

Tooling guide for **Kongsberg C** cutting tables



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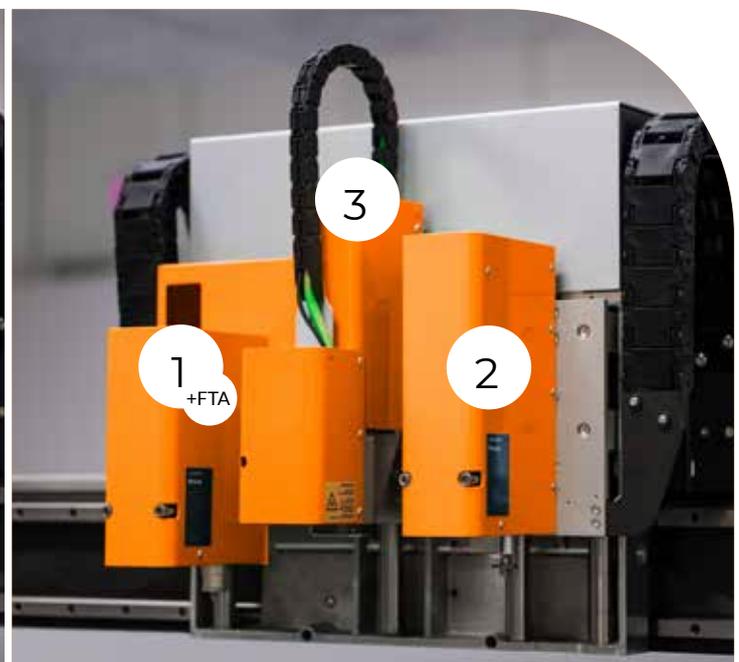
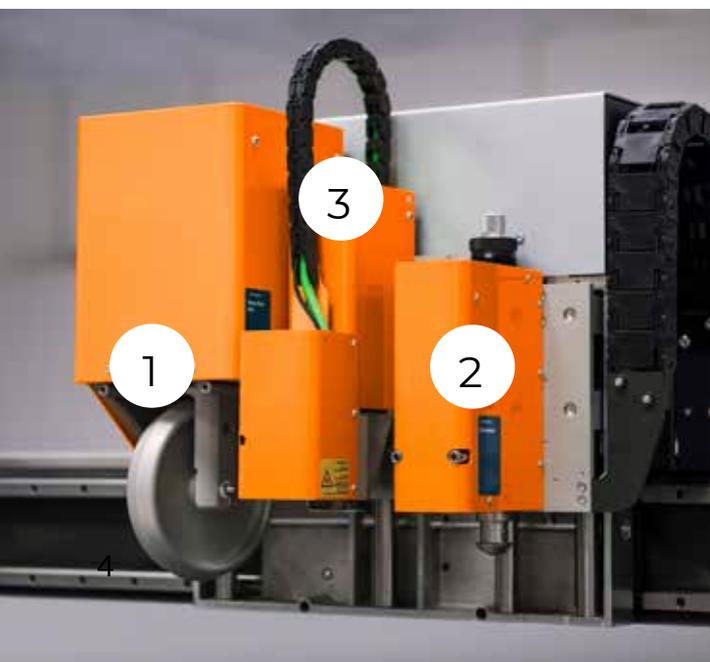
THE KONGSBERG C TOOLING SYSTEM

The Kongsberg C tooling system consists of a wide variety of optional tool units. These can be quickly mounted in the tool position.

There are three tool positions available, so you can use up to three tools on the same job.

1. Heavy-duty (HD) Tool Position for heavy-duty tools that are optimized for power
2. Fast Tool Position for knife tools optimized for speed
3. Insert Position (optional) accommodates inserts for either pen plotting or drilling of holes

Tool position	1	1+FTA	2	3
Heavy-Duty Tool Unit	<input checked="" type="checkbox"/>			
Dual Heavy Duty Tool Unit	<input checked="" type="checkbox"/>			
VariAngle Unit	<input checked="" type="checkbox"/>			
High-Power Milling Unit	<input checked="" type="checkbox"/>			
Foam Cutting Unit	<input checked="" type="checkbox"/>			
Fast Tool Adapter (FTA)	<input checked="" type="checkbox"/>			
High-frequency VibraCut Tool	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
CorruSpeed Tool		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
VibraCut Tool		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Hi-Force Knife Tool		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
RM Knife Tool		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Psaligraphy Tool		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
RotaCut Tool		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
PressCut Tool			<input checked="" type="checkbox"/>	
Braille Tool			<input checked="" type="checkbox"/>	
Drill Tool Insert				<input checked="" type="checkbox"/>
Ballpoint Pen Insert				<input checked="" type="checkbox"/>
FiberTip Tool				<input checked="" type="checkbox"/>



FAST TOOL ADAPTER

Sales code: 97AR5857

What is it used for?

The Fast Tool Adapter allows you to install a second fast tool on the Heavy-Duty tool position.

