









# FINEST IN CUTTING SINCE 1923



## THE RIGHT BLADE FOR EVERY APPLICATION

Keen blades have been the hallmark of Solingen's industry for centuries and it is here we made our home in 1923. As a family firm, now managed by the fourth generation, we manufacture millions of blades every year to the full satisfaction of our customers. With over 100 fully-qualified staff, we are today one of the world's leading manufacturers of blades for technical and industrial applications. Our products are in use wherever efficient cutting applications are required. Trapezoid and hooked blades for professional flooring experts, snap-off and scraper blades for painters and decorators, deburring cutters and blades for the plastics industry and special-purpose blades for processing fibers and fleece, for cutting film and numerous specialist blades for customer-specific applications form the foundations of our blade-development skills.

## **MOZART - UNCOMPROMISING** PREMIUM QUALITY

MOZART blades are crafted in sophisticated production processes and do not leave the factory until stringent quality controls have been carried out. As one of the world's leading manufacturers of blades, MOZART is committed to Germany as a high-grade production location. Cutting-edge technology and highly accurate manufacturing methods guarantee the quality standard appreciated the world over: "100% made in Solingen". To ensure this standard is maintained, MOZART has installed a certified quality management system to DIN EN ISO 9001.



## WHY MOZART?

- excellent value-for-money and consistently high quality
- ✓ 100% made in Solingen, Germany
- $\checkmark$  large standard range
- customer-specific adaptations
- support for your product development
- assistance with complex cutting challenges















$\mathbf{book\ blade}$ $\mathbf{III} #110.065$ $\mathbf{i} 51 x 18.8 x 0.63 mm$ $\mathbf{i} also available with TiN coating$	super hook blade         III #105.065         ↔ 54 x 18.8 x 0.63mm         ★ also available with TiN coating	craper blade 100 mm      ↔ 100 x 14 oder 17.4 mm      xoulable from 0.40 - 0.50 mm thickness	MOZART EVD         III #1100.00         ★ Heavy-duty utility knife with anti-slip inserts and super fast opening/closing mechanism         incl. safety holster with pivoting clip for an individual access position
concave blade         IIII #160.065         ↔ 59 x 18.8 x 0.63 mm	trapezoid blade         IMI #905.065         ↔ 53 x 18.8 x 0.53 - center hole 7.2 mm         ★ also available with TiN coating		MOZART S2 III #1002.00 ★ ccompact universal cutting knife, ind. safety holster
$\frac{1}{10000000000000000000000000000000000$	safety trapezoid blade         IMI #906.065         ↔ 53 x 18.8 x 0.63 - center hole 7.2 mm         ★ with rounded tip	styrofoam blade 18 mm      # 980.050      ↔ 109.4 x 17.9 x 0.50 mm      ★ unsegmented	Allegro # #1000.00 robust universal cutting knife, incl. holster
✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	//////// snap-off blade 9 mm III #90.040 ↔ 94.5 x 8.9 x 0.40 mm	snap-off blade 18 mm      # #180.050      ↔ 109.4 x 18 x 0.50 mm	MOZART Trimmer ■ #1600.00 ★ the easy but safe way to skive the welded seams in PVC and linoleum flooring
trimmer blade         IIII #8678.000         ★ for M0ZART Trimmer and SpeedTrimmer		snap-off blade 18 mm III #180.051 ↔ 109.4 x 18 x 0.50 mm ★ extra wide, super sharp grinding, extra hard	belt holster         III #20.062         ★ for M0ZART Trimmer #1500.00         incl. a compartment for spare blades         SpeedTrimmer         III #1610.00         ★ fost and ergonomic, the ideal tool for trimming
Spacer claw IIII #8679.000 PVC #8700.000 Linoleum ★ for M0ZART Trimmer and SpeedTrimmer	snap-off blade         IIII #93.040         ↔ 86 x 8.9 x 0.40 mm         ★ 60' snap-off lines	snap-off blade 18 mm III #90180.051 ↔ 109.4 x 18 x 0.50 mm ★ TiN coated, with extra wide, super sharp grinding, extra hard	welded seams while standing, in medium-sized and large projects telescopic handle for SpeedTrimmer # #20.050 light weight version, (no figure) #20.051 heavy duty version

# REAL PROFESSIONAL BLADES

## MOZART HANDLING SHARPNESS



to find more about our handles!







