

**CUT MORE COST-EFFECTIVELY WITH LUTZ
MACHINE KNIVES AND BLADES DESIGNED
FOR THE FOODS INDUSTRY**



- CUSTOM BLADES
- FILM AND FOIL
- CHEMICAL FIBRES AND FIBREGLASS
- MEDICAL
- FOOD**
- DIY
- AUTOMOTIVE
- TEXTILES

PRECISION. SHARPNESS. SUCCESS.
exactly

Reasons why you need LUTZ BLADES:



PRECISION.

Our maxim is precision – and it is this principle that accompanies every stage from the initial idea to the finished product. Right through to the ideal solution for your specific cutting application to ensure your requirements are met. Throughout every design and development stage and every production step – blade after blade after blade.



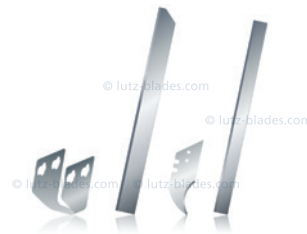
SHARPNESS.

We have been making blades and cutters since 1922. From razor-sharp, for extremely fine cutting jobs to extremely robust for impact and pressure cutting actions. Together with the customer, we define all the relevant parameters to ensure your individual requirements are met – to provide greater sharpness and better service lifetimes.

SUCCESS.

exactly

Your competitive advantage when you use blades from LUTZ in food-processing is the sum of all our efforts and the details we guarantee you. We are pleased to show you those details because your success is our objective – from the first to the millionth blade.



SKINNING AND DERINDING BLADES, MEMBRANE SKINNING BLADES AND RECIPROCATING KNIVES FOR PROCESSING MEAT

Excellent skinning and derinding blades, membrane skinning blades and reciprocating knives improve the efficiency of your meat processing business and the quality of the product.

In this field, LUTZ has been a world market leader for years. Our skinning and derinding blades and

membrane skinning blades are used for processing beef, pork and lamb. Available in many different sizes and for all standard machine types, e.g.: Grasselli*, Maja*, Weber*, Cretel*, Steen*, Nock* and Townsend*.



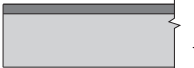

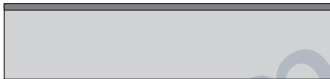
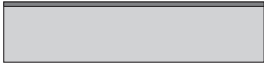


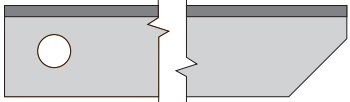


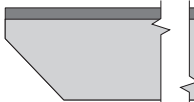
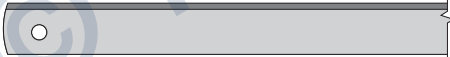
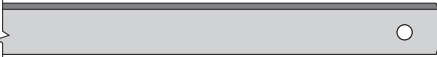
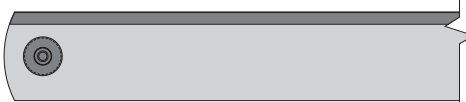
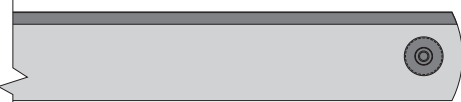

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Ref.	Length (mm)	Width (mm)	Thickn. (mm)	Ref.	Length (mm)	Width (mm)	Thickn. (mm)	Ref.	Length (mm)	Width (mm)	Thickn. (mm)
	variable	20.0	1.00		95.3	22.0	0.69		95.2	22.0	0.70
3015.1000											
3068.1000		22.0	0.70		77.0	22.0	0.70		variable	22.0	0.70
3069.0700				3019.0700				3023.0700			
3062.1000		25.0	0.70	3079.0600	460.0	12.5	0.60	3078.0700	variable	22.0	0.70
3101.1000								3026.1000	variable	20.0	1.00
3031.0700		20.0	1.00		40.0	variable	0.50		120.0	22.0	0.70
3087.1000				3410.0500				3070.0700			
	variable	22.0	0.70		variable	22.0	0.70				
3016.0700				3089.0700							
	517.0	22.0	0.70	3143.1000		20.0	1.00				
3155.0700				3148.0700		22.0	0.70				
	variable	10.0	0.50								
2900.0500				2900.0350			0.35				
	variable	16.0	0.50								
2901.0500				2902.0500							
	variable	10.0	0.50								
2902.0500											

