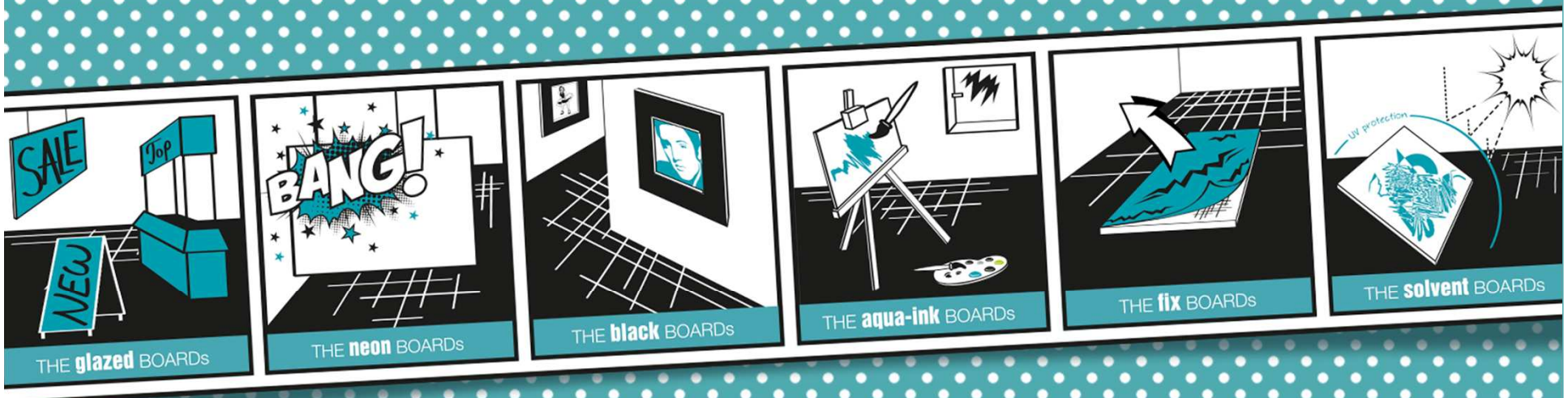
VINK PLAST

KATZ DISPLAY BOARD

the eco solution



KATZ DISPLAY BOARD
the eco solution

Rev. 13/11-2023

HOW TO STORE AND PROCESS...

KATZ DISPLAY BOARD is a natural product. To reduce climatically caused paper problems or deviations to the properties of KATZ DISPLAY BOARD, we recommend the following:

STORAGE

Please store originally packed KATZ DISPLAY BOARD in air conditioned room.

BEFORE PROCESSING

It is recommended that originally packed KATZ DISPLAY BOARD is stored in the production hall 48 hours before use

Undercooled or overheated stacks should then be opened shortly before production

Ideal storage conditions:

Relative Humidity:
50% - 55%

Temperature:
18°C – 20°C (64°F – 68°F)

no direct sun or heat

Ideal room conditions:

Relative Humidity:
45% - 55%

Temperature:
20°C – 22°C (64°F – 68°F)

VINK PLAST

HOW TO HANG...

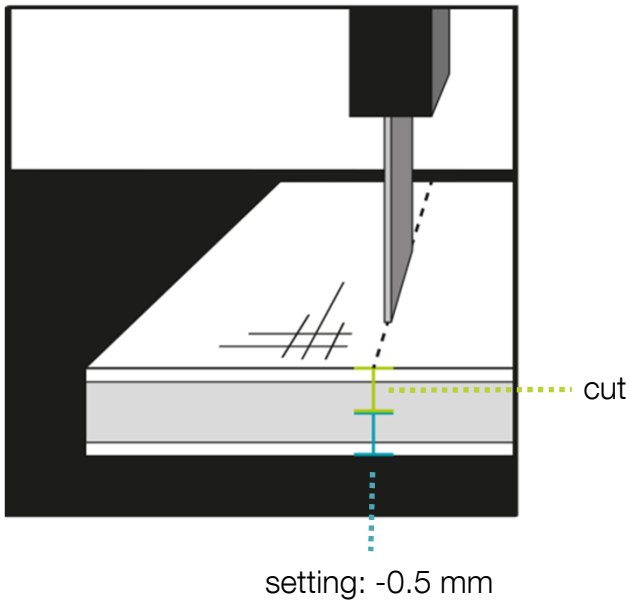
Never hang sign with the hangers or cable slanted inward. This causes the board to curl.

