LUTZ BLADES®
exactly

EN

PRECISION BLADES FOR
LABORATORY AND MEDICAL TECHNOLOGY, DERMATOLOGY









PRECISION AND SHARPNESS – **FOR YOUR SUCCESS!**

Whether "razor-sharp" for the finest cuts or "extremely stable" for impact and pressure cuts: for more than 100 years, precision has been the philosophy of our company – in everything we think, produce and deliver to our customers.

Precision guides us from the initial idea to the finished product and ultimately to the optimum solution for every cutting task. This is the only way we can meet the high standards our customers expect from us. In every development and production step – blade by blade.

To achieve this, we are committed to high quality, precision and sharpness in our work. Together with our customers, we define all relevant parameters necessary to meet individual requirements, ensuring greater sharpness and longer service life. We see ourselves as a partner to our customers, focusing not only on current but also on future customer needs.

We want our customers to be successful, because their success is our success.

FROM SOLINGEN **TO THE WHOLE WORLD**

More than 100 years ago, the history of the company LUTZ began in Solingen. Founded as a contract grinding shop for razor blades, the family business developed over three generations to become an international and globally active manufacturer of industrial blades for a wide variety of applications applications in numerous industries.

1922	3	>400	23,000	>1,500	>500
Foundation of LUTZ BLADES	Generations of Family business	Motivated employees	Production area in m^2	Standard blades in our assortment	Special blades in our assortment

MEDICINE AND LABORATORY

THE RECIPE FOR CLEAN CUTS **BLADES FOR MEDICINE. AND MUCH MORE.**

LUTZ BLADES develops and manufactures blades for a wide variety of cutting applications – with the medical sector being a major focus.

Whether in surgery, pathology, or the production of PVC catheters, the blades from LUTZ BLADES are used wherever precision, high-quality craftsmanship, and superior durability are required and valued.

Our range includes dermatome blades, microtome blades, blades for laparoscopy (abdominal endoscopy), as well as precision and specialty blades for a wide array of applications in medical technology. Custom developments for small series is just as much a part of our daily business as large-scale production. Our blades for ophthalmology, endoscopy, preparation, or cutting umbilical cords meet the high standards our customers expect from us.

With over 100 years of experience, our in-house tool manufacturing, and a modern materials laboratory, we are happy to develop tailored blade solutions that meet the highest quality requirements.

OUR CERTIFICATES



ISO 13485:2016



DIN EN ISO 9001:2015



LYNXERA® by LUTZ BLADES

Blades for Histology and Pathology Laboratories

Blade Technology Made in Solingen.

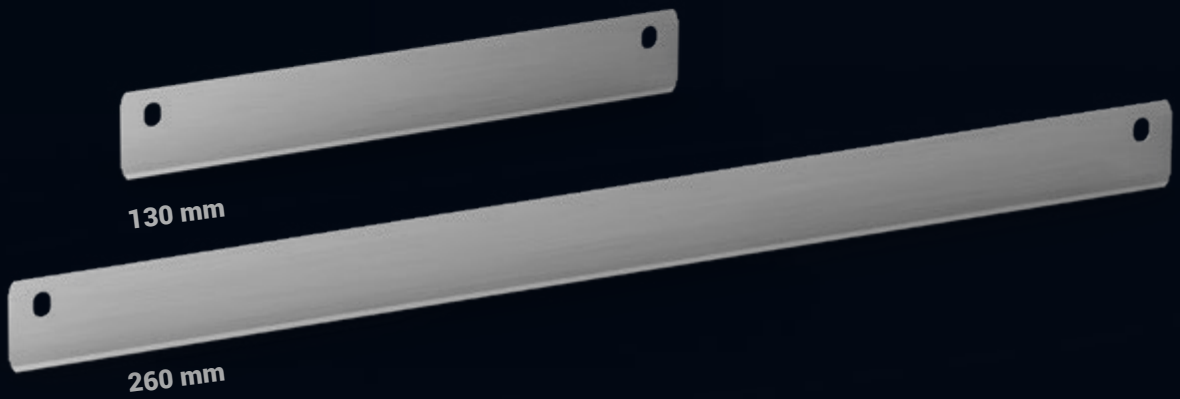




Trimming blades

The precision-ground stainless steel blades ensure clean cuts and reliable handling in histological and pathological laboratories.