LUTZ REPLACEMENT BLADES AND MACHINE KNIVES FOR THE FOOD PROCESSING INDUSTRY

Cutting processes in the food processing industry make the highest demands on efficiency and quality. This applies not only to beef and pork but also to poultry, fish, vegetables and crisps. In this field,

LUTZ manufactures a wide range of replacement blades and machine knives and has successfully worked with several leading enterprises worldwide for many years.



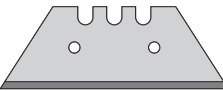
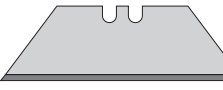
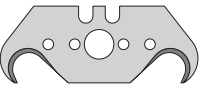
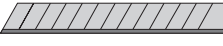

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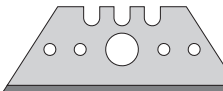
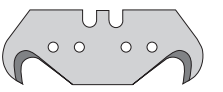

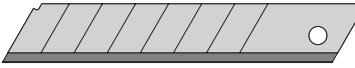

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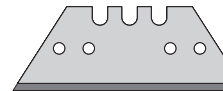
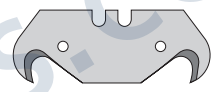
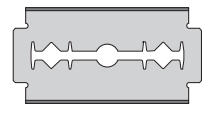
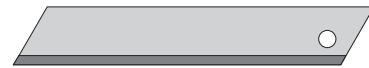

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Ref.	Length (mm)	Width (mm)	Thickn. (mm)
	52.0	18.7	0.40
1005.0400			0.40
1005.0500			0.50
1005.0650			0.65
	61.0	18.7	0.88
1022.0884			0.88
	48.2	18.7	0.50
1256.0500			0.50
1256.0650			0.65
	80.0	9.1	0.40
1705.0400			0.40
	80.0	9.1	0.40
1700.0400			0.40
	58.9	18.7	0.65
1300.0650			0.65

Ref.	Length (mm)	Width (mm)	Thickn. (mm)
	52.0	18.7	0.40
1010.0400			0.40
1010.0500			0.50
1010.0650			0.65
	50.7	18.7	0.50
1250.0500			0.50
1250.0630			0.63
1250.0650			0.65
	50.7	18.7	0.65
1267.0650			0.65
1267.0500			0.50
	100.0	17.7	0.50
2011.0500			0.50
	61.6	12.5	0.65
1063.0650			0.65

Ref.	Length (mm)	Width (mm)	Thickn. (mm)
	52.0	18.7	0.40
1000.0400			0.40
1000.0500			0.50
1000.0650			0.65
	50.7	18.7	0.65
1251.0650			0.65
1251.0500			0.50
	43.0	22.0	0.10
0420.0100			0.10
0420.0150			0.15
0420.0200			0.20
0420.0300			0.30
	100.0	17.7	0.50
2000.0500			0.50
	61.6	12.5	0.65
1064.0650			0.65

THIS IS HOW YOU CAN BENEFIT FROM LUTZ REPLACEMENT BLADES AND MACHINE KNIVES

- » Greater productivity thanks to fewer blade changes
- » High cutting volumes and less scrap
- » Lower process costs due to reduced production downtimes
- » Batch traceability thanks to blade identification
- » Flexibility through the implementation of special requirements