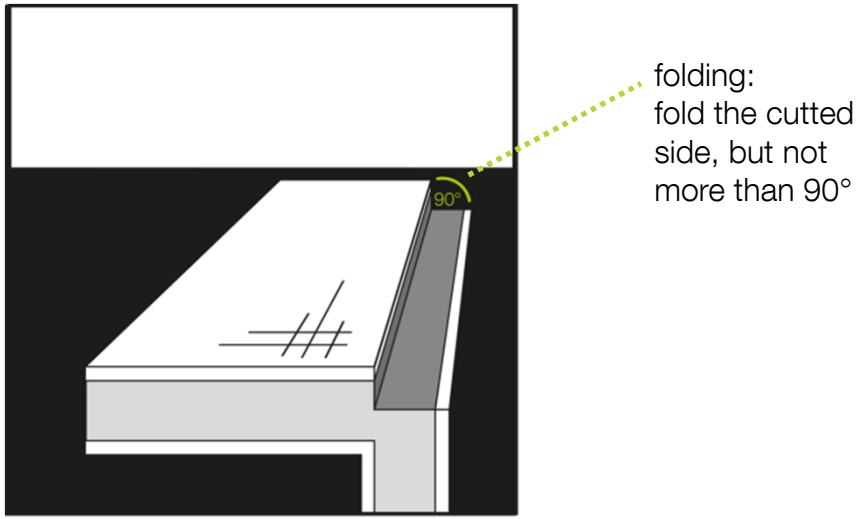
Hangers or cables must be slanted outwards for proper hanging.

Other external influences like strong heat or cold might effect the board´s flatness.

HOW TO FOLD...

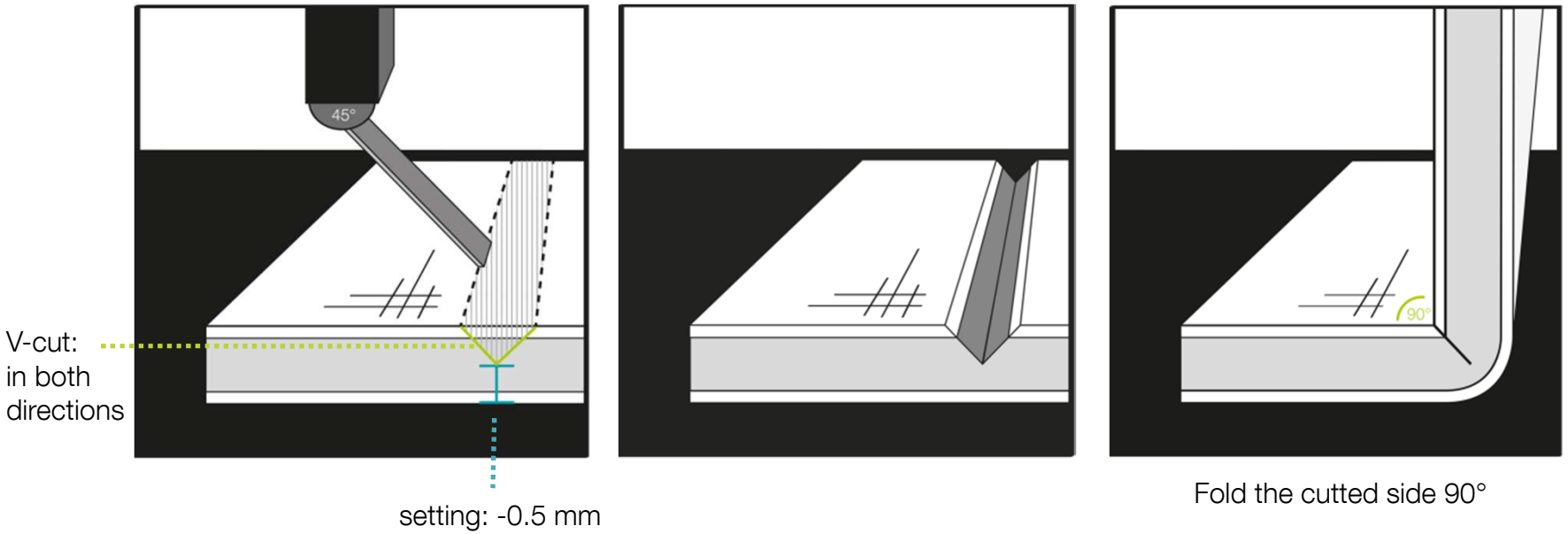
1. Half through cut: We achieved the best results with static and oscillating knives.





