



Perfect in every respect

Get to know the extensive product range
of the world's leading manufacturer of band knives.

HIGH-GRADE Technology

Splitting band knives for the automotive industry

Band knives for foam

Band knives for rubber

Splitting band knives for leather



Only the best are entitled to deliver.
Our band knives are made from cold-rolled carbon steels with the adherence to smallest tolerances.



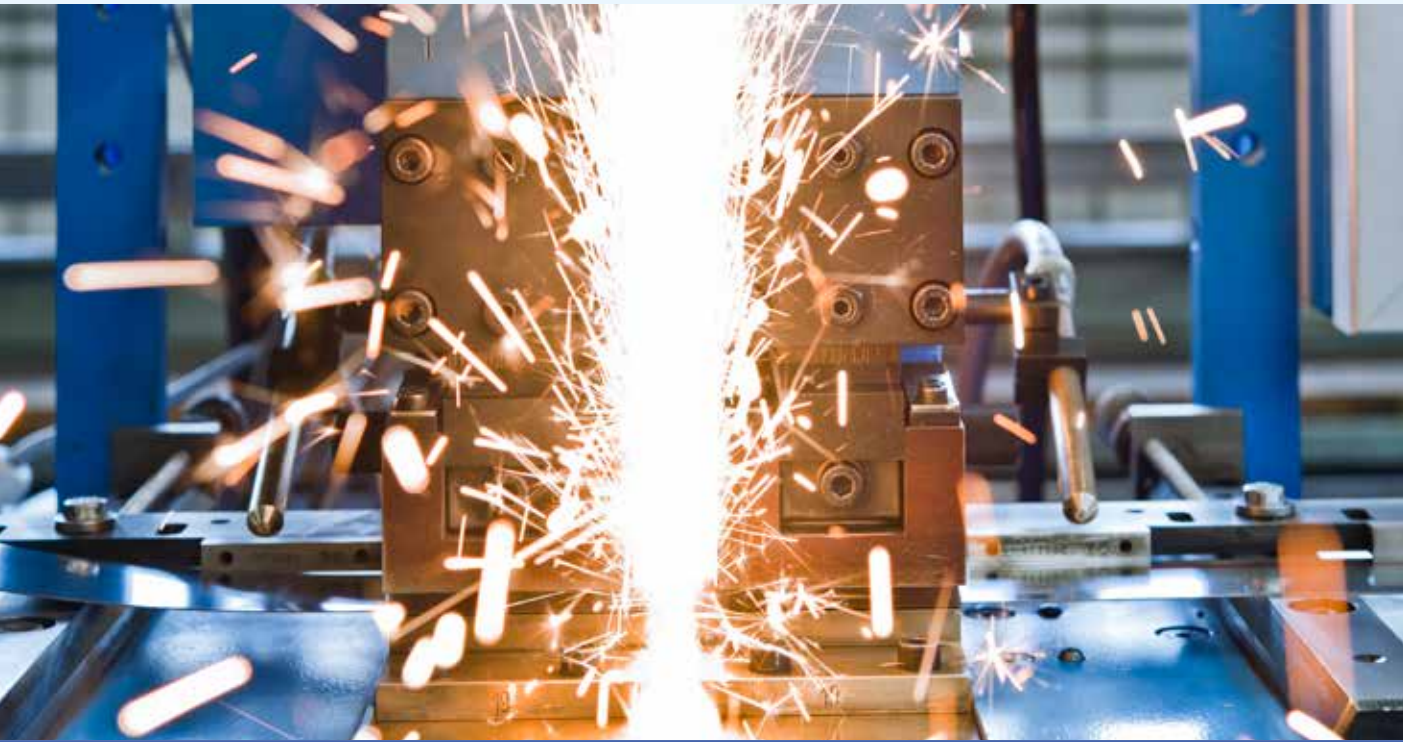
The key to a history of more than a century:
The latest production technology, well-trained and motivated employees, and a future-oriented management team.



We are experts when it comes to grinding:
As a result, we can achieve smooth surfaces, thus ensuring an optimum cut.