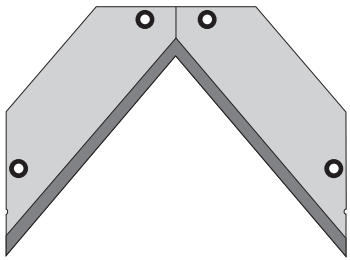
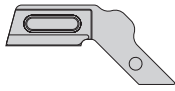
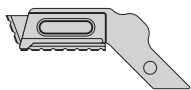
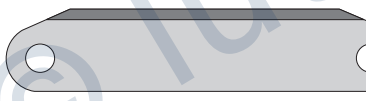
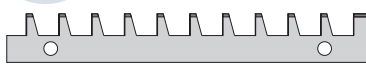
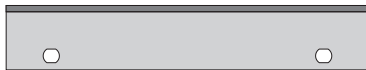
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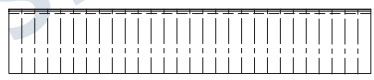
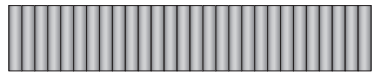
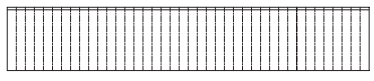
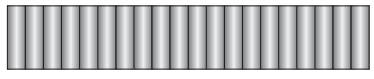
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Ref.	Length (mm)	Width (mm)	Thickn. (mm)
	91.9	67.9	0.50
2802.0500			
	41.0	19.0	0.38
1765.0380			
	40.0	19.0	0.38
1766.0380			
	114.3	23.5	0.87
3022.0870			
	105.9	14.3	0.20
2580.0200			
2581.0200	103.8	9.4	
2582.0200	99.8	14.2	
	106.5	18.9	0.38
2500.0380			
2501.0380	132.0		

Ref.	Length (mm)	Width (mm)	Thickn. (mm)
	39.5	22.2	0.30
0220.0300			
	16.9	15.0	2.00
2550.2000			
	31.0	9.0	0.60
2530.0600			
	33.3	7.8	0.30
2525.0300			

Ref.	Length (mm)	Width (mm)	Thickn. (mm)
			
			
2511.0127	107.7	18.9	0.13
2514.0127	107.5	18.9	0.13
2517.0127	107.5	18.9	0.13
			
			
2510.0200	106.6	18.9	0.20
			
			
2512.0127	107.5	18.8	0.13

LUTZ REPLACEMENT BLADES AND MACHINE KNIVES STAND OUT DUE TO THESE FEATURES

- » Highest quality materials
- » High-performance coatings
- » Best cutting edge machining (e.g. broad chamfer)
- » Blade identification / batch tracking
- » Hardness is designed to match the application




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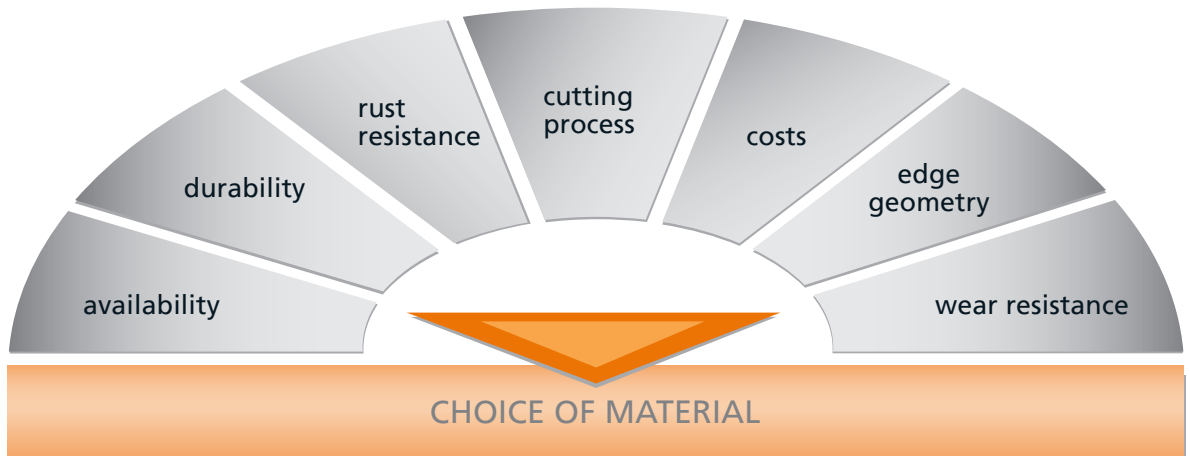
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Ref.	Length (mm)	Width (mm)	Thickn. (mm)	Ref.	Length (mm)	Width (mm)	Thickn. (mm)	Ref.	Length (mm)	Width (mm)	Thickn. (mm)
	101.8	13.9	0.40		118.0	22.2	0.15				
	516.0	25.0	0.69								
	499.0	20.0	1.00								
	445.0	22.0	0.70								
	120.0	19.0	0.88								
	126.0	50.0	0.50								