## PRECISION CUTTING







# **EVERY CUT IS AN ACCURATE CUT**



### workstation #20.031

safe, tidy storage for knife handles, incl. slots for blade dispenser and bin for used blades

ease visit our

YouTube channel

ur handles!

MOZART

to find more about

MOZART

packaging available for high-volume consumers and for points of sale



Ûn "

### precision-cut knife with Allen screw

prevents scratch damage to work pieces P2 A (2514.00) slim knife for fine cuts P1 A (2515.00) powerful, ergonomically designed knife P1 AF (2515.02) as for P1 A, but with additional thread for attaching a mandrel

protective cap for P2 A (20.032) protective cap for P1 A and P1 AF (20.038) mandrel for P1 AF (20.039)



### spare blades for precision-cut knives with Allen and knurled screw





 $\circ \square$ 

 $\bigcirc \square$ 

PB1 rounded (512.052)

blades for precision-cut knives with 2 slotted screws

PB1 long (512.063)





 $\bigcirc \bigcirc$ 





PB1 short (512.062)



### precision-cut knife with knurled screw

for fast blade changes without tools P2 T (2514.02) slim knife for fine cuts **P1 T (2515.04)** powerful, ergonomically designed knife P1 TF (2515.05) as for P1 T, but with additional thread for attaching a mandrel

protective cap for P2T (20.047) protective cap for P1 T und P1 TF (20.046) mandrel for P1 TF **(20.039)** 

### at a glance

- Micro-ventilated, non-slip handle ensures strain-free safe and accurate cutting
- Blade held by a single countersunk screw to enable rapid blade changing and firm fixation. Knurled srew version also available.
- 3 Tension-free blade fixing provides maximum protection against snapped blades
- 1 Transparent protective cap with integrated, flat-ended Allen key. In other words, you always have the right tool at hand for changing the blade
- **5** blades securly stored in safety dispenser

## i

### precision-cut handles with 2 slotted screws **P9 SS (2512.00)** for blades with 2 oblonged holes









# A N D C O N V E R T I N G





# SLITING BLADES

injector blade	↔ 38 x 8 x 0,25	mm	
★ carbon steel	★ stainless	🗙 stainless + TiN	★ stainless + DLC
#640.025	#642.025	#90642.025	#97642.025

0 0 0

industrial blad	e ↔ 60 x 22 mr	n			
thickness	🖈 carbon steel	🖈 stainless	🗙 C-Stahl + TiN	\star stainless + TiN	★ stainless + DLC
0,15 mm		#856.015		#90856.015	
0,20 mm	#856.022	#856.023	#90856.024	#90856.023	#97856.023

packaging variant A blades single wrapped in paraffin



3-hole blade ro	und corner $\leftrightarrow$	43 x 22 mm		
thickness	🖈 carbon steel	★ stainless	★ stainless + TiN	★ stainless + DLC
0,10 mm	#40.010	#42.010		
0,15 mm	#40.015	#42.015	#90042.015	
0,20 mm	#40.020	#42.020	#90042.020	#97042.020
0,25 mm	#40.025*			
0,30 mm	#40.030	#42.030	#90042.030	#97042.030
0,40 mm	#40.040			

3-hole blade sa	uare corner $\leftrightarrow d$	43 x 22 mm		
thickness	★ carbon steel	★ stainless	★ stainless + TiN	★ stainless + DLC
0,10 mm	#80.010			
0,15 mm	#80.015	#82.015	#90082.015	#97082.015
0,20 mm	#80.020	#82.020	#90082.021	#97082.020
0,25 mm	#80.025*			
0,30 mm	#80.030	#82.030	#90082.030	
0,40 mm	#80.040			

