is already “State of the Art” now. But our pursuit of perfection goes far beyond manufacturing high-quality sawmill tools.

## HDS . THE SAWMILL TOOL COMPANY

That’s why we now already design and manufacture sawmill tools with a quality of materials they can be regenerated multiple times. Compared to a new acquisition this sustainable use of materials is an extremely interesting process, both from an economic as well as an ecologic perspective.

As simple as this concept we already practice today may seem, the tool management it requires is just as challenging. Sawmill tools must always be available in sufficient quantities. This requires for “used” sawmill tools to be tested and regenerated, or replaced if the material wear warrants an end of service life. Here the challenge is not only the material, but also information- and tool logistics. And we are already rising to this challenge today.

Perfection can be described quite simple: Not all too long ago a batch of STABILO graduated circular saw blades needed regeneration at our factory. Not really a particularly noteworthy process had they not been from 2007 ...

This is perfection at its finest: Years of powerful and solid service, the kerf reduction from “AST Graduated Saw Blade Technology” making it extremely effective, regeneration making it reusable several times, and therefore of lasting quality. That’s our standard.

## PERFECTION

- . POWERFUL
- . STABLE
- . EFFECTIVE
- . SUSTAINABLE
- . EFFICIENT



## HDS . THE SAWMILL TOOL COMPANY

Our history alone shows that HDS-Group specialised in the tool requirements of sawmills more and more.

We pushed this trend in recent years, as we believe continuing to develop, design and manufacture particularly powerful sawmill tools requires the respective high level of specialisation and expertise.

We therefore shifted the focus of our business policies on our customers in the sawmill industry and their requirements for modern sawmill tools more than ever.

We're not a passive tool supplier for mass-produced articles, but rather the competent specialist for highly efficient tool solutions for sawmills. It's our profession which embodies our slogan "HDS . THE SAWMILL TOOL COMPANY".

## HDS STANDS FOR DYNAMIC DEVELOPMENT

### 2019 . „Unmanned“ third shift

To be in the position to handle the backlog of orders and the pricing pressure, robots enable a third shift. Besides machine loading and unloading they take care of cleaning the workpieces and workholders and arrange milling, deburring or grinding of our sawmill tools.

### 2018 . Expansion of 5-axis machining

The production of our sawmill tools like circular saw blades, knives or system components is more and more made by 5-axis machining centers included automatic tool measuring in integrated magazines. Furthermore non-productive times hours could be reduced by using automatic pallet changers.

### 2016 . Again enlargement of production capacities

By reasons of an increase of needs for sawmills and therewith an excellent order situation, the production capacities had to be expanded. In another construction phase our places could be significantly enlarged.

### 2014 . Expanded administration and production:

With the strong growth of the Sawmill Tools division the only 4 years old HDS building reached its capacity. Additional production halls and a new office wing were built.

### 2013 . Acquisition of the saw factory WIJAG (Wilms Jansen Germany):

The integration of WIJAG shifted the focus of our sawmill tools business segment even more on the existing circular saw blade product group.

### 2011 . Business portfolio restructured:

The growing focus on the sawmill division required restructuring of our business segments, resulting in today's HDS-Group GmbH.

### 2010 . New building for administration and production:

HDS moved into its first own, and back then quite spacious, company building in the Remscheid industrial park Bergisch Born.

### 2009 . Acquisition of HT-Maschinenmesser GmbH:

The integration of the Remscheid company HT-Maschinenmesser GmbH added to HDS Werkzeuge's production.

### 2004 . Acquisition of Remscheid's machine cutting tool and saw factory vom Hoff GmbH:

Only five years after HDS Werkzeug was founded, the business domain was expanded by integrating Remscheid's cutting tool and saw manufacturer vom Hoff.

### 1999 . HDS Werkzeuge founded:

Engineering graduate Andreas Hindrichs, sole proprietor and general manager, who previously worked in the Engineering Department at saw manufacturer Felde, founded the company "HDS Werkzeuge" in Remscheid.

## MILESTONES

# COMPANY

Since 2011, HDS-Group consists of three business segments: HDS-Sawmill Tools, HDS-Made-To-Order Production and HDS-Engineering. Each area focuses on the corresponding core competences and the resulting goods and services. All business segments work together closely and are jointly responsible for the high HDS quality standard of our products.

## HDS-Sawmill Tools

The HDS-Sawmill Tools division is the interface between our customers from the sawmill industry and HDS-Group. This is where all sales and marketing activities for our sawmill tools are coordinated. This also includes customer support and the entire order and service management.

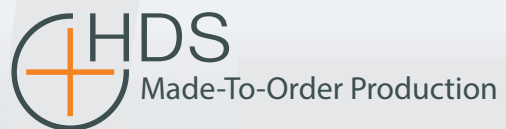
## HDS-Made-To-Order Production

The HDS-Made-To-Order Production covers the production of our innovative sawmill tools. Our ultra-modern machinery is also utilised by the repair and regeneration service of our Made-To-Order Production. All products and services of HDS-Made-To-Order Production are subject to our strict quality standards.

## HDS-Engineering

Our HDS-Engineering division is home to our design and development. This high-tech department particularly handles our "SoWa Sawmill Optimised Tool Design". Here the design and production of our sawmill tools are precisely adapted to the specific operating conditions at the sawmills.

This is home to our research and development of completely new sawmill tools and where we design optical measuring- and testing machines, including for our production.



# TECHNOLOGY

## SoWa . Sawmill tools perfectly adapted to your saw line

HDS-Sawmill Tools have always been designed for the requirements at the sawmill. The enhanced performance of such optimised sawmill tools combined with the satisfaction of our customers has now encouraged us to firmly anchor this optimisation process in our company philosophy and give it a uniform name.