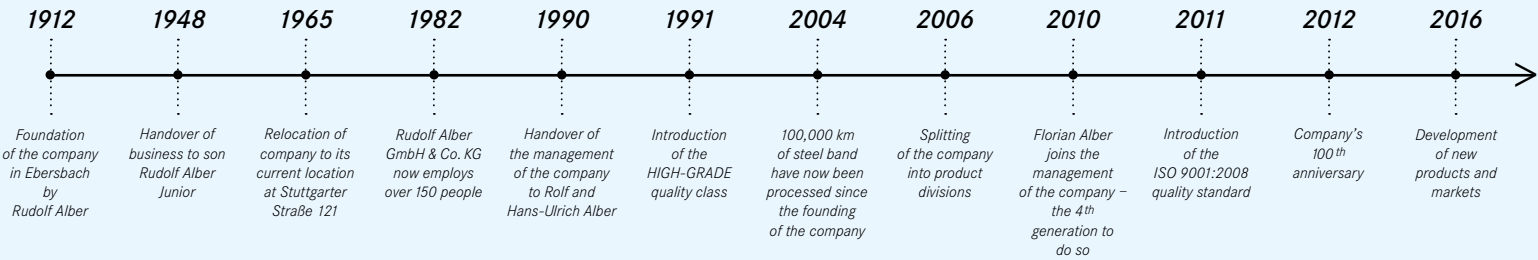


We start where others stop:
Precision for straight run and dimensional parameters.



**Passing it on from generation to generation:
Ambition, quality, and the ability to create the best product.**

We have the experience needed to produce the best cutting tools for you from high-grade steel.
As a family business, we're focused on long-term success.



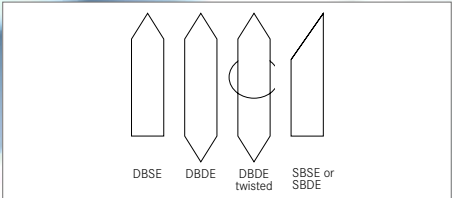
Our company is based in Ebersbach, Baden-Wuerttemberg.
Our company's production takes place at the heart of Europe and in the centre of one of the most innovative industrial regions of Germany.
Our 80% export quota attests to the world-wide usage of our products.

Band knives for foam

Machines
> Fecken-Kirfel
> Bäumer
> Sunkist
> Esco
> Hyma
> Kuris

Tooth shapes
> Pointed tooth
> Angle tooth
> Concave
> Convex
> E-tooth

Designs
> Smooth cutting edge
> Serrated cutting edge
> Serrated only
> Straight-set
> Hardened



Smooth cutting edge
The standard product for soft materials.



Concave tooth shape
A combination of a tooth tip and long shaft - for soft materials with a hard outer skin.

Applications
> Furniture upholstery
> Mattresses
> Filters
> Automotive sector
> Kitchen sponges
> Packaging
> Floral foam
> Sound isolation
> Napkins
> Fabric cutting

Dimensions		1 smooth cutting edge	2 smooth cutting edges
6 x 0,40 mm	6 x 0,60 mm	X	X
8 x 0,45 mm		X	X
10 x 0,45 mm	10 x 0,60 mm	X	X
12 x 0,45 mm	12 x 0,60 mm	X	X
15 x 0,45 mm	15 x 0,60 mm	X	X
20 x 0,45 mm	20 x 0,60 mm	X	X
25 x 0,45 mm	25 x 0,60 mm	X	X
30 x 0,45 mm	30 x 0,60 mm	X	X
	35 x 0,60 mm	X	



RA-Super
The tooth-hardened knife with e.g. double sided pointed tooth – an extremely long lifetime, even when cutting abrasive materials.



Convex tooth shape
The wave cut enables a more aggressive cut than a smooth cutting edge while still enabling a smooth cut surface, e.g. for the cutting of fleece.

Materials
> Polyurethane
> Basotect®
> Felt
> Foam rubber
> Closed cell foam
> Neoprene
> Visco
> Sponge rubber



Double pointed tooth
Also available as an angle tooth version.

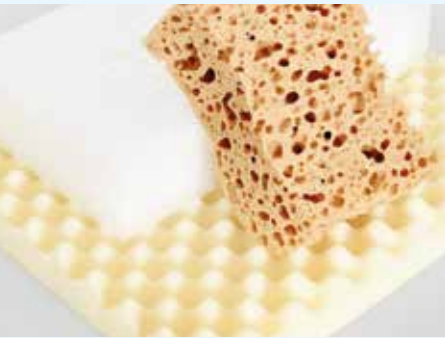
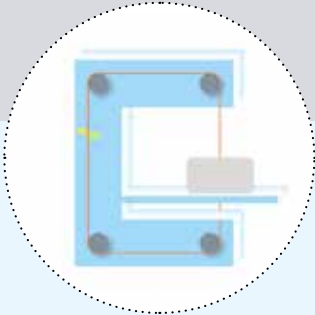


Band knife with two cutting edges
Available in practically all tooth types, naturally also available unwelded in coils.