The Fast Tool Adapter comes in handy for jobs that need two different knife tools. Typical use cases will be trough-cutting and kiss-cutting of adhesive vinyl. The PressCut tool can be used for kiss-cutting and the RM Knife tool is perfect for trough-cutting.

Another use case could be the cutting of textile or canvas. The RM Knife can be used for the bigger part of the job well inside the sheet; the RotaCut tool can cut close to the edges preventing material buckling.

This kind of setup speeds up the production and delivers impeccable quality.

Please Note

The Fast Tool Adapter can be installed on all Kongsberg XP and Kongsberg C tables (except on the Kongsberg XP Auto).

- › The High-frequency VibraCut Knife Tool can't be used on the Fast tool Adapter (This tool can be used directly on the HD tool position)
- › The PressCut tool can't be used on the Fast Tool Adapter, it needs to be installed in the 3rd tool position

Software requirements

iPC version 2.2.1 or newer.



HEAVY-DUTY TOOL UNIT

Sales code: 97AR5456

What is it used for?

The Heavy Duty Tool Unit offers the possibility to crease, V-notch and cut straight lines at high speeds with a variety of adapters. This ensures superior performance with heavy duty material such as double wall, triple wall and recycled board, plus the newest environmental boards.

It features 150 mm - 6" diameter crease wheels with a scoring pressure equivalent to 50 kg - 110 lbs; sufficient to crease triple and double-wall corrugated with heavy liners.

The large-size wheels also provide superior crease quality on recycled corrugated board, especially because a higher pressure can be applied without cracking the liner.

The HDU can offer V-notch cutting, with mitered corners and extremely precise folds for loading pallets, and container cushioning pieces, and paper core board displays.

Materials

All sorts of corrugated boards up to triple wall and including high recycled content, fluted core board, honeycomb, corrugated plastic, foam board.

Benefits

- › 50 kg -110 lbs down force
- › Powerful head rotation
- › Large variation of V-notch tools (angles)
- › HD knife tools

Included

HDU-C (Heavy-Duty Unit) tool package, including.

- › Heavy duty tool unit
- › Crease wheel, Ø150 4-point
- › Crease wheel, Ø150 6-point
- › Crease wheel, U-shape Ø150
- › Adapter for 26 mm diameter wheels (w/o crease wheels)
- › 2p / 26 mm crease wheel
- › 3p / 26 mm crease wheel
- › 6p / 26 mm crease wheel



DUAL HEAVY-DUTY TOOL UNIT

Sales code: 97AR5876

What is it used for?

The Dual Heavy-Duty Tool Unit offers the possibility to crease, perforate, cut V-notch and straight lines at high speeds with a variety of adapters. This ensures superior performance with heavy duty material such as double wall, triple wall and recycled board, plus the newest environmental boards.

It features 150 mm (6") diameter crease wheels with a scoring pressure equivalent to 50 kg – 110 lbs; sufficient to crease triple and double-wall corrugated with heavy liners. The large-size wheels also provide superior crease quality on recycled corrugated board, especially because a higher pressure can be applied without cracking the liner.

The Dual HDU has a separate position for 60 mm wheels that facilitates crease, perforation and tear lines through board up to 6 mm (¼") without the need to change tools. Combining two independent wheels will significantly improve the productivity.

The Dual HDU can offer V-notch cutting, with mitered corners and extremely precise folds for loading pallets, and container cushioning pieces, and paper core board displays.

Materials

- › All sorts of Corrugated boards up to triple wall and including high recycled content, paper core board, honeycomb, corrugated plastic, foam board.

Benefits

- › 50 kg - 110 lbs down force
- › Separate holder for 60 mm perforation wheels
- › Powerful head rotation
- › Large variation of V-notch tools (angles)
- › HD knife tools

Included

- › Heavy duty tool unit with Perforation wheel holder
- › Crease wheel, Ø150 4-point
- › Crease wheel, Ø150 6-point
- › PERFormaX 955 - 9 TPI x .060" (1.5 mm) Space 55% Hold Strength
- › PERFormaX 568 - 5 TPI x .135" (3.4 mm) Space 68% Hold Strength
- › Perforation wheel 5x5 mm
- › Perforation wheel 7x5 mm

Software requirements

- › iPC 2.3 or higher for C and XP machines.



VARIANGLE UNIT

Sales code: 97AR5956

What is it used for?

The VariAngle Unit offers the possibility to make straight-cuts (0 degree) and V-notch cuts in all angles between 0 and 60, in increments of 0.5 degree. The tool will automatically change the knife angle based on information from the input file. The knife angle can be set in ArtiosCAD as well as in iPC.

Material thickness and angle overview

- > Up to 60 degrees angle in materials up to 16 mm thickness
- > Up to 45 degrees angle in materials up to 20 mm thickness
- > Can cut straight (0 degree) in materials up to 30 mm thickness

See table below for more details

Materials

All sorts of corrugated boards up to triple wall, paper core board, paper-based honeycomb, corrugated plastic, foam board and solid board.