★ carbon steel	★ stainless	★ carbon steel + TiN	\star stainless + TiN	★ carbon steel + DLC	★ stainless + DLC
#881.040	#881.044	#90881.040	#90881.044	#97881.040	#97881.044
cello blade nari	r <b>ow bevel</b> ↔ 57	x 18,8 x 0,40 mm			
★ carbon steel					
#884.040					
cello blade one	sided narrow blo	<b>ide</b> ↔ 57 x 18,8 x	0,38 mm		
	★ stainless				
	#886.038				

**cello blade extra wide bevel** ↔ 57 x 18,8 x 0,40 mm

packaging variant B

per MOZART blade box

100 - 350 blades



 industrial blade	e ↔ 43 x 22 mm		
thickness	★ carbon steel	★ stainless	★ stainless + TiN
0,10 mm	#310.010	#331.010	
 0,15 mm	#310.015	#331.015	#90331.015
0,20 mm	#310.020		
			•

\*available on request

toothed blade

↔ 85 x 30 x 1,5 mm

#80945.000

## **SPECIAL BLADES**



toothed blade #80942.000 ↔ 32 x 41 x 1,6 mm



toothed blade

↔ 65 x 30 x 1,5 mm

#80944.000







### special blade

#8758.000 ↔ 30,4 x 25 x 0,50 mm



### utostrop blade

### #600.030

↔ 39 x 18,7 x 0,30 mm



### ndustrial blade

#853.020

↔ 100 x 22 x 0,20 mm



### ndustrial blade

#854.020

↔ 150 x 22 x 0,20 mm







## FIBER CUTTING







# STAPLE FIBER BLADES

staple fiber blad	le Mark V → 117,5	5 x 15,7 x 0,884 mm
★ stainless	🗙 stainless + TiN	★ stainless + TiCN
#80751.118	#92010.118	#94010.118
	★ stainless	

★ stainless

★ stainless

#80785.001

#80551.000



staple fiber blac	<b>le Mark IV</b> ↔ 74,	6 x 15,7 x 0,884 m	
★ stainless	\star stainless + TiN	★ stainless + CrN	★ stainless + TiCN
#80750.076	#92005.076	#93005.076	#94005.076



staple fiber blac	le ↔ 64 x 7,9 x 0,884 mm
★ stainless	★ stainless + TiN
#80756.000	#92021.000

staple fiber blade ↔ 76,5 x 7,9 x 0,884 mm ★ stainless + TiN

#92019.088

staple fiber blade ↔ 64,4 x 12,1 x 0,884 mm

\star stainless + TiN

#92014.063

staple fiber blade → 48 x 8 x 0,50 mm

★ carbon steel ★ stainless #80453.000 #80455.000



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staple fiber blade → 48 x 7,9 x 0,884 mm		
★ stainless	★ stainless + TiN	
#80451.001	#92017.048	

★ stainless	\star stainless + TiN	\star stainless + CrN	\star stainless + Til	
#80760.096	#92009.096	#93009.096	#94009.096	

taple fiber blade Fleissner → 140 x 18,9 x 0,884 mm ★ stainless 🗙 stainless + TiN 🔺 stainless + TiCN #80765.140 #92002.140 94002.140

MOZART fiber blades are made from high quality strip steel using a precision process. The individual model series are precisely adapted to the respective application in the chemical and fiberglass industry.

High-alloy carbon and stainless steels are used for this, with a TiN or CrN coating on request to increase the wear resistance. The tightest tolerances and a perfect cut ensure the desired cutting quality and service life.