A masterpiece - tooth by tooth:
The correct band knife for every requirement.

Not all foams are the same, and not all rubbers are the same:
The material of our modern world are becoming increasingly complex and demanding.
It's a good job that we have a solution for everything.



53% of all the plants in this area are operated with the wrong tool. Cut quality, working speed, waste minimisation, user-friendliness etc. – there are lots of parameters that contribute towards the optimum choice of band knife.

We'll be glad to provide you with advice for your individual application.
In doing so, we are able to choose the right combination of tooth geometry, steel grade, and production process from a wide spectrum.

Band knives for foams for contour cutting

Machines
> Bäumer
> Fecken-Kirfel
> Sunkist
> Esco
> RAM
> FEMA
> Konturex

Applications
> Furniture upholstery
> Mattresses
> Automotive sector
> Kitchen sponges
> Packaging
> Medical technology
> Sound isolation

Materials
> Polyurethane foam
> Basotect®
> Visco
> Composite foam
> Polyethylene foam
> Mineral wool
> Laminated materials
> Phenolic foam

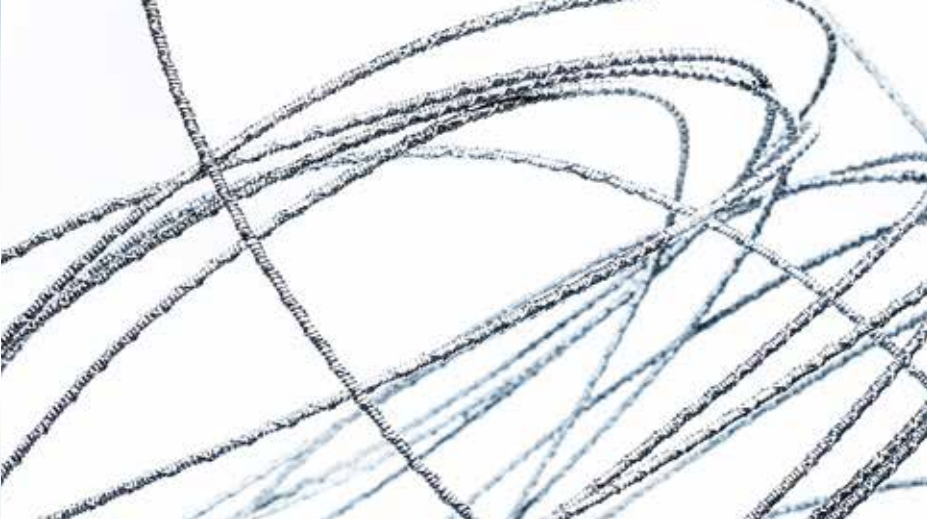
A wide range of narrow bandknives
We offer all dimensions and designs for contour cutting.

Cutting wire designs
> SD1 Compressed foam
> SD2 Flexible foam
> SD3 Polystyrene foam
> SD4 Phenolic foam
> SD5 Cellular glass
> SD6 Rigid foam
> SD7 Mineral wool
> SD8 Silicate foam

Contour knife dimensions	1 smooth cutting edge	Micro-toothing
4,5 x 0,80 mm	X	X
4,5 x 0,65 mm	X	X
3,8 x 0,70 mm	X	X
3,6 x 0,60 mm	X	X
3,0 x 0,60 mm	X	X
3,0 x 0,45 mm	X	X