Benefits

- › The VariAngle is a new and unique tool that will automatically adjust the cutting angle (from vertical up to 60 degree cutting angles) without the need to stop the production to change the tools. This results in increased productivity
- › Explore and validate new creative designs with a faster time to market and more efficient production
- › Minimized operator involvement eliminates safety issues by decreasing handling of tools and blades

Included

- › VariAngle Unit
- › Knife adapter for std knife blades
- › 1 pcs BLD-SF640 knife blades
- › 2 pcs BLD-SF641 knife blades

Options

- › (97AR5957) Short knife blade adapter
- › BLD-SF620 knife blades

Software requirements

- › iPC 2.4.1 or higher for C and XP machines (Not for XPA).



FOAM CUTTING UNIT

Sales code: 97AR5458

What is it used for?

The Foam Cutting Unit is a heavy duty tool made for cutting a large range of foam materials up to 50 mm - 2" thickness. These types of foam are typically used in the protective packaging industry.

The FCU is a reciprocating knife designed with characteristics optimal for low density porous material. It works with a stroke length of 4 mm and a frequency of 4800 strokes per minute. The great Z-axis control gives an advantage when cutting foam because it ensures consistent partial cut, which is very important with many foam designs.

Support wheels safeguard the user from the sharp blades and improve cutting abilities by applying pressure on top of the foam material. Foam materials can normally be converted at a speed up to about 15 m/min with this tool depending on material quality. A wide range of blades also makes it suitable for honeycomb and fluted core board.

Materials

- › Polyethylene foam; expanded polystyrene, fluted core board, paper honeycomb board
- › Please note that some foam materials have a tendency to melt and stick to the knife, also materials with open cells would require additional hold down

Benefits

- › Perfect for cutting a wide range of foam materials at high speed
- › Large range of specially designed blades for material versatility
- › Support wheels to hold the material down

Included

There are two different adapters included, one for up to 32 mm - 1 ¼" material thickness and one for up to 50 mm - 2" thickness.

The adapters accept the SR63xx and the SR65xx style blades. Two blades of each type are also included.

Options

- › Adapter for flat 40 mm blades: 34014845
- › See the Bits and Blades Catalogue for more information



HIGH-POWER MILLING UNIT (HPMU)

Sales code: 97AR5457

What is it used for?

The High-Power Milling Unit allows for milling, contour cutting, routing, drilling and engraving. It's suitable for high speed routing in a wide range of materials such as foamed PVS, solid PVC/PS, acrylic, aluminum composite material (ACM), MDF, wood....

The 3 kW milling spindle offers fast feed rates, thus considerably widening the bottleneck that routing jobs often present. The spindle features a 3 kW of milling power and speeds up to 60,000 RPM. It is liquid cooled in order to utilize its full power potential.

The HPMU includes a software function to supervise and monitor the spindle current, which is useful to adjust the feed rate and RPM settings for new materials.

Material

Foamed PVC, solid PVC/PS, acrylic, aluminum composite material (ACM), MDF, wood...

The maximum material thickness that can be milled is 50 mm - 2".

For milling thickness exceeding 25 mm it is beneficial to use milling bits with 8 mm shank size, used with an optional collet that interchanges with the standard 6 mm collet.

Benefits

- > High quality routing at high speed
- > High power, liquid cooled motor
- > Large range of specialized and balanced milling bits
- > Very fast milling bit exchange

Included

Milling starter kit for 6 mm shank:

- > 1x Acrylic, single flute, 3 mm tip, 11 mm flute length
- > 1x Acrylic, single flute, 5 mm tip, 22 mm flute length
- > 1x Multi-purpose, 3 mm tip, 11 mm flute length
- > 1x Multi-purpose, 5 mm tip, 22 mm flute length
- > Felt Milling underlays: approx. 3 mm thick

Options

- > (97AR5729) LubriCool misting Option - see separate chapter
- > Optional collet shank sizes: 3 mm, 8 mm see bits and blade catalogue
- > Non slip routing underlay - See online shop



LUBRICOOL MISTING OPTION FOR HPMU

Sales code: 97AR5729

What is it used for?

LubriCool is an option for the High-Power Milling Unit. It cools the milling bit and lubricates the routing process. Resulting in significantly higher productivity and an extended life length of the milling bits for materials such as Aluminum composite Material (ACM) and some aluminum alloys.

The system is set up with a reservoir with special "oil" that is converted into a mist with help of compressed air and a mixing zone.

The mist is sprayed directly on the router bit via three nozzles during operation, only a small drop of oil every 10 seconds is needed (factory present). This small amount ensures no trace on samples and low consumption.

The system can be turned off when routing materials where misting is not beneficial.

Materials

Aluminum composite Material (ACM), aluminum.

