



Fortuna

GERMAN MANUFACTURER EST. 1903

*PRECISION
PERFORMANCE
SOLUTIONS*





Best quality and highest standards of manufacturing have been our company's trademarks for more than 100 years.

A company that has grown steadily – through inventive craftsmanship and market-driven innovations.

Family cohesion provides the basis.

Best workmanship and state-of-the-art technology –

Made in Germany – since 1903.

- 1903 Albert Hirth, father of the famous aviators Hellmuth and Wolf Hirth and Swabian “Leonardo da Vinci”, establishes the Offene Handelsgesellschaft Fortuna Werke in Stuttgart. Emil Lilienfein joins the company as merchant and shareholder. Development of the first skiving machine with bell knife.
- 1938 Development of the first splitting machine FSP.
- 1953 A completely new leather skiving and splitting machine is introduced to an international audience at the Pirmasens Trade Fair.
- 1965 The newly built Fortuna branch in Weil der Stadt is inaugurated. The assembly of skiving- and splitting machines is relocated here.
- 1967 The 50.000th skiving machine and the 250th splitting machine leave the plant.

- 1991 The world's first computer-controlled skiving machine CS 4 is presented at the IMS in Pirmasens.
- 1994 The entire company including the areas leather and spindles move to the branch in Weil der Stadt.
- 1996 The areas leather and spindles are split and allocated different trade names. The Leather division becomes Fortuna Spezialmaschinen GmbH.

- 1998 New development of the computer-controlled skiving machine CSP for the paper and packaging industry, as well as the computer-controlled skiving machine CS 6.
- 2001 A world first is presented at the IMS in Pirmasens: the network compatible skiving machine CSN 1.
- 2002 The SPA 750 expands the range of splitting machines.
- 2005 Fortuna enters into the construction of plant engineering in beverage packaging.
- 2008 The first beverage packaging system is presented at the DRUPA in Düsseldorf.
- 2010 New development of the computer-controlled skiving machine NG 6.
- 2014 Fortuna celebrates 111 years of German manufacturing.
- 2017 Fortuna under new ownership: NMP Germany GmbH.

Fortuna

*Big company or small workshop –
with our competencies, our ideas, technologies and
processes we are always a reliable partner
around the world.*



BENEFITS & SERVICE



Our core competence is skiving and splitting leather, synthetics, rubber, paper and technical textiles – as the market leader we are setting the standards in this field, with machines unrivaled in quality. Fortuna stands for premium quality, best workmanship and state-of-the-art technology.

After analysing your specific requirements, we are part of your team with innovative solutions.

The objective is to develop a facility or machine that is tailored to your

requirements and production. Skiving or splitting machine, standard or custom-made, bell knives or band knives – all products stand out through their durability, highest precision and maximum productivity. As we are continuously evolving, we can find the optimal solution for every customer.

Our team guarantees individual customer care and combines years of experience with our young colleagues' fresh ideas. Our service team is at your disposal any time through personal contact or per email regarding technical questions, requests for training, commissioning, repairs or machine maintenance.

True to the motto "We are where our customers are", we maintain an international network of experienced technicians who competently offer support and guidance. This also includes storage of perfectly fitting spare- and working parts.