“SoWa Sawmill Optimised Tool Design” puts our optimisation process in a nutshell.



Our HDS “Sawmill tools” product range covers the majority of a modern sawmill’s tool needs.

For log yards there are our robust CROSSCUT circular saw blade with interchangeable inserts measuring up to 2.8 metres in diameter, and the tried and tested SPINCUT milling shaft butt end reducer.

For chipping we can supply all the necessary sawmill tools for your units. Here our product range includes segments, sizing rings and knives of various design styles. For economic increase in performance we offer our CANTERCUT chipper canter, a complete and optimally coordinated tool solution.

For profiler and cutting units, in addition to our complete PROFILCUT profiler cutters we also supply all sizing rings, smoothing segments, smoothing knives and the necessary system components such as segment carriers, knife holders, pressure plates, etc.

Our BASIC and the graduated STABILO provide two categories of high performance saw blades for all circular saw units. Both circular saw blades offer a number of technical refinements to coordinate optimally for the respective purpose.

HDS-Sawmill knives and the TRIMCUT circular saw blade designed specifically for trimming are used for subsequent processing.

## HDS Sawmill Tools for the saw line

### HDS-Sawmill Tools for chipping unit 1

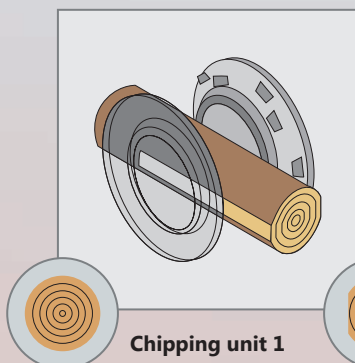
- + CANTERCUT chipper canter
- + Sizing rings
- + Smoothing segments
- + Smoothing and chipping knives
- + Knife holders, pressure plates
- + Sizing ring carrier

### HDS-Sawmill Tools for chipping unit 2

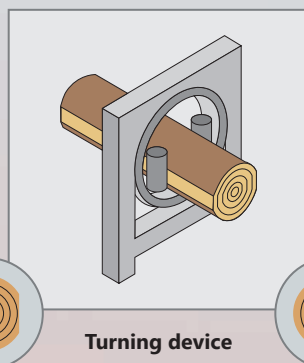
- + CANTERCUT chipper canter
- + Sizing rings
- + Smoothing segments
- + Smoothing and chipping knives
- + Knife holders, pressure plates
- + Sizing ring carrier

### HDS-Sawmill Tools for saw cutting unit 1

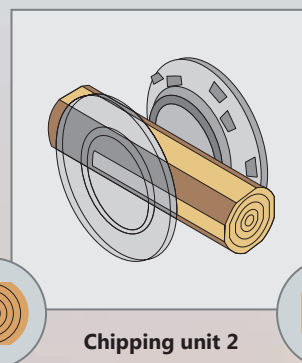
- + PROFILCUT profiler cutters
- + Sizing ring/segment
- + Profiler knife
- + Knife holders, pressure plates
- + Segment carrier
- + STABILO circular saw blades
- + BASIC circular saw blades
- + Distance rings



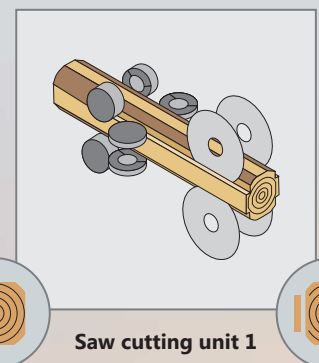
Chipping unit 1



Turning device



Chipping unit 2



Saw cutting unit 1

# TECHNOLOGY

## STABILO . Perfect for heavy duty rough and fine cuts

Graduated circular saw blades continue to define the standard in the heavy duty segment to this day, since modern sawmills didn't have access to a highly efficient circular saw blade until the "AST Graduated Saw Blade Technology" was developed.

STABILO class circular saw blades have since long taken root in sawmills. They're used for the rough cut, and for a few years now also more and more for fine cuts, and ensure highly efficient tool use.



Compared to straight circular saw blades, STABILO circular saw blades with "AST Graduated Saw Blade Technology" allow for an extremely small kerf, thus an effective lumber yield.

The name "STABILO" alone already indicates the solid saw body which ensures a long circular saw blade life. A STABILO blade can therefore also be regenerated multiple times.

On the saw line, STABILO is used for rough as well as fine cuts. For rough cutting the STABILO circular saw blade can withstand extreme strain as a result of the desire for always increasing feeds

with high cutting heights and the least kerf possible. Even in fine cuts STABILO demonstrates the kerf reduction with high feed. When using the circular saw blade for rough and fine cuts, the lumber yield increases in two respects.

STABILO circular saw blades designed specifically to your cutting line, therefore combining maximum performance with extremely high stability, and the kerf reduction provides the optimal lumber yield. STABILO is therefore the perfect circular saw blade for rough and fine cuts on your saw line.

## HDS Sawmill Tools for the saw line

### HDS-Sawmill Tools for saw cutting unit 2

- + PROFILCUT profiler cutters
- + Sizing ring/segment
- + Profiler knife
- + Knife holders, pressure plates
- + Segment carrier
- + STABILO circular saw blades
- + BASIC circular saw blades
- + Distance rings

### HDS-Sawmill Tools for fine cutting unit

- + STABILO circular saw blades
- + BASIC circular saw blades
- + Distance rings