#80783.007 ↔ 16 x 8 x 0,48 mm

staple fiber blade Neumag
#80782.000

### ↔ 32,2 x 12,1 x 0,68 mm

## GLASS AND CARBON **FIBER BLADES**

glass fiber blade → 15,8 x 0,87 mm	<u></u>	
↔ length 195 mm 🛛 🗰 #80758.195		
↔ length 248 mm 🛛 🗰 #80758.248	\	
★ grinding: 2 sided, double bevel		
glass fiber blade → 81 x 15,8 x 0,884 mm		
#80755.081		
🚖 grinding: 1 sided, single bevel		
carbon fiber blade $\leftrightarrow$ 304 x 18,8 x 0,63 mm		
#80699.304		
★ grinding: 1 sided, double bevel		
glass fiber blade ↔ 168 x 15,8 x 0,88 mm		
#80755.168		
★ grinding: 1 sided, single bevel		
glass fiber blade ↔ 178 x 15,8 x 0,87 mm		
#80755.177		
★ grinding: 1 sided, single bevel		
glass fiber blade → 155 x 15,8 x 0,884 mm		
#80754.155		
★ grinding: 2 sided, double bevel		
glass fiber blade → 135 x 8 x 0,30 mm		
- ###80686.000		<u> </u>
🖈 grinding: 2 sided, double bevel		
0	0 0	
	fiber blade	glass fiber l
III #80235.001 III #802		#640.025
↔ 22,3 x 8 x 0,25 mm ↔ 25,4	x 8 x 0,25 mm	↔ 38 x 8 x 0,2

**Further blades styles** on request

# REAL PROFESSIONAL BLADES



# INDIVIDUAL BLADE SOLUTIONS

In addition to its extensive standard program, MOZART also offers the right solution for your special cutting problem. Which cutting requirement can we help you with? We would be pleased to provide you with an offer for your custom-made blade.



PROTOTYPES From 1 piece



LARGE BATCH PRODUCTION From approximately 20,000 pieces (depending on blade size)

MAXIMUM THICKNESS 1 mm

### MATERIAL

Particularly high-alloy carbon Steel and stainless steel

### COATING

TIN

Titanium nitride (TiN) Titanium aluminum nitride (AlTiN) Chromium nitride (CrN) Titanium carbonitride (TiCN) Amorphous carbon (DLC)



### GEOMETRY

One sided, single beveled One sided, double beveled Two sided, single beveled Two sided, double beveled



Contact - your enquiry Please send us a sketch, drawing or description of your individual blade, we will answer your request as quickly as possible.

10. \$3,50







# FROM HIGH-GRADE STEEL TO THE PERFECT BLADE.

### THE RECIPE FOR PERFECT BLADES

### Highest-quality steel for the perfect MOZART blade.

At MOZART, we only process hand-picked strip steel sourced from certified suppliers. Every batch delivered is subjected to stringent quality checks in our laboratory before it is allowed to be used in production. Only steels that comply fully with our ambitious quality standards in terms of surface, edge quality, carbide density and carbide distribution are passed by our quality control experts and released for blade production.

## **FIRE AND ICE**

### **MOZART** ice-hardening

After blanking, our strip steel is hardened to the required degree in a three-stage process. The steel is heated in sensor-controlled straight-through furnaces in a hydrogen atmosphere. This is followed by the ice-hardening stage, at – 80°C, and this is followed by a brief annealing stage to remove stresses. This high-precision process enables us to achieve the ideal mix of hardness and toughness, and very close tolerances of +/- 1 HRC are standard in our production processes.











### Blanking

### Hardening

- Continuous process monitoring of hardness and warping



### Grinding

- > Strip grinding: straight grind along the upper edge.