Benefits

- › Higher productivity (run faster with less passes)
- › Smoother routing surface, less after work
- › Extended life length of router bits

Included

- › Routing liquid
- › Extra suction ring. This ring has a larger opening and should normally be used when routing materials where the LubriCool function is not in use. Especially when routing materials that generate a large amount of dust or chips, such as MDF, wood and acrylics



Oscillating Knife Tools

VIBRACUT KNIFE TOOL

Sales code: 97AR5464

What is it used for?

This tool is suitable for single and double-wall corrugated board and other light-duty fibrous materials, such as corrugated board, soft foam board and corrugated plastic.

It runs at a frequency of 6000 Strokes per minute and with an amplitude of 0.3 mm.

These properties, along with a powerful motor, enable cutting at full table speed with good quality materials.

A floating foot is used to reduce material tear and to keep the material down.

The cup is made of synthetic material to avoid scratching of printed surfaces.

Maximum cutting thickness: 20 mm - $\frac{3}{8}$ "- $\frac{3}{4}$ " depending on blade.

Different knife adapters allow for different knife types. Maximum cutting thickness is 10-20 mm - $\frac{3}{8}$ "- $\frac{3}{4}$ " depending on blade.

Material

Corrugated single wall, corrugated double wall, micro flute, soft foam board, corrugated plastic.

Benefits

- > High Speed (full machine speed when using good quality board)
- > Cuts a wide range of porous materials
- > Large range of high quality long life knife blades

Included

- > Adapter for SR6xxx blades includes 3 x BLDSR-6223 and 3 x SR-BLD6224 knife blades
- > A gliding foot for 20 mm - $\frac{3}{4}$ " material cutting thickness

Options

- > (97AR931) Separate knife blade adapter for SF216/217, including 4x BLD-SF216 and 4x BLD-SF217 blades
- > Works with a wide range of blades, see the Bits and Blades Catalogue



HIGH-FREQUENCY VIBRACUT KNIFE TOOL

Sales code: 97AR5463

What is it used for?

The High-frequency VibraCut Knife Tool is a high-frequency reciprocating knife tool for cutting a lot of different materials, such as corrugated board with high-recycled content, soft foam board, corrugated plastic and fluted core board.

It runs at a frequency of 12000 strokes per minute and amplitude of 1.2 mm.

These properties, along with a powerful motor, enable cutting of heavily recycled board at efficient speed.

A floating foot is used to reduce material tear and to keep the material down.

Material

Corrugated material with high recycled content, fluted core board, Honeycomb board, soft foam board, corrugated plastic, high density foam.

Maximum cutting thickness: 20 mm – ¾" with short foot, 30 mm – 1¼" with long foot.

Benefits

- › Multi-purpose reciprocating knife tool for heavy duty board
- › Good performance with high recycled content board
- › Large range of knife blades

Included

- › Adapter for SR6xxx blades, incl 3x BLD-SR6223, 3x BLD-SR6224, 3x BLD-SR6310 and 3x BLD-SR6303 knife blades
- › Gliding foot for 20 mm – ¾" material cutting thickness

Options

- › (97AR931) Separate knife blade adapter for SF216/217, including 4x BLD-SF216 and 4x BLD-SF217 blades
- › (97AR5148) Gliding foot for 30 mm – 1¼" material cutting thickness
- › Works with a wide range of knife blades, see Blades Catalogue



CORRUSPEED TOOL

Sales code: 97AR5731

What is it used for?

The CorruSpeed Tool is developed for cutting corrugated board at high speeds without oscillating. The CorruSpeed Tool achieves significant time savings on many corrugated boards, even with recycled content.

The CorruSpeed operates with a crushing cup, which in combination with controlled down pressure makes it possible to use a drag knife without tearing or cracking the liner.

Setting up the tool for different board qualities is easily done with help from adjustment wheels / knob.

The tool also comes with two edge crushing cups, radius 16 and 14,5 where the 14,5 gives more pre-crush.

Which cup to use depends on the thickness and quality of the corrugated board. The feet are easy to change; they are guided by pins and magnets and snap in place easily.



Material

The CorruSpeed Tool is designed to work with corrugated board up to double wall BC flutes (7 mm).

Benefits

- › High productivity (in many cases the full machine speed: 100 m/min)
- › Silent, the only noise you hear is the machine movement.
- › Smooth cut, the tool doesn't oscillate, so that means no tagged edge
- › Pre crushed lines: cutting lines are more similar to a die cut

Please note

- › For corrugated board with extremely short fibers and high recycled content, you might still need the properties of high frequency knife tools.

Included

- › 2x crushing cups, with radius 16 and 14,5
- › 8 standard knife blades: 2x BLD-SR8170, 2x BLD-SR8172, 2x BLD-DR8160 and 2x BLDDR8180

Options

Works with the SR/DR 8XXX blades, see the Bits and Blades Catalogue.

Software requirements

iPC 2.0

RIGID MATERIAL KNIFE TOOL

Sales code: 97AR5460

What is it used for?