CHOICE OF MATERIAL

Our range of products covers blades of between 0.06 and 3.0 mm in thickness and with final hardness ratings of 40 - 85 HRc.



- Our range of materials includes:
- » Carbon steels
 - » Stainless and rust-resistant steels
 - » Highspeed steels (HSS)
 - » Tool steels
 - » Tungsten carbides
 - » Ceramics

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CUTTING EDGE SHAPES

For the definition of edge type and bevel configuration see the following matrix:



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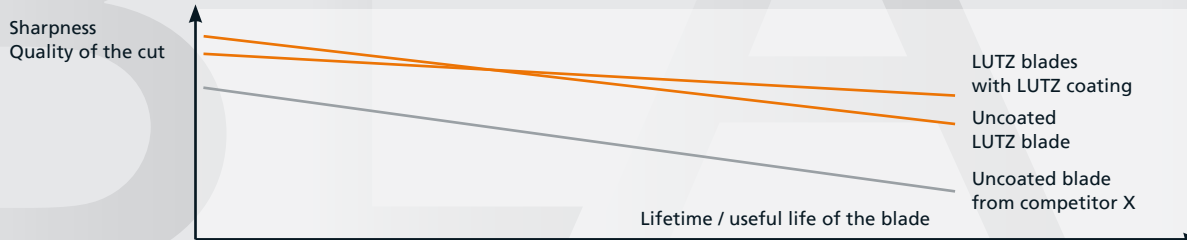
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		single edged	double edged	convex	concave
one sided					
		a	g	m	t
		b	h	n	u
		c	i	o	v
		d	j	p	w
		e	k	r	x
two sided		f	l	s	y

COATINGS



The LUTZ coatings range includes the following choices:

TiN

Standard hard coating with tough resistance to wear with a relatively high coefficient of friction (compared with steel as a reference material: 0.4 to 0.7), usually gold coloured, safe use at up to approx. 300 °C.

TiC

Has lower resistance to wear than TiN and a considerably lower coefficient of friction (compared with steel as a reference material: 0.3 to 0.5), usually charcoal grey.

TiCN

Takes a position between the high wear resistance of TiN and the low coefficient of friction of TiC, relative position between TiN and TiC depending on C and N content, usually charcoal grey.

TiAlN

Has greater resistance to oxidation than TiN with a comparable coefficient of friction, usually charcoal grey.

ZrN

With wear resistance similar to TiN, but with a more dense morphology than TiN and, as a result, more resistant to pitting under comparable load, usually steel colour.

CrN

Lower wear resistance than TiN. The advantage of CrN is it has a lower inherent tension than TiN. As a result, can be used for applications with high bending loads.

DLC

Has a high wear resistance and a low coefficient of friction (approx. 0.4 compared with steel as a reference); sensitive to impacts and high temperatures (between 100° and 300 °C depending on structure).

Teflon® (PTFE)

Non-stick coating Teflon® (PTFE), very low static friction allows a smooth cut, therefore a popular coating for medical devices. Because of the low surface tension almost no contamination from the cut goods. Acid and base-resistant, not suitable in combination with Na (sodium). Temperature resistant up to 250°C (480°F). Medium wear resistance.

Coloured lacquer

Applied to entire surface, acts as an aid to sorting different material thicknesses and as anticorrosion protection.

Bluing and blackening

Applied to entire surface, some anticorrosion protection and thickness protection, also aids differentiation.

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