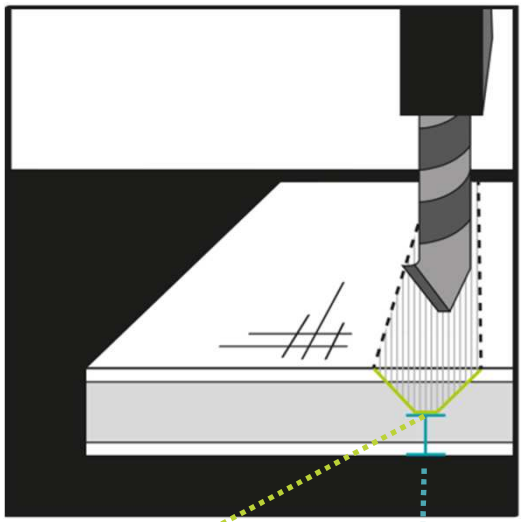
HOW TO FOLD...

2. V-cut: If you want to fold it with covered edges you can use a V-cut.



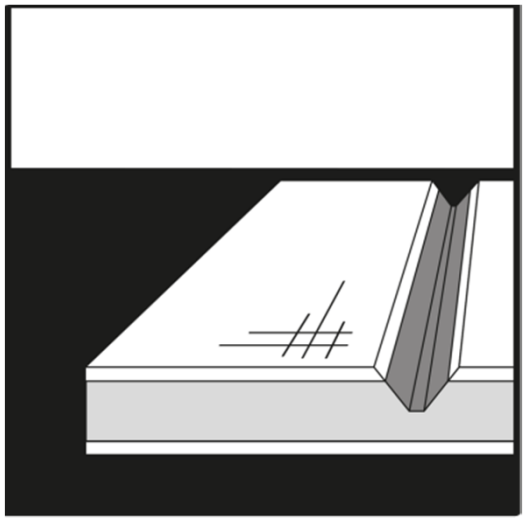
HOW TO FOLD...

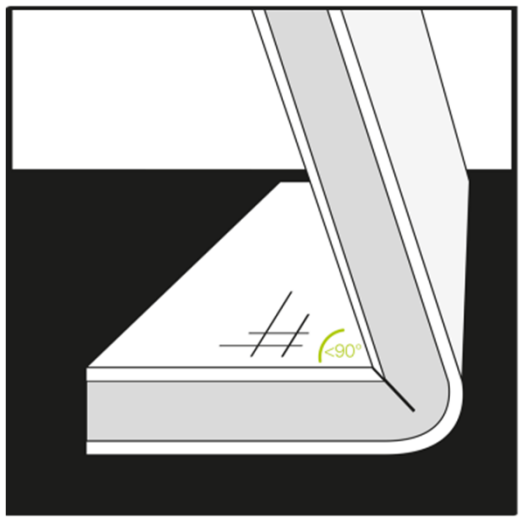
3. V-cut with gap: If you want to fold it with covered edges with more than 90° you can use this cut. For this cut you need a router.