The Rigid Material Knife Tool is a static knife tool suitable for a wide range of materials at high speed. There is a large selection of knife blades available that makes it possible to cut everything from light weight detailed work to heavy rigid board like plastic foamed PVC 3 mm.

The maximum cutting depth is defined by the blades; maximum thickness is 13 / ½ inch.

Material

Flexible plastic sheets, foamed PVC up to 3 mm, triple wall corrugated, soft foam board, corrugated plastic, cardboard, display board, vinyl, PVC banner.

Benefits

- › A flexible all around knife tool, used for a wide range of applications
- › Rigid board cutting at high speed
- › High quality specially developed blades

Included

2x BLD-DR8160, 2x BLD-DR8180, 2x BLD-SR8170, 2x BLD-SR8172

Options

- › Works with all Kongsberg knife blades in the BLD-SR/DR8xxx series, including asymmetric blades for burr-free edges
- › Crease blades



PSALIGRAPHY KNIFE TOOL

Sales code: 97AR5730

What is it used for?

The Psaligraphy Knife Tool is specifically developed for fine details in thin materials like paper and folding carton. This is achieved by a spring loaded floating plastic foot in combination with special designed knife blades.

This tool is typically used for applications like greeting cards, invitation cards, promotional items, folding carton samples and psaligraphy art.

Material

Fine detailed paper cut, folding carton.

Benefits

- › Cuts out intricate details without lifting, moving or tearing the material.
- › High quality specially designed knife blades with long life
- › User friendly plastic foot that snaps in place guided by pins and magnets

Included

2x BLD-SR6150 and 2x BLD-SR6151 round shaft cutting blades.

Optional

Works well with all Kongsberg knife blades in the BLD-SR/DR61xx series including asymmetric blades for burr-free edges.

Software requirements

iPC 2.0



HIFORCE KNIFE TOOL

Sales code: 97AR5461

What is it used for?

The Hi-Force knife tool is a general purpose knife tool, suitable for cutting a wide range of flexible, paper based and rigid materials.

The high down force is achieved by directly using the machine Z-axis, which allows for cutting intricate details in tough materials. To reduce material tearing and keep the material down, a floating foot is available.

The maximum cutting depth is defined by the blades, with standard adapter maximum thickness is 3 mm / 1/8 inch.

Different knife adapters allow for different knife types, see options.

Material

Flexible plastic sheets, folding carton, display board, vinyl, PVC banner, corrugated plastic.

Benefits

- › A flexible all around knife tool
- › High down force
- › Wide range of adapters and blades

Included

Adapter for SF blades, incl. 4x BLD-SF216 and 4x BLD-SF217 blades.

Optional

- › (97AR452) Separate knife blade adapter for half-length BLD-DF112/113 including 2x BLD-DF112 and 2x BLD-DF113 blade.
- › (97AR5011) Separate blade adapter for the DR/SR61xx-series including 2x BLD-DR6160 and 2x BLD-DR6161 blade.
- › Works with a wide range of Kongsberg knife blades in the BLD-SR/DR6xxx, DF112/113, SF216/217 series including asymmetric blades for burr-free edges



Specialty Tools

PRESSCUT KNIFE TOOL

Sales code: 97AR5462

What is it used for?

The PressCut Knife Tool is a specialty tool for kiss cutting adhesive vinyl (decals) and foils. It's used for applications where it is important to keep the backing intact and only cut through the top film.

Due to the characteristics of the material, a spring loaded pressure is required in order to achieve perfect peel/weed quality.

The pressure is software controlled, allowing partial cut and through cut with same tool. It has an extremely fast-response on tool up/down movements.

The tool also features a software function that enables speed dependent tool pressure control, which is important to ensure reliable cutting when velocity ramps up and down.

Maximum downward knife pressure is 10N.

Material

Adhesive vinyl (decals), foil, diamond grade foil.

Benefits

- › Perfect weeding/peeling quality at high speed
- › Tool pressure can be changed between kiss cutting and through cutting
- › Only the knife blade touches the material; i.e. no scratching of shiny or printed surfaces

Included

- › incl. 3x KC101 and 3x KC102 knife blades
- › A foot for accurate depth control when more pressure is required

Options

Kongsberg knife blades in the BLD-KCxx series



BRaille TOOL

Sales code: 97AR5824

What is it used for?

The Braille tool enables raised dots reading by fingertips for braille signage. The need for this tool in the market is due to regulations by governments throughout the world.

The Braille tool inserts spheres into predrilled holes in rigid materials. The drilling requires a router tool head (HSMU or HPMU) and a special purpose milling bit. The Braille tool is mounted as any other tool units, on the “fast” tool position.

The braille spheres are inserted into small holes by a spring load in the tool. The tool is supplied with a plunger that has two purposes. First to force the spheres into the internal funnel, secondly to indicate the number of spheres remaining in the tool.



Material

Rigid materials like Foamed PVC, PS, Acrylic, ACM, etc..