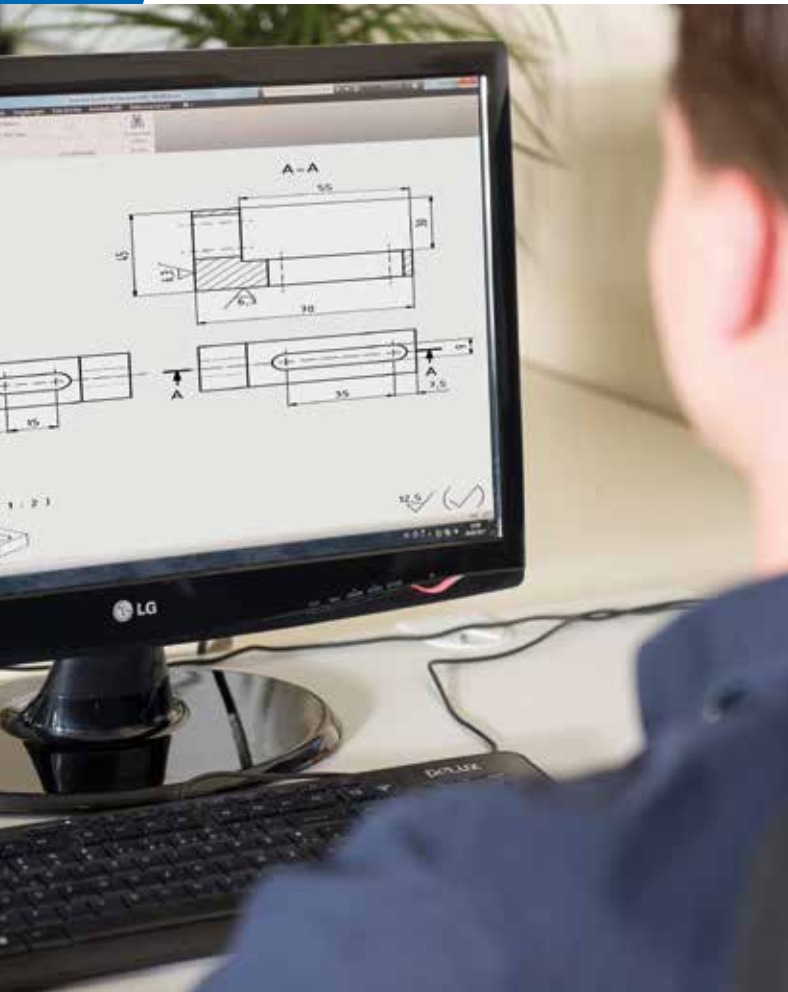
Remote-Service

After establishing the connection, a VPN connection enables our service personnel to carry out:

- Diagnostic test-runs
- Troubleshooting
- Parameter- and software adjustment
- Software updates

The operator can receive help directly from any location through our remote service.

DEVELOPMENT & PRODUCTION



The development department, located directly on the premises of our company, enables a goal-oriented implementation of customer requirements.

Regular market analyses in combination with state-of-the-art technologies and constant dialogue with our customers secure our technological lead.

Long-term growth for our customers and sustainable development for our environment are part of our company's goals.

The latest CAD- and construction programmes support the construction of individual parts,

assemblies and machines as well as complete equipment.

From minor modifications of standard machines to the construction of new customised machines, we will be delighted to offer you comprehensive advice concerning your specific product application.

We support our customers from idea to prototype.

If the machine is designed to be integrated into your existing production line, the requirements analysis as well as project meetings can take place on site in your company.

The philosophy of German manufacturing, a 'one-stop' service, guarantees the quality, durability and reliability of all our Fortuna products.

Short communication channels and a rapid response facilitate customer-focused and effective problem solving.



Modern machinery, most advanced manufacturing technology and our employees' professional expertise ensure the highest standards in terms of quality and products.

The steady optimisation of manufacturing processes allows for high-precision production.

We are continuously developing new, pioneering technologies and processes for future demands and thereby validate our position as market leader.

Company certification according to DIN EN ISO 9001

This certification defines the implementation, constant development and monitoring of our quality management system.

Our processes are continuously improved, thereby guaranteeing highest standards of quality.



- Shoes
- Orthopaedics
- Leather goods
- Automotive
- Automotive suppliers
- Rubber
- Fur
- Clothing
- Technical textiles
- Carpet
- Upholstery



Edges of different materials in any desired shape and size are thinned out with greatest precision.

A flawless butt joint is obtained by folding the edge as well as by sewing, vulcanising, or bonding with other pieces of leather.