setting: -0.5 mm

cut:
it is important to have
a horizontal cut here
to avoid tension of
the liner

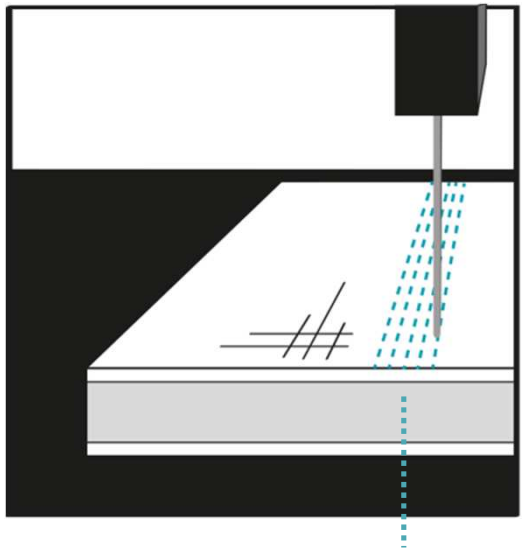




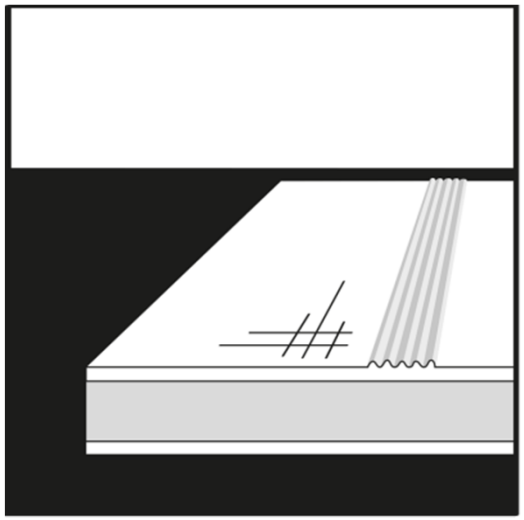
Fold the cutted side more than 90°

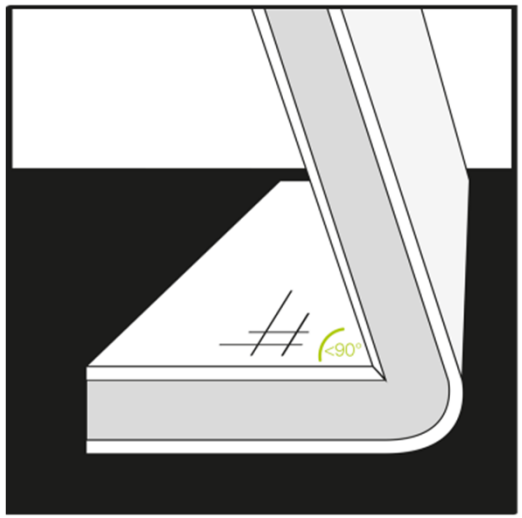
HOW TO FOLD...

4. Creasing: If you have a creasing facility you can use 1.2mm KATZ DISPLAY BOARD to fold it. The best creasing results we achieved with at least 5 creasing lines. Between the lines we leave a 0.5mm distance.



setting: 5 kg; 84,4



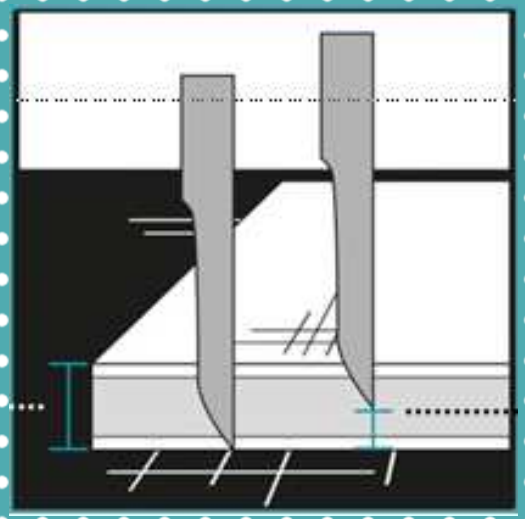


Fold the cutted side more than 90°

HOW TO CUT...

We achieved the best results with a static knife, an oscillating knife and with die cutting.

To cut KATZ DISPLAY BOARD only half through, the cutting knife must be set on -0.5 mm from the bottom of the board.



Through cut

half through cut

All values are based on our experience and may differ from machine to machine.

CUTTING RECOMMENDATION Zünd-machine

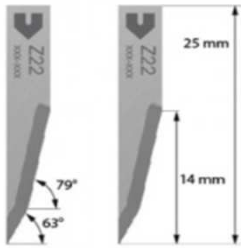
EOT: Electric Oscillating Tool – EOT 1.0

TOOL

The EOT is ideally suited for cutting materials like KATZ DISPLAY BOARD. The high oscillating frequency makes it possible to cut at high processing speeds especially for fine, precise contours.

- Knife stroke: 1 mm
- Electric drive
- No cooling.
- Compatible with G3, S3, L3

BLADE



Fine, robust blade with low overcut; designed to cut small radii and intricate detail.

- Z22

UNDERLAY

Uncoated MDF (Medium-Density Fiber-board): It's a fiberboard, which has a hard surface but doesn't affect the vacuum of the cutting machine.