Benefits

- › Enable Braille Signage

Included

The Braille tool comes as part of a kit, also

- › Including two milling bits
- › 10.000 clear acrylic spheres
- › Various hand tools, samples and documentation on how to make Braille signs

Optional

Range of different spheres.

Please note

When ordered for XP the tool will be the same, with green C color.

Software requirements

iPC 2.1 or higher

ROTACUT TOOL

Sales code: 97AR5459

What is it used for?

The RotaCut Tool is specifically developed for cutting textiles, canvas, mesh and other air transparent materials.

Since most textiles are more or less air transparent the vacuum hold-down system of the table will not be effective when cutting such materials. The RotaCut Tool has been designed with this in mind.

It operates by rotating a 10-faceted knife blade at 10 000 RPM. The blade protrudes from a slot in a hold-down foot that presses down on the material. The foot is made from a material that reduces friction to a minimum, and these properties, in connection with the fibrous surface of the conveyor belt, or felt mats; provide a hold-down sufficient for cutting most textile materials.

Maximum cutting depth is 2 mm / 0.07".

Material

Textile, banner, canvas, mesh, carpet.

Benefits

- › Floating foot for material hold
- › High speed 10-faceted knife blade
- › Software controlled overcut function

Included

5x RC110 decagonal knife blades and tools for blade change.

Options

Applicable knife blades RC110 decagonal knife blade.



Tools for the Insert Position

TOOL INSERT FIXTURE

Sales code: 97AR5030

What is it used for?

The Tool Insert Fixture is an optional tool position and a prerequisite for the mounting tool inserts; the Ballpoint Pen Tool, Fiber Tip Pen Tool and the Drill Tool.



BALLPOINT PEN INSERT

Sales code: 97AR5031

What is it used for?

The Ballpoint Pen Tool is aimed for pen drawing, plotting and sample marking on materials such as folding carton, paper, cardboard and other paper based materials.

Please note

The Ballpoint Pen Insert mounts into the Tool Insert Fixture, which is an optimal tool position. (97AR5030)

Included

2x pen refills; black, medium line weight.

Options

Refill pen, see the Bits and Blades Catalogue.



FIBER TIP PEN TOOL

Sales code: 97AR5370

What is it used for?

The Fiber Tip Tool option provides drawing capabilities on materials such as clear vinyl, which normally cannot be marked with ball-point or liquid ink pens.

Please note

The Fiber Tip Pen tool mounts into the Tool Insert Fixture, which is an optimal tool position. (97AR5030)

Included

8 multi-colored pen refills, medium line weight.

Options

Refill pen medium and thin line weight; see the Bits and Blades Catalogue.



DRILL TOOL INSERT

Sales code: 97AR5032

What is it used for?

The drill tool is aimed at light-duty drilling in materials such as fluted core board, honeycomb, soft foam board and triple wall corrugated. Mounting and creating fixations holes are the main applications. This tool has a 70W geared motor and spins with approximately 1000 rpm.

The adjustable chuck accepts drill bits ranging from 0.5 – 6.5 mm, or 1/64" – 1/4".

Please note

The drill tool Insert mounts into the Tool Insert Fixture, which is an optimal tool position. (97AR5030)

Material

Fluted core board, honeycomb, soft foam board and triple wall corrugated.

Included

2x 3 mm and 2x 4 mm drill bits are included.



Heavy duty & V-notch tools for the Heavy Duty Tool Unit

HD KNIFE 17

Sales code: 97AR379

What is it used for?

Heavy-duty knife tool used for rigid board such as fluted core board, display board and triple wall material for fast straight cutting. Maximum cutting thickness is 17 mm. Limited to straight lines longer than 50 mm - 2".

Material

Fluted core board, triple wall, Honeycomb board.

Benefits

Straight rigid panel cutting at high speeds.

Included

5x BLD-TZ129



HD KNIFE 30

Sales code: 97AR725

What is it used for?

Heavy-duty knife tool used for fast straight cutting of rigid board such as fluted core board and honeycomb board material. The maximum cutting thickness is 30 mm. Limited to straight lines longer than 50 mm - 2".

Material

Fluted core board, triple wall, Honeycomb board.

Benefits

Straight rigid panel cutting at high speeds.

Included

2x BLD-TZ230, a specially designed, Tungsten Carbide knife blade.



HD BEVELKNIFE

Sales code: 97AR5821

What is it used for?

The HD BevelKnife tool is suitable for a 45° slanted cut for v-notching or single through cutting.

The kit is developed for V-notching of folding lines in solid board (grey board) material using the special developed knife blade BLD-SF245.

The purpose is to create an exact, sharp 90° fold in materials that cannot be folded with conventional crease tooling.

Material

Solid board and display board.
The maximum cutting depth is 6-7 mm..

Benefits

Perfect 45° slanted folding lines
in thin materials missing.

Included

5 x BLD-SF245.