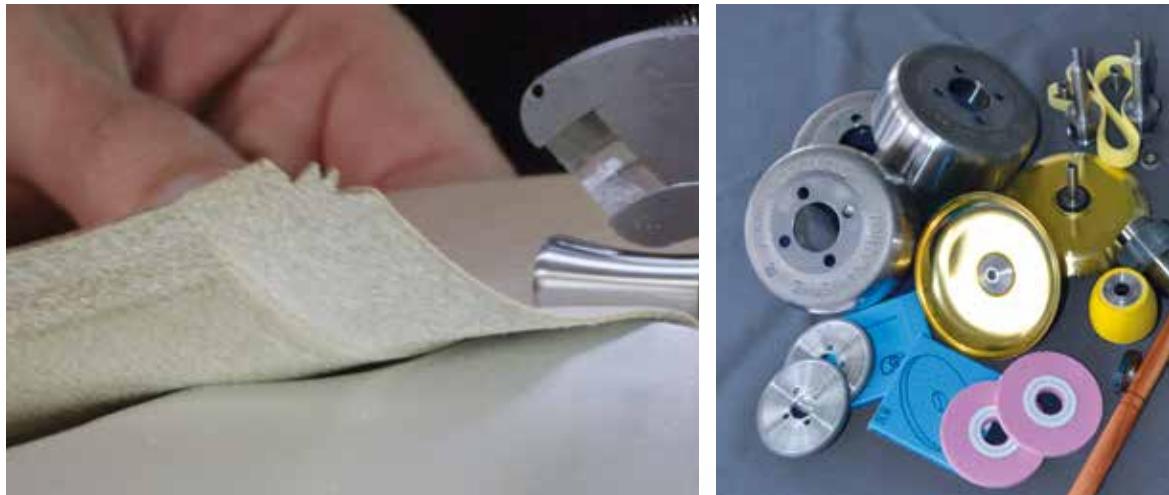
In contrast to splitting, not all the material is reduced, but only the outer edge.

The round shape of the bell knife allows for a permanent sharpening during the process.


Through the use of special presser feet, particular skiving shapes can be created, from V-skiving to folding groove. This way, even particularly elastic or rigid materials can be processed.







The ergonomics of our machines are characterised by a continuous work surface, more leg space for the operator and the optional addition of height adjustment.

Custom-fit original parts guarantee exact skiving for highest demands. Lowest tolerances ensure best results.



Leather, faux fur, synthetics or rubber, we have the right skiving machine for every product. Through different combinations of presser feet and feed rolls, any machine can be specifically equipped for your application. Skiving machines depending on the nature of the material to be processed exist in reinforced versions.

				
Type	NG 6	NG 3	34 VK	50 KK-S
Skiving width	0 - 18 mm	0 - 18 mm	0 - 34 mm	0 - 50 mm
Skiving angle	0 - 33°	0 - 33°	0 - 20°	0 - 20°
Typical applications	Steering wheels, seats, gear knobs, door panels	Shoes, leather goods, belts, laminated materials	Shoe caps, thermoplastic and uncoated materials in high volume	Leather soles, hard and heavy materials, leather toe caps and counters
Characteristics	Automatic grinding and knife positioning	Manually adjustable grinding and knife positioning	Automatic work-piece feeding	Driven guide roll

					
50 KS-G	V 34 S/KF	34 S-AG/M	ES 50	50 KT-SA	SM 50
0 - 50 mm	0 - 34 mm	0 - 11 mm	0 - 50 mm	0 - 50 mm	0 - 50 mm
0 - 20°	0 - 20°	0 - 45°	0 - 20°	0 - 20°	0 - 20°
Plastics, rubber, printing blankets, diving suits, technical foams, conveyor belts	Shoe caps, thermoplastic and uncoated materials in low volume	Moccasins	Shoes, leather goods, belts, technical textiles, laminated materials in low volume	Artificial fur, natural fur, felt	Shoes, leather goods, belts, technical textiles, laminated materials in low volume
Driven guide roll	Driven guide roll	Driven guide roll		Driven guide roll	Without working table and suction

SPLITTING

- Shoes
- Leather goods
- Automotive
- Automotive suppliers
- Rubber
- Synthetic material
- Cables
- Paper
- Cardboard
- Recycling
- Carpet
- Felt
- Sporting goods



Various materials in any shape and size are split into different layers with greatest precision.