- Thickness: 3mm
- Strong underlay that doesn't support vibration of the cutting substrate
- Cheap and solid underlay as an alternative to the basic grey cutting felt (PLP)

KATZ DISPLAY BOARD Thickness	Blade type	Blade length	Speed mm/sec										Underlay	Acceleration	Cutting quality
			80	100	120	140	160	180	200	220	240	260			
1.2mm	Z 22	15.63 mm	X	X	X	X	X	X	X	X	X	X	MDF*- board	3	High
1.6mm	Z 22	15.63 mm	X	X	X	X	X	X	X	X			MDF*- board	3	High
2.0mm	Z 22	15.63 mm	X	X	X	X	X	X	X	X			MDF*- board	3	High
3.0mm	Z 22	15.63 mm	X	X	X	X	X	X	X				MDF*- board	3	High
5.0mm	Z 22	15.63 mm	X	X	X	X	X	X	X				MDF*- board	3	High

Half Through cut/Scoring: minus 0.5 mm board are left measured from the bottom.

All values are based on our experience and may differ from machine to machine.

*Medium-Density Fiberboard

CUTTING RECOMMENDATION Zünd-machine

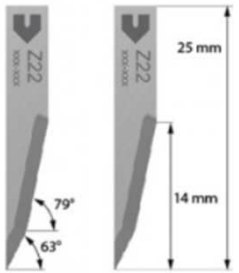
POT: Pneumatic Oscillating Tool - POT

TOOL

The POT is an air-driven powerful and durable tool particularly well suited for cutting thicker KATZ DISPLAY BOARD (>3mm). Suitable especially for fine, precise contours.

- Knife stroke: 8 mm
- Robust, maintenance-free pneumatic drive
- No cooling
- Compatible with G3, S3, L3.

BLADE



Fine, robust blade with low overcut; designed to cut small radii and intricate detail.

- Z22
- alternatively Z 28 (blade is longer, therefore risk of breaking is higher)

UNDERLAY

ZÜND basic grey cutting felt (PLP).

- PLP for G3 series
- 3mm thickness

KATZ DISPLAY BOARD Thickness	Blade type	Blade length	Speed mm/sec										Underlay	Acceleration	Cutting quality
			80	150	250	350									
1.2mm	Z 22	15.63 mm	X	X									Felt	3	High
1.6mm	Z 22	15.63 mm	X	X									Felt	3	High
2.0mm	Z 22	15.63 mm	X	X									Felt	3	High
3.0mm	Z 22	15.63 mm	X	X									Felt	3	High
5.0mm	Z 22	15.63 mm	X	X									Felt	3	High

All values are based on our experience and may differ from machine to machine.

CUTTING RECOMMENDATION Zünd-machine

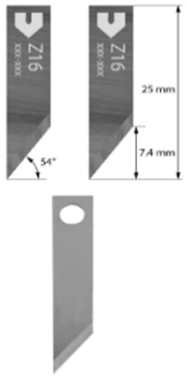
UCT: Universal Cutting Tool - UCT

TOOL

The UCT it's perfect for thinner through-cutting and half-through-cutting materials like KATZ DISPLAY BOARD 1.2mm & 1.6mm. The use of drag knives allows for maximum processing speeds.

· Very high cutting speeds
· Compatible with G3, S3, L3.

BLADE



Flat-stock drag blade, designed for rather thin KATZ DISPLAY BOARDS. It allows fast speed.

· Z16 and Typ 6
· Flat-stock drag blade

UNDERLAY

ZÜND basic grey cutting felt (PLP).

· PLP for G3 series
· 3mm thickness

KATZ DISPLAY BOARD Thickness	Blade type	Blade length	Speed mm/sec										Underlay	Acceleration	Cutting quality
			80	150	250	350	450	550	650	750					
1.2mm	Typ 6 / Z 16	8.07 mm	X	X	X	X	X	X	X	X			Felt	3	High
1.6mm	Typ 6 / Z 16	8.07 mm	X	X	X	X	X	X	X	X			Felt	3	High
2.0mm	Typ 6 / Z 16	8.07 mm	X	X	X	X							Felt	3	High
3.0mm	Typ 6 / Z 16	8.07 mm	X	X	X	X							Felt	3	High
5.0mm	Typ 6 / Z 16	8.07 mm	X	X	X	X							Felt	3	High

Half Through cut/ Scoring: minus 0.5 mm board are left measured from the bottom

All values are based on our experience and may differ from machine to machine.

CUTTING RECOMMENDATION Zünd-machine

CTT2: Creasing Tool Type 2 - CTT2

TOOL

The CTT2 is a universally applicable crease tool. The CTT2 is very good for processing KATZ DISPLAY BOARD 1.2mm or 1.6mm. It produces high-quality creases for folding KATZ DISPLAY BOARD.