The long 260-mm version is suitable for large tissue samples, while the short 130-mm version allows for controlled blade guidance. Rounded blade corners contribute to increased workplace safety. Thanks to their standard hole patterns, LUTZ BLADES trimming blades are compatible with commercially available handles.



NEW

The **LYNXERA**® product family

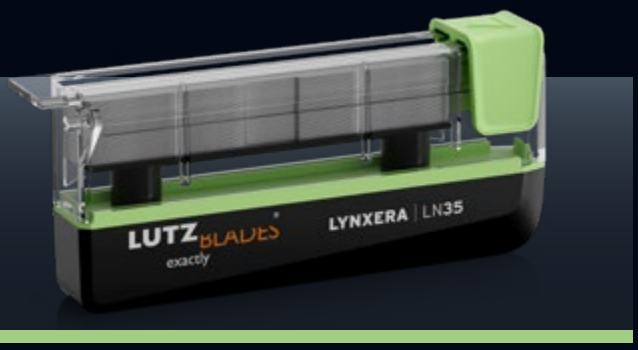
The right microtome blade for every application

Precision, high-quality workmanship, superior service life – blades from LUTZ BLADES offer the ideal conditions for delivering reliable results in histology and pathology, whether for soft or hard tissue. In addition to the special cutting properties of the individual blade models, the LYNXERA product family offers two series (X series, L series) that differ in terms of their grinding geometries. Depending on the microtome used, laboratories can find the right LYNXERA series for meaningful results.

LYNXERA® | LN35

The durable blade for enduring cuts in hard tissue

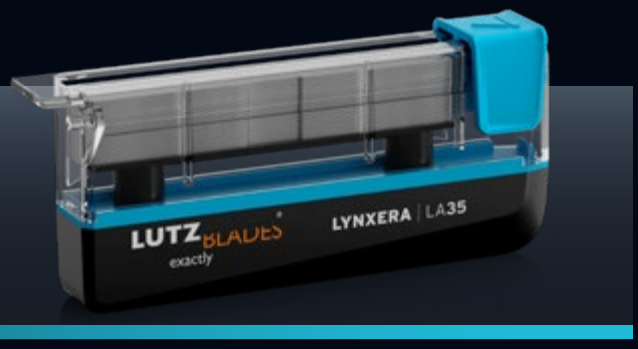
L SERIES · STRONG · THIN · IVD · CE



LYNXERA® | LA35

The precise blade for exact cuts in hard and soft tissue

L SERIES · EASY · THIN · IVD · CE



LYNXERA® | LS35

The universal blade for stable cutting quality

L SERIES · MULTI · THIN · IVD · CE



LYNXERA® | XS35

X SERIES · MULTI · THIN · IVD · CE



BLADES FOR USE **IN LABORATORIES**

Whether medical blades for histology, for pathology or for the pharmaceutical industry: at LUTZ BLADES you will find a wide range of blades for medicine and laboratory technology.

Our blades are mainly used in the field of skin grafting procedures, laparoscopic surgery, and the manufacture of medical products. In these applications, it goes without saying that the blades must comply with the most stringent requirements. Because we know exactly what specifications our customers in the medical sector have to follow, we can also provide them with optimum support in the development of a blade. Whether blades for surgical laparoscopy, disposable blades for histology, microtome blades or blades for dermatome knives: we guarantee our customers that we focus on the end result and customer satisfaction when developing new blades.

	Article description	Blade shape	Coating	Length [mm]	Width [mm]	Thickness [mm]	Material
	LABORATORY AND DIAGNOSTICS						
	microtome blade LS35-6077	rectangular blade	Teflon® (PTFE)	80.00	7.95	0.254	stainless steel
	microtome blade LN35-6077	rectangular blade	Teflon® (PTFE)	80.00	7.95	0.254	stainless steel
	microtome blade LA35-6077	rectangular blade	Teflon® (PTFE)	80.00	7.95	0.254	stainless steel
	microtome blade XS35-6067	rectangular blade	Teflon® (PTFE)	80.00	7.95	0.254	stainless steel
NEW 	trimming blade 130mm-4269	rectangular blade	without	130,00	18,45	0,254	stainless steel
NEW 	trimming blade 260mm-4268	rectangular blade	without	260,00	18,45	0,254	stainless steel