Through this splitting process, uneven materials can be brought to uniform thickness, or the initial thickness reduced to a final measure.

Incision splitting is one of numerous options that can be applied. In contrast to skiving, not only the outer edge is reduced, but the whole of the material.

The endless band knife allows a permanent sharpening during the process.

Through the use of profile rolls, profile bars and templates, different indentations can be made in the material.

A continuous, solid cast iron body guarantees operation with low vibration, even after years of use.

Our machines's ergonomics are characterised by a continuous work surface, easy access of the operating module, and a targeted illumination of the work area.

The possibility for roll-under machines enables flexible transportation and positioning.

Custom-fit original parts guarantee exact splitting for highest demands. Lowest tolerances ensure best results.

SPLITTING

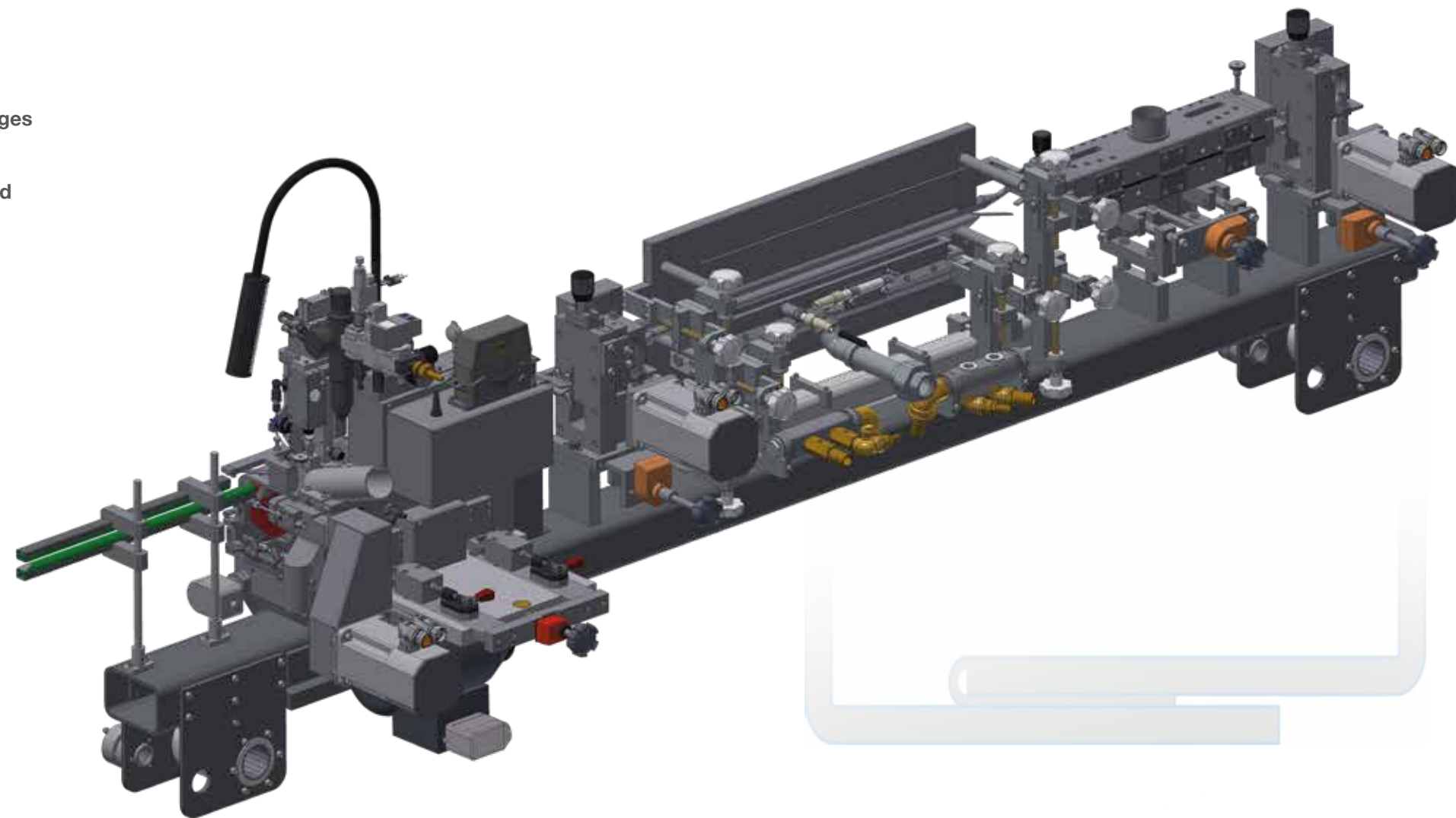


From leather to technical foam, carpet or rubber, we split it.
Whether presser bar, presser roll or feed roll, we have the tools suitable for you.
Options such as enhanced suction allow for the processing of special materials.

		
Type	AB 320	AN 400
Splitting width	320 mm	400 mm
Minimum splitting thickness roll	0,5 mm	0,5 mm
minimum splitting thickness bar	0,2 mm	0,2 mm
Maximum clearance	8,0 mm	8,0 mm
Typical applications	Shoes, leather goods, belts, felt, sponge wipes	Shoes, leather goods, belts, felt, sponge wipes
Depending on the machines	AB 320 G: Cable insulations, flexible tubes, conveyor belts, sealings, foams, optional increased clearance: 20,0 mm AB 320 P: Paper, paperboards minimum splitting thickness: 0,05 mm maximum splitting thickness: 3,0 mm	

	
FSP 470	FSP 750
470 mm	750 mm
0,5 mm	0,9 mm
0,2 mm	0,4 mm
8,0 mm	8,0 mm
Shoes, leather goods, belts, felt, sponge wipes	Steering wheels, seats, gear knobs, door panels, dashboards, recycling of composite materials