- High quality clean creases
- Makes KATZ DISPLAY BOARDS foldable without cracking
- Directional pressure adjustments (with/against corrugation)
- Compatible with G3, S3

CREASE WHEEL

Crease wheel C202 with support 3910604.

- Creasing width: 4-point
- Creasing wheel diameter: 24mm
- Width: 1.5mm
- Depth 1.5mm

UNDERLAY

ZÜND basic grey cutting felt (PLP).

- PLP for G3 series
- 3mm thickness

KATZ DISPLAY BOARD Thickness	Creasing Tool	Pressure	Amount of Creasing lines							Speed	Underlay	Acceleration	Cutting quality
			1	2	3	4	5	6	7				
1.2mm	1.5/1.5	5 - 8 Kg	X	X	X	X	X	X	X	1000	Felt	4	Normal
1.6mm	1.5/1.5	5 - 8 Kg	X	X	X	X	X	X	X	1000	Felt	4	Normal
2.0mm	to be tested												
3.0mm	not recommended												
5.0mm	not recommended												

Best results: 0.5mm space between each creasing line.

All values are based on our experience and may differ from machine to machine.

CUTTING RECOMMENDATION Zünd-machine

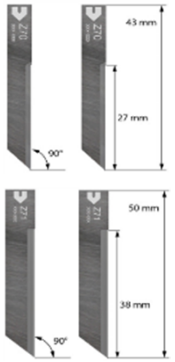
VCT: V- CUT TOOL - VCT

TOOL

The perfect tool for pro-ducing complex struc-tural designs from KATZ DISPLAY BOARD. This tool is designed for quick tool changes and easy, precise setting of the var-ious cutting angles. The tool can be set for cut-ting at 5 different angles (0°, 15°, 22.5°, 30°, 45°).

- Simple, precise angle settings
- Cuts at 5 different angles (0°, 15°, 22.5°, 30°, 45°)
- Quick blade changes
- Compatible with G3, S3

BLADE



Z 70 and Z 71: Stable, long-life carbide blade for V-Cut KATZ DISPLAY BOARDS with very fast processing speeds.

- Z 70
- Blade for 45° V-Cut
- Z 71
- Knife material: HM/Carbide

UNDERLAY

ZÜND basic grey cutting felt (PLP).

- PLP for G3 series
- 3mm thickness

KATZ DISPLAY BOARD Thickness	Blade type	Blade length	Speed mm/sec										Underlay	Acceleration	Cutting quality
			500	800											
1.2mm	Z 70/71	27/38 mm	X	X									Felt	3-4	normal
1.6mm	Z 70/71	27/38 mm	X	X									Felt	3-4	normal
2.0mm	Z 70/71	27/38 mm	X	X									Felt	3-4	normal
3.0mm	Z 70/71	27/38 mm	X	X									Felt	3-4	normal
5.0mm	Z 70/71	27/38 mm	X	X									Felt	3-4	normal

All values are based on our experience and may differ from machine to machine.

CUTTING RECOMMENDATION bullmer-machine

EOK: Electric Oscillating Tool - EOK

TOOL

Bullmer EOK is especially suitable for 3.0mm and 5.0mm KATZ DISPLAY BOARDS.

· Compatible Bullmer premiumcut elc

BLADE

Oscillating knife for cutting fine structures.

· RS 10

UNDERLAY

Grey bullmer standard cutting felt in 4 mm thickness for optimum cutting quality with bullmer digital cutting machines.

· Thickness: 4.0 mm

KATZ DISPLAY BOARD Thickness	Blade type	Blade length	Speed m/min				Underlay	Acceleration (g)
			20	30	50	60		
1.2mm	RS 10	15 mm				X	Felt: 4 mm	1.8
1.6mm	RS 10	15 mm				X	Felt: 4 mm	1.7
2.0mm	RS 10	15 mm			X		Felt: 4 mm	1.5
3.0mm	RS 10	15 mm		X			Felt: 4 mm	1.5
5.0mm	RS 10	15 mm	X				Felt: 4 mm	1.5

All values are based on our experience and may differ from machine to machine.

CUTTING RECOMMENDATION bullmer-machine

DK: Static Knife Tool - DK

TOOL

Bullmer DK is especially suitable for KATZ DISPLAY BOARDS in the thicknesses 1.2mm; 1.6mm; 2.0mm and 3.0mm. It allows very fast cutting speeds with the static knife.

· Compatible Bullmer premiumcut elc

BLADE

Static knife, for rather thin KATZ DISPLAY BOARDS.
It allows fast speed.