Optional

Can also use the BLD-SF212 knife blades.

Software requirements

iPC 2.1 or higher



V-NOTCH KNIFE 45°

Sales code: 97AR620

What is it used for?

For 45° V-notch cutting in triple wall corrugated, corrugated plastic and fluted core board. Its application is to make a 90° partially cut V-notch for folding functionality or a through-cut leaving a slanted cutting edge.

Max. cutting depth is 16 mm - 5/8". Limited to straight lines only.

Material

Fluted core board, honeycomb board, soft foam board and triple wall corrugated.

Benefits

- > Perfect 45° slanted folding lines up to 16 mm material
- > Specially designed high quality knife blades

Included

2x BLD-TZ511 5x BLD-TZ192



V-NOTCH KNIFE 45° 10 MM

Sales code: 97AR274

What is it used for?

For 45° V-notch cutting for tougher materials like corrugated plastic.

Its application is to make a 90° partially cut V-notch for folding functionality or a through-cut leaving a slanted cutting edge.

The maximum cutting depth is 10 mm - 3/8". This will provide a more accurate cut in thinner material due to the shorter free end of the blade which gives less flex.

Max. cutting depth is 10 mm - 3/8". Limited to straight lines only.

Material

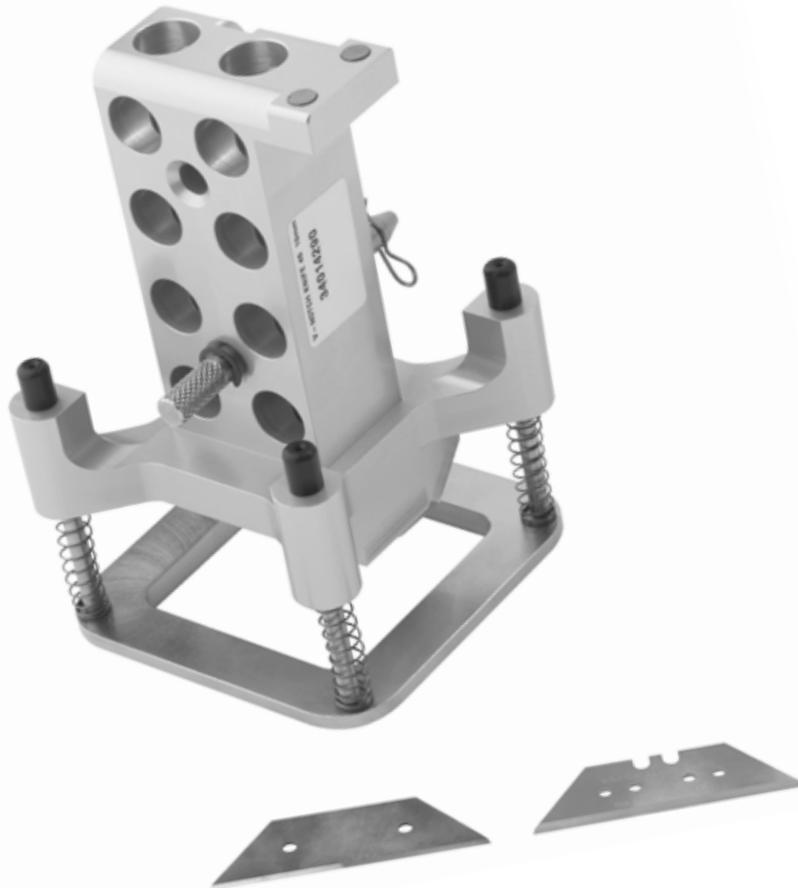
Fluted core board, honeycomb board, soft foam board and triple wall corrugated.

Benefits

- > Perfect 45° slanted folding lines up to 10 mm material
- > Specially designed high quality knife blades

Included

2x BLD-TZ511 5x BLD-TZ192



V-NOTCH KNIFE 15°

Sales code 97AR982

What is it used for?

For 15° V-notch cutting in triple wall corrugated, corrugated plastic and fluted core board. Its application is to make a 30° partially cut V-notch for folding functionality, such as 12-edge polygonal pillars or a through-cut leaving a slanted cutting edge.

Max. cutting depth is 16 mm - 5/8". Limited to straight lines only.

Material

Fluted core board, honeycomb board, soft foam board and triple wall corrugated.

Benefits

- > Perfect 15° slanted folding lines up to 16 mm material
- > Specially designed high quality knife blades

Included

2x BLD-TZ511 5x BLD-TZ192



V-NOTCH KNIFE 22.5°

Sales code 97A5763

What is it used for?

For 22.5° V-notch cutting in triple wall corrugated, corrugated plastic and fluted core board.

Its application is to make a 45° partially cut V-notch for folding functionality, for products such as octagonal pillars, or a through-cut leaving a slanted cutting edge.

The maximum cutting depth is 16 mm - 5/8". Limited to straight lines only.