FSP 470 G: Kable insulations, flexible tubes, tires, conveyor belts, sealings, foams, printing blankets, optional increased clearance: 34 mm	

- Beverages
- Food
- Pet food

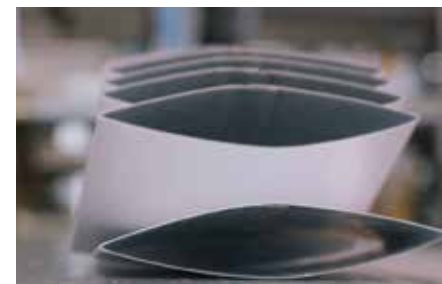


Our packaging system allows for the production of cardboard containers with a sealed inside edge. To this purpose, our patented skiver first peels off a thin layer of the edge that is to be sealed. The edge is then reshaped at the creaser unit. A patented water-cooled burner activates the polymer coating of the sealed area to the millimetre. An innovative folder and presser unit then seals the inside edge of the carton, thereby preventing liquids and other food substances from entering into the packaging.

With a production speed of up to 1000 m/min and a production output of ca. 185.000 one litre cartons per hour, we are international leaders in terms of technology.

Already existing lines can be upgraded with our components as well.

We also help our customers implement customised solutions – from concept to construction to installation and commissioning.



SKIVING CARDBOARD



The patented, fully automated special skiving machine for highest precision skiving of cardboard provides optimum edge protection.

The precise removal of the shavings in one piece considerably reduces the generation of dust.

The bell knife is continually sharpened during the peeling process, with the result that it needs to be replaced only when worn completely.

The resulting downtimes can be reduced to a minimum through additional use of a quick change system.

All necessary processes for flawless sharpening are programmable and fully automated.

Additionally, all processes are continuously monitored with the aid of integrated sensor technology in order to guarantee production and process reliability.

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