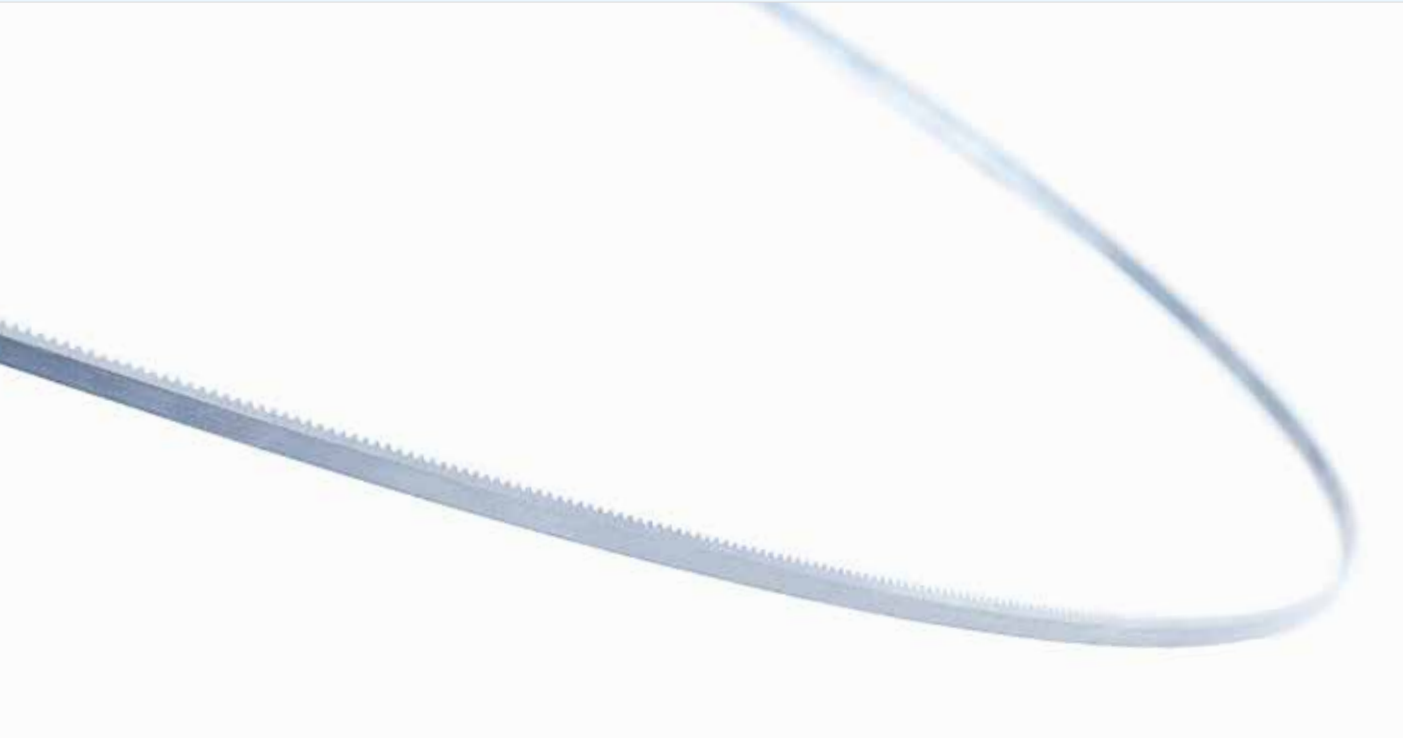


Whether flat or pointed, all shapes are available quickly from stock.



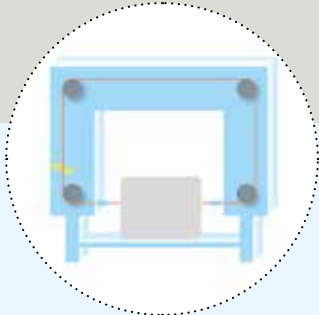
Cutting wires are available in all lengths.

Designs
> Circulating
> Oscillating



Perfection that’s hard to improve on:
Our contour knives always cut well.

The cutting of contours is a supreme discipline.
Alber’s band knives improve the productivity and quality of the application.



A precise edge and stability-optimised welding procedure give our contour knives the advantage that improves your cutting process.
Small cutting radiuses at high speed – no limits are placed on the shapes that you can create.
Instead of replacing the knife early, you can cut another block... and another... and another...

For contour cutting with wires, we offer optimised tools for all materials.
The advantages of our tools can – among other things – be seen in their cutting speed, precision, smooth surfaces, and low-dust work.

Splitting band knives for cork, rubber, textiles, and tissue

Machines
> Bäumer
> Fecken-Kirfel
> Sunkist
> Tensheeg
> Esco
> Mayer
> Texma
> Gong Young

Applications
> Cork boards
> Rubber bases
> Seals
> Carpet recycling
> Tissue rolls
> Double raschel cloth