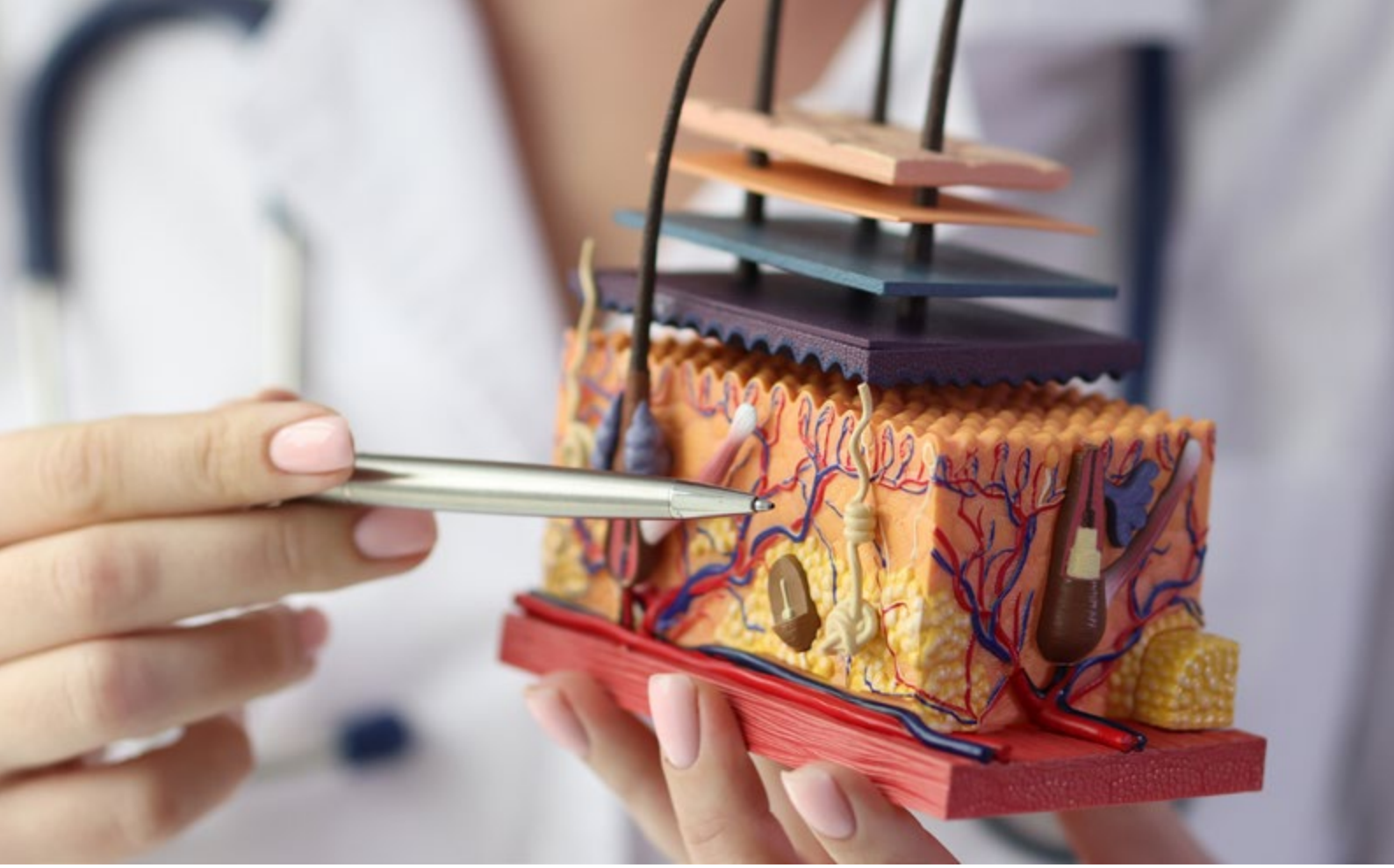


HIGH PRECISION AND A LONG SERVICE LIFE MAKE THE **TABLET DIVIDER BLADES RELIABLE EVERYDAY HELPERS**

Thanks to their precision, high-quality workmanship and superior service life, LUTZ blades are used by market leaders in numerous medical fields. Our blades are also used for tablet dividers.