· B 16
· Knife length in total 25mm

UNDERLAY

Grey bullmer standard cutting felt in 4 mm thickness for optimum cutting quality with bullmer digital cutting machines.

· Thickness: 4.0 mm

KATZ DISPLAY BOARD Thickness	Blade type	Blade length	Speed m/min				Underlay	Acceleration (g)
			50	80	90	100		
1.2mm	B 16	7,4 mm*				X	Felt: 4 mm	1.6
1.6mm	B 16	7,4 mm*			X		Felt: 4 mm	1.6
2.0mm	B 16	7,4 mm*		X			Felt: 4 mm	1.6
3.0mm	B 16	7,4 mm*	X				Felt: 4 mm	1.6
5.0mm	B 16	not recommended						

* value corresponds to cutting depth

All values are based on our experience and may differ from machine to machine.

CUTTING RECOMMENDATION bullmer-machine

RRA: Creasing Tool - RRA

TOOL

The RRA is very good for processing KATZ DISPLAY BOARD 1.2mm, 1.6mm and even 2.0mm. It produces high-quality creases for folding KATZ DISPLAY BOARD

- Compatible Bullmer premiumcut elc
- Makes KATZ DISPLAY BOARDS foldable without cracking

CREASING WHEEL

Recommended use: For solid board and paper based board.

- Creasing wheel 2415

UNDERLAY

Grey bullmer standard cutting felt in 4 mm thickness for optimum cutting quality with bullmer digital cutting machines.

- Thickness: 4.0 mm

KATZ DISPLAY BOARD Thickness	Creasing Tool	Pressure	Speed m/min				Underlay	Acceleration (g)
			60					
1.2mm	2415	n.a.	X				Felt: 4 mm	1.6
1.6mm	2415	n.a.	X				Felt: 4 mm	1.6
2.0mm	2415	n.a.	X				Felt: 4 mm	1.6
3.0mm	2415	not recommended						
5.0mm	2415	not recommended						

All values are based on our experience and may differ from machine to machine.

CUTTING RECOMMENDATION bullmer-machine

DKV: V- CUT TOOL - DKV

TOOL

This tool is used for producing KATZ DISPLAY BOARD with V-cut. V-cut allows folding of different board thicknesses.

- Compatible Bullmer premiumcut elc
- Cuts at 6 different angles (0°, 15°, 22.5°, 30°, 45°, 60°)

BLADE

Stable v-cut knife, suitable to cut all 6 angles from 0° up to 60°

- B 71
- Knife length in total 50mm

UNDERLAY

Grey bullmer standard cutting felt in 4 mm thickness for optimum cutting quality with bullmer digital cutting machines.

- Thickness: 4.0 mm

KATZ DISPLAY BOARD Thickness	Blade type	Blade length	Speed m/min				Underlay	Acceleration (g)
			40	50	60			
1.2mm	B 71	11.8 mm*			X		Felt: 4 mm	1.5
1.6mm	B 71	11.8 mm*			X		Felt: 4 mm	1.5
2.0mm	B 71	11.8 mm*		X			Felt: 4 mm	1.5
3.0mm	B 71	11.8 mm*	X				Felt: 4 mm	1.5
5.0mm	B 71	11.8 mm*	X				Felt: 4 mm	1.5

* value corresponds to cutting depth

All values are based on our experience and may differ from machine to machine.

CUTTING RECOMMENDATION ESKO Kongsberg XP/C

EOK: Electric Oscillating Tool - EOK

TOOL

We recommend oscillating cutting, especially for 3.0mm and 5.0mm KATZ DISPLAY BOARDS with the HF VibraCut Knife.

· Compatible with Kongsberg XP / C

BLADE

Oscillating knife for cutting fine structures.

· BLD-SR6224

UNDERLAY

Grey standard cutting felt in 3.0 mm thickness for optimum cutting quality with Kongberg cutting machines.

· Thickness: 3.0 mm

KATZ DISPLAY BOARD Thickness	Blade type	Blade length	Speed m/min				Underlay	Acceleration (g)
			20	30	50	60		
1.2mm	BLD-SR6224	12 mm		x	x		Felt: 3 mm	50
1.6mm	BLD-SR6224	12 mm		x	x		Felt: 3 mm	50
2.0mm	BLD-SR6224	12 mm		x	x		Felt: 3 mm	50
3.0mm							Felt: 3 mm	50
5.0mm							Felt: 3 mm	50

All values are based on our experience and may differ from machine to machine.