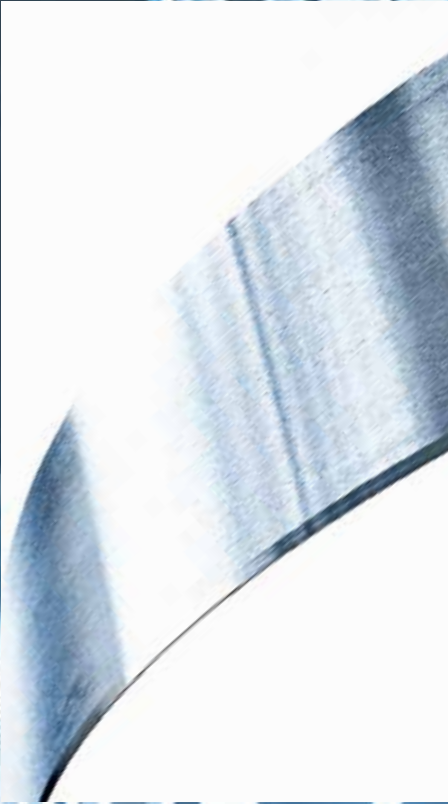
Qualities
> RA-Perfect
> RA-Super
> RA-Super G
> RA-High Grade
> RA-High Grade SY

Standard tolerances
> Thickness +/- 0,02 mm
> Tracking +/- 0,025 mm

Dimensions						
Thickness in mm	0,6	0,8	0,9	1,0	1,2	1,5
Width in mm						
50				X	X	
60	X	X		X	X	
80	X			X		
85		X	X	X	X	
90					X	
95					X	
100					X	X

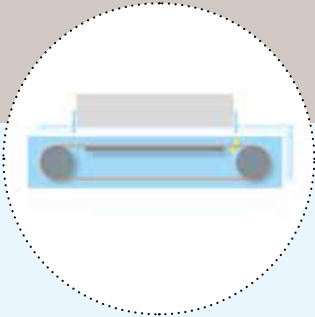


Optimised and individual cutting geometries ensure an optimum cut as well as saving time and therefore money.



Precise and accurate. They run and run and run:
Our splitting band knives are real record contenders
when it comes to running time.

Our aim is to achieve a constantly high cut quality from the very first cut to when the knife is changed. Our band knives attest to this on a daily basis when used for applications with the most stringent requirements.



Band knives for horizontal cutting are found in many application areas and cutting processes: Panel cutting, roll production, peeling and looper processes, profile cutting, fine splitting, and so on.

Our goal is for each band knife to work continuously and for as long as possible. The use of the right steel and a careful production process make our band knives into a tool that doesn't "hit the wall" even when other tools have already run out of steam.

Splitting band knives for leather

Machines
> Alberti
> Atom
> Camoga
> Fortuna
> Sagitta
> Svit
> Dashun
> Nippy
> Klein

Applications
> Shoes
> Leather goods
> Belts
> Leather for the automotive sector

Qualities
> RA-165
> RA-High Grade SY

Standard tolerances
> Thickness +/- 0,02 mm
> Tracking +/- 0,01 mm

Dimensions					
Thickness in mm	0,4	0,5	0,6	0,7	0,8
Width in mm					
40	X	X			
50			X	X	X
60			X		X

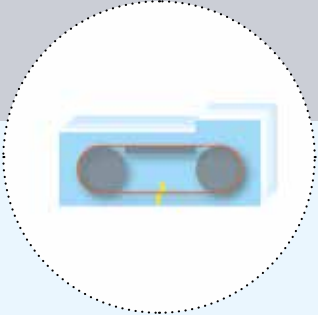


Valued all around the world. The right one for everyone. From end customers to machine dealers and splitting machine manufacturers. Popular dimensions are available to our customers from stock.



Imperceptible weld seams:
Our knack for meeting really special requirements.

Our splitting band knives enable groove-free fine splitting. Even for thin materials with a material thickness significantly below 1 millimetre.



The high cutting precision of Alber splitting band knives gives you improved quality in your end products. In the production of shoes, leather goods, and car seat covers, the use of our knives is indispensable when it comes to achieving uniform thicknesses and smooth surfaces.

The long lifetime of our splitting band knives reduces production costs, and machine downtime decreases significantly since knives need to be changed less frequently. Our precisely tailored designs also reduce wear on important machine parts - a positive long-term contribution to your overall budget.