Our hard tablet divider blades are inserted into a mechanical device that divides the tablets into two equal parts. This makes it possible to obtain an individual dosage.

	Article description	Blade shape	Coating	Length [mm]	Width [mm]	Thickness [mm]	Material
	PHARMACY						
	tablet divider-3300	rectangular blade	without	25,40	8.70	0,38	carbon steel, stainless steel
	tablet divider-7160	rectangular blade	without	25.40	8.00	0.50	carbon steel, stainless steel
	tablet divider-8933	rectangular blade	without	27.30	8.00	0.50	carbon steel, stainless steel



OUR DERMATOME BLADES ARE USED
IN THE FIELD OF SKIN TRANSPLANTATION

There is probably no area in which so much emphasis is placed on excellent product quality as in medical applications. That is why medical blades from LUTZ BLADES are used by market leaders in numerous medical sectors.

The dermatome blades from LUTZ BLADES, for example, are precision tools that are used in surgical procedures to remove damaged tissue or to harvest tissue from a donor site. They can be integrated into both electrical and hand-held devices. An oscillating movement precisely removes the upper layers of the skin - thanks to their precision, high-quality workmanship and superior service life, you can always rely on LUTZ BLADES products.

	Article description	Blade shape	Coating	Length [mm]	Width [mm]	Thickness [mm]	Material
	DERMATOLOGY						
	dermatome blade-0330	rectangular blade	without	50.00	18.80	0.38	stainless steel
	dermatome blade-0331	rectangular blade	without	90.00	18.80	0.38	stainless steel

	Article description	Blade shape	Coating	Length [mm]	Width [mm]	Thickness [mm]	Material
	dermatome blade-4100	rectangular blade	without	106.40	18.80	0.38	stainless steel
	dermatome blade-4110	rectangular blade	without	111.20	32.60	0.38	stainless steel
	dermatome blade-4180	rectangular blade	without	78.60	18.40	0.25	stainless steel
	dermatome blade-4183	rectangular blade	without	15.00	12.50	0.25	stainless steel
	dermatome blade-4181	rectangular blade	without	52.40	18.40	0.25	stainless steel
	dermatome blade-4182	rectangular blade	without	26.20	15.40	0.25	stainless steel
	dermatome blade-4240	rectangular blade	without	81.00	18.80	0.40	stainless steel
	dermatome blade-4242	rectangular blade	without	80.00	22.00	0.30	stainless steel
	dermatome blade-4711	rectangular blade	without	111.10	32.50	0.37	stainless steel

OUR VERSATILE **COATING PROGRAM**

TiN (Titan-Nitrid)

A standard hard material with high wear resistance and a relatively high coefficient of friction (against the reference material steel: approx. 0.4 to 0.7). Typically gold-colored. Safe application range: up to approx. 300 °C.

CrN (Chrom-Nitrid)

A hard, corrosion-resistant, and thermally stable PVD coating characterized by low friction coefficients and excellent non-stick properties. It has a low friction coefficient (approx. 0.57 compared to steel). Approved for food processing.

TiCN (Titanium Carbon Nitride)

An intermediate coating material combining the high wear resistance of TiN with the low coefficient of friction of TiC. The properties vary depending on the C/N ratio. Typically anthracite in color.

TiAlN (Titanium Aluminium Nitride)

Provides greater oxidation resistance than TiN, with a comparable coefficient of friction. Typically anthracite blue in appearance.

DLC (Diamond-Like Carbon)

Features high wear resistance with a low coefficient of friction (approx. 0.1 against the reference material steel). Susceptible to impact loads and high temperatures (between 100 and 300 °C, depending on the structure).