Snap-off / separating





### Molecular structure and cutting analysis

- > Constant quality control in all production steps
- > Microstructure and cutting analyses guarantee our consistent 100% final inspection for perfect blades

### Packaging

- > Robust packaging for optimum blade protection
- > Packaging solutions for POS
- > Coding for reliable traceability of the batches

> Blanking the outline conture, punching rated breakpoints and text markings

> Process: Hardening – Quenching – Deep freezing – Tempering – Quenching > Repeated inspections of molecular structure in metallurgy laboratory > If necessary, additional surface treatments after hardening (lacquer, etching, polishing)

> Hook grinding: plunge grinding for concave and convex shapes > 3-Hole Blades grinding: grinding on both sides of the already separated blades

> The precise notching of the rated breakpoint is decisive for the snap-off process > Most of the blade types are separated after grinding

> Clear and unambiguous labelling of all packaging stages





# GRINDING TO THE **CLOSEST TOLERANCES.**

### We know what customers want.

Does your cutting application benefit from a very specific grinding geometry? Whether one-sided or two-sided, single or double cutting edges, concave or roof-shaped – by making full use of our state-of-the-art grinding equipment, some of which is laser controlled, we are able to put virtually any customerspecific requirement into practice.





### **MOZART COATINGS** - FOR THAT EXTRA BOOST TO PRODUCT LIFETIME IN YOUR PRODUCTION PROCESS.

a: Honed width b: Honing angle c: Ground width d: Grinding angle

e: Blade width

a: Blade lenath

### The right coating for every application.

- TIN the most popular hard coating in the blade-making industry: provides high abrasive resistance and two to four-fold service lifetime extensions
- AlTIN Higher hardness and application temperature than TiN
- **CrN** the considerably reduced inherent stress in comparison with TiN coatings makes CrN an interesting alternative in cutting applications involving higher bending loads
- TICN an excellent compromise between high abrasive resistance and low coefficient of friction
- DLC Outstanding abrasive resistance coupled with low coefficient of friction. As a result of its very high hardness, DLC coatings are highly susceptible to localised pressure loads

## **CERTIFICATIONS**

### Mozart...

- ... has a certified quality management system in accordance with DIN EN ISO 9001
- ... has joined the Code of Conduct of the German Association of Materials Management, Purchasing and Logistics (BME), which is committed to protecting human and labour
- rights and fighting corruption, among other things, in the procurement process
- ... provides comprehensive information on the IntegrityNext **platform** on the fulfilment of of environmental, social and corporate governance standards (ESG compliance)



### Mozart...

- ... is committed to the goal of protecting the environment, our resources and the climate
- ... generates a large proportion of its electricity requirements with the company's own photovoltaic system
- ... reduces and replaces harmful chemicals in the production process through continuous innovation
- production process
- ... has switched its packaging to cardboard as a climate-friendly and renewable material as far as possible
- ... reduces the emission of CO2 and air pollutants as well as the consumption of primary energy through the recyclability of its packaging and participation in the "Duales System" waste management system







## **ENVIRONMENT**

... consistently recycles valuable materials from the







# PACKAGING SOLUTIONS

### **BLADE PACKAGING**





ngle blade in paraffin paper

0-piece dispenser



POS THE TRADES



POS PRECICION CUTTING Bulk packaging available

### **THE TRADES**

	X	10-piece dispenser in hanging box
10-piece dispenser	$] \rightarrow$	100-piece hanging bo
		100-piece cover box
PRECICION CI	JTTI	NG
10-piece dispenser	$] \rightarrow$	10-piece dispenser on blister card
		100-piece dispense
<b>3-HOLE BLAD</b>	ES	
10-piece blade dispenser	$] \rightarrow$	100-piece hanging bo
single blade in paraffin paper	$] \rightarrow$	200-piece cover bo
blade box	$] \rightarrow$	master box
FIBER BLADE	S	



\*minimum order quantity





ade box

10-piece hanging box



100-piece dispenser

100-piece hanging box



100-piece cover box

1000-piece master box



200-piece cover box







blade thickness	filling quantitiy blade box	filling quantitiy mapcs.er box
0,10 mm	350 pcs.	1750 pcs.
0,15 mm	250 pcs.	1250 pcs.
0,20 mm	175 pcs.	875 pcs.
0,25 mm	150 pcs.	750 pcs.
0,30 mm	125 pcs.	625 pcs.
0,40 mm	100 pcs.	500 pcs.







LET`S Stay in **Contact** 



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