Splitting band knives for tanning

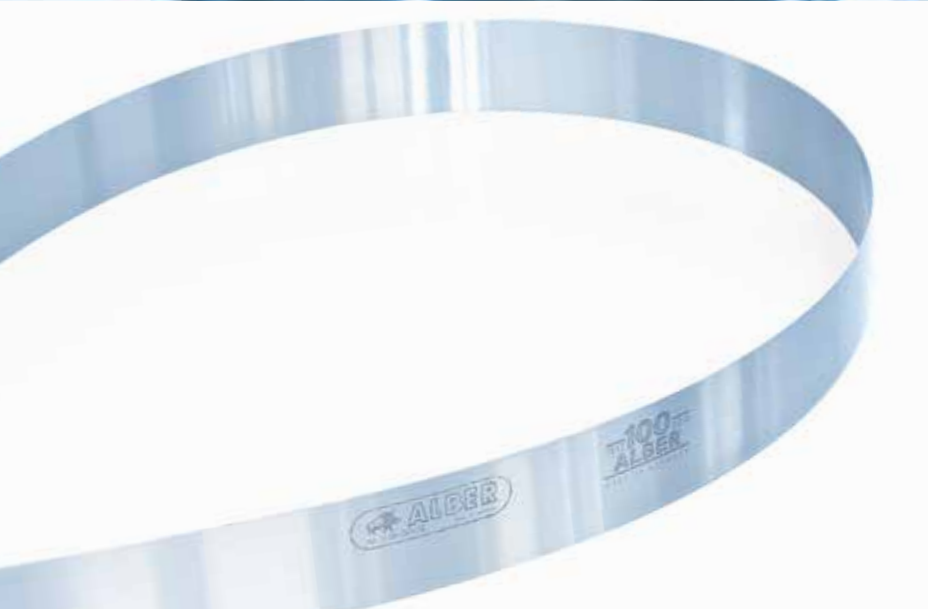
Machines
> Alpespak
> Linta
> Mercier
> Mosconi
> Poletto
> Rizzi
> CSM
> Capdevila
> Turner

Applications
> Lime splitting
> Wet blue tanning
> Wet white tanning/vegetable tanning
> Dry leather
> Shearing hide

Qualities
> RA-Perfect
> RA-Super
> RA-Super G
> RA-High Grade
> RA-High Grade SY

Dimensions				
Thickness in mm	0,8	0,9	1,0	1,2
Width in mm				
80			X	
85	X	X	X	X
90				X
95				X
100				X
110				X
120				X

Standard tolerances	
> Thickness	+/- 0,02 mm
> Tracking	+/- 0,025 mm



High steel quality
Our direct contact with cold-rolling mills allows us to make the optimum selection of raw material.

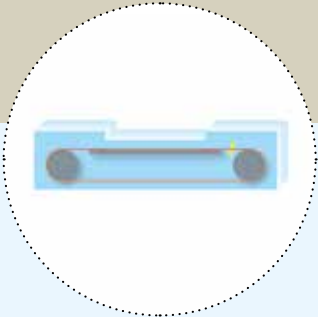


A full range
Whether for wet blue tanning, dry leather, or crust application, we can deliver the best solution for each application and machine.



Valued around the world by the best tanneries:
Our splitting band knives for precise splitting
thicknesses.

Leather - a product resulting from modern production processes and artisanal prowess.
Our splitting band knives make a contribution to this in practically all top-rated tanneries.



The splitting of hides is a value-adding process in the production chain.
The splitting band knife is the decisive factor here in maximising output and product quality.
To ensure this, we select special steels that we procure directly from European steel manufacturers.
Each coil of steel is checked to make sure that its material properties are suitable before being processed. Only materials that meet our high requirements reach the production process.
This is the basis of our leading quality position, which in turn offers you a significant advantage when splitting hides.



Special steel grade:
A smooth cutting surface along with precision in the micrometre range.



HIGH-GRADE:
Our technology for unmitigated precision.

The champion of the splitting band knives:
The continuing development of all of our tools’ parameters allows us to offer products that achieve top marks even in extreme situations.



In collaboration with users, steel manufacturers, and our product management team, we have driven the evolution of the splitting knife even further. Our task was to bring wear resistance and precision to previously unknown levels.

The high-performance „High Grade” knife offers noticeable advantages in comparison with traditional knives. Splitting thicknesses that were previously not thought to be possible can now be achieved in a reliable process. This knife is indispensable in high-end production departments. Ask us for more information.



1912 **100** 2012
ALBER
MADE IN GERMANY



Rudolf Alber GmbH & Co. KG

Stuttgarter Straße 121
D-73061 Ebersbach/Fils, **Germany**
Phone +49(0)7163 169-0
Fax +49(0)7163 169-14
E-Mail export@alber-tools.de
www.alber-tools.de