Blueing / Blackening („lusonieren“)

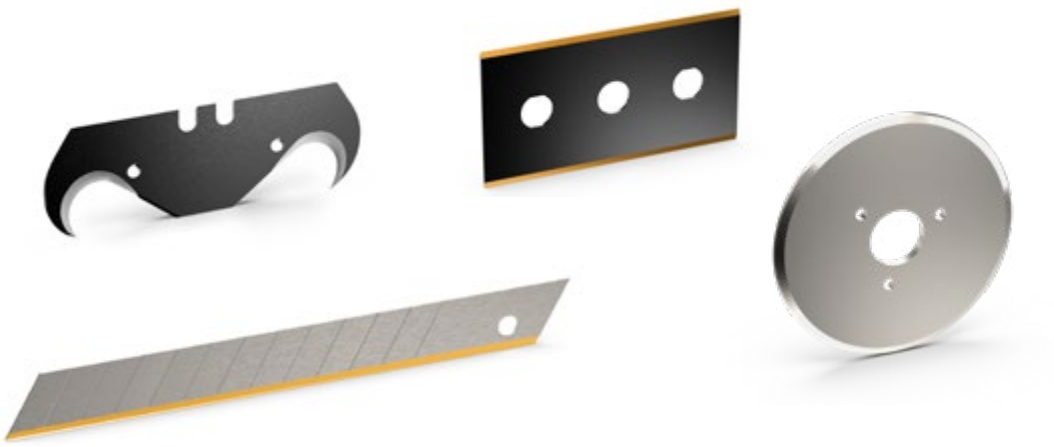
A full-surface treatment that provides light corrosion and starch protection.
Also serves as a distinguishing aid.

PTFE (Polytetrafluoroethylene) – Teflon®

A non-stick Teflon® coating (PTFE) that ensures practically no foreign bodies adhere to the cutting edge due to its extremely low surface tension. Resistant to acids and alkalis. Significantly reduces frictional resistance. Very low static friction allows for smooth, jerk-free cutting, making it ideal for medical applications. Has low wear resistance and is unsuitable for contact with sodium or temperatures above 250 °C.

Color Varnish

Applied over the entire surface. Serves as a sorting aid for different material thicknesses and provides corrosion protection.





THE GREAT SELECTION **OF MATERIALS**

Our product portfolio offers blades with thicknesses ranging from 0.06 to 3.0 mm and final hardnesses between 40 and 85 HRC.

Additionally, you benefit from a large selection of materials, including:

- **CARBON STEEL**
- **STAINLESS STEEL**
- **HSS**
- **BIMETALL**
- **AUSTENITE**
- **TUNGSTEN CARBIDE**
- **CERAMIC**

THE CUTTING SHAPES **OF OUR BLADES**

What does the blade that achieves the best results for your application look like? Does the cutting edge need to work one-sided or two-sided? Should the blade have a single, double or triple bevel? Does it need to be single- or double-edged? Concave or convex?

Admittedly, that's a lot of questions. But you can be certain that at LUTZ BLADES, you'll find exactly the right answer.

		1-sided			2-sided		
		 single bevel	 double bevel	 triple bevel	 single bevel	 double bevel	 triple bevel
single edged		A	B	C	D	E	F
double edged		G	H	I	J	K	L
convex		M	N	O	P	R	S
concave		T	U	V	W	X	Y

LUTZ BLADES®
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HEADQUARTERS

LUTZ GmbH & Co. KG
Piepersberg 20
42653 Solingen
Germany
sales@lutz-blades.com
www.lutz-blades.com



DISTRIBUTION CENTER

LUTZ Polska Sp. z o.o.
Domaszkowice 25
48-321 Niwnica (Nysa)
Poland
info@lutz-blades.pl
www.lutz-blades.pl

LUTZ North America, Inc.
1701 Charleston Regional Pkwy
Charleston, SC 29492
USA
sales-us@lutz-blades.com
www.lutz-blades.us

LUTZ Latam S. de R.L.
Avenida Emiliano Zapata No.127,
Col. Portales
3300 Alcaldia, Benito Juarez CDMX
Mexico
sales-latam@lutz-blades.lat
www.lutz-blades.lat

LUTZ India Pvt. Ltd.
Boulevard Towers, 5th Floor
Sadhu Vaswani Chowk, Camp Pune
Maharashtra – 411001
India
sales-india@lutz-blades.com
www.lutz-blades.in

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