CUTTING RECOMMENDATION ESKO Kongsberg XP/C

DK: Static Knife Tool - DK

TOOL

For the normal trough cut in the KATZ material you get best result with the Rigid Material Knife and blade BLD-SR8184. It allows very fast cutting speeds with the static knife. The knife blades and tool are designed such as the blades with cylindrical 8mm shaft are mounted directly in the tool body.

· Compatible with Kongsberg XP/C

BLADE

This blade has a rounded cutting side, which performs best in high recycled materials. An other option would be the High Frequency Vibracut Knife.

· BLD-SR8184
· Long life tungsten carbide
· Nominal lag value is 4mm
· Z-axis Depth:
X: 0.200 mm Y: 0.200 mm

UNDERLAY

Grey standard cutting felt in 3.0 mm thickness for optimum cutting quality with Kongberg cutting machines.

· Thickness: 3.0 mm

KATZ DISPLAY BOARD Thickness	Blade type	Blade length	Speed m/min				Underlay	Acceleration (g)
			50	80	90	100		
1.2mm	BLD-SR8184	5 mm*	X				Felt: 3 mm	100
1.6mm	BLD-SR8185	5 mm*	X				Felt: 3 mm	100
2.0mm	BLD-SR8186	5 mm*	X				Felt: 3 mm	100
3.0mm	BLD-SR8187	5 mm*	X				Felt: 3 mm	100
5.0mm	BLD-SR8188	not recommended						

* value corresponds to cutting depth

All values are based on our experience and may differ from machine to machine.

CUTTING RECOMMENDATION ESKO Kongsberg XP/C

RRA: Creasing Tool - RRA

TOOL

Crease adapter: for Ø26mm wheels, 3 point, 4 point , 6 point

- Compatible with Kongsberg XP/C
- Makes KATZ DISPLAY BOARDS foldable without cracking
- Setting: "HD Crease 2013

CREASING WHEEL

Recommended for solid board like KATZ DISPLAY BOARD and corrugated board. It offers excellent crease quality and enables creasing boards with high recycle content without breaking the liner.

- 4-6 point, 150mm [6"] diameter.
- 50 kg [110lb.] of downpressure
- Z-axis Depth: X: -0.500mm Y: -0.500mm

UNDERLAY

Grey standard cutting felt in 3.0 mm thickness for optimum cutting quality with Kongberg cutting machines.

- Thickness: 3.0 mm

KATZ DISPLAY BOARD Thickness	Creasing Tool	Pressure	Speed m/min				Underlay	Acceleration (g)
			50					
1.2mm	Crease adapter	n.a.	X				Felt: 3 mm	100
1.6mm	Crease adapter	n.a.	X				Felt: 3 mm	100
2.0mm	Crease adapter	n.a.	X				Felt: 3 mm	100
3.0mm	Crease adapter	not recommended						
5.0mm	Crease adapter	not recommended						

All values are based on our experience and may differ from machine to machine.

CUTTING RECOMMENDATION ESKO Kongsberg XP/C

DKV: V- CUT TOOL - DKV

TOOL

This tool is used for producing KATZ DISPLAY BOARD with V-cut. V-cut allows folding of different board thicknesses.

- Compatible with Kongstar XP/C
- HD Unit
- Maximum cutting depth is 15mm
- Limited to straight lines only

BLADE

Stable v-cut knife.

- BLD-TZ511
- Total length 17 mm

UNDERLAY

Grey standard cutting felt in 3.0 mm thickness for optimum cutting quality with Kongberg cutting machines.

- Thickness: 3.0 mm

KATZ DISPLAY BOARD Thickness	Blade type	Blade length	Speed m/min				Underlay	Acceleration (g)
			40	50	80			
1.2mm	BLD-TZ511	approx.15 mm*			x		Felt: 3 mm	100
1.6mm	BLD-TZ511	approx.15 mm*			x		Felt: 3 mm	100
2.0mm	BLD-TZ511	approx.15 mm*			x		Felt: 3 mm	100
3.0mm	BLD-TZ511	approx.15 mm*			x		Felt: 3 mm	100
5.0mm	BLD-TZ511	approx.15 mm*			x		Felt: 3 mm	100

* value corresponds to cutting depth

All values are based on our experience and may differ from machine to machine.

VINK PLAST

IF YOU NEED FURTHER INFORMATION, PLEASE CONTACT US:

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