Material

Fluted core board, honeycomb board, soft foam board and triple wall corrugated.

Benefits

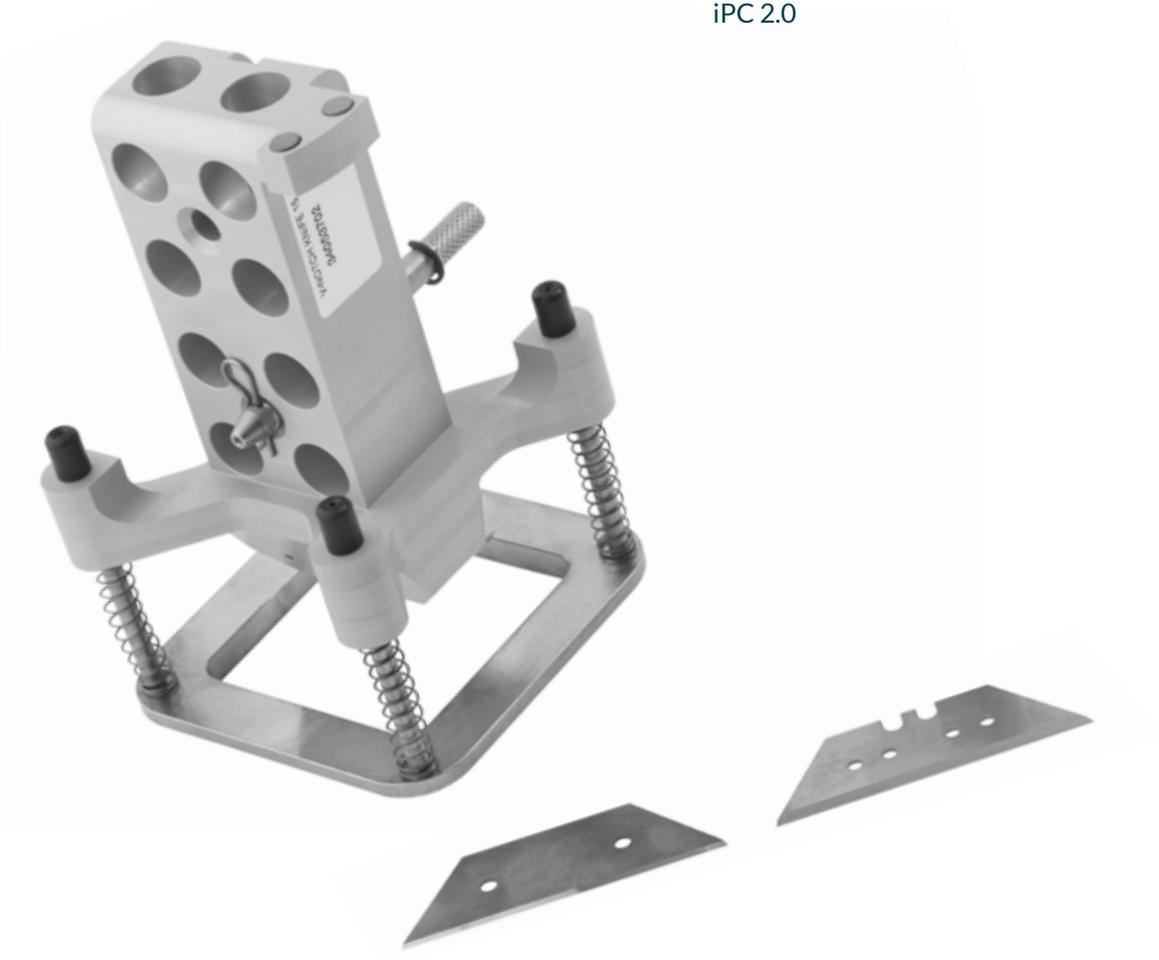
- > Perfect 22.5° slanted folding lines up to 16 mm material
- > Specially designed high quality knife blades

Included

2x BLD-TZ511 5x BLD-TZ192

Software requirements

iPC 2.0



V-NOTCH KNIFE 30°

Sales code: 97AR983

What is it used for?

For 30° V-notch cutting in triple wall corrugated, corrugated plastic and fluted core board. Its application is to make a 60° partially cut V-notch for folding functionality, such as 6-edge polygonal pillars or a through-cut leaving a slanted cutting edge.

The maximum cutting depth is 16 mm - 5/8". Limited to straight lines only.

Material

Fluted core board, honeycomb board, soft foam board and triple wall corrugated.

Benefits

- › Perfect 30° slanted folding lines up to 16 mm material
- › Specially designed high quality knife blades

Included

2x BLD-TZ511, 5x BLD-TZ192



CREASE ADAPTER 15 MM

Sales code: 97AR101

What is it used for?

An adapter for using crease wheels with diameter 15 mm is available as an optional crease tool to improve folding quality in thin materials. The application of this adapter is mainly folding carton and paper.

Material

Paper and folding carton.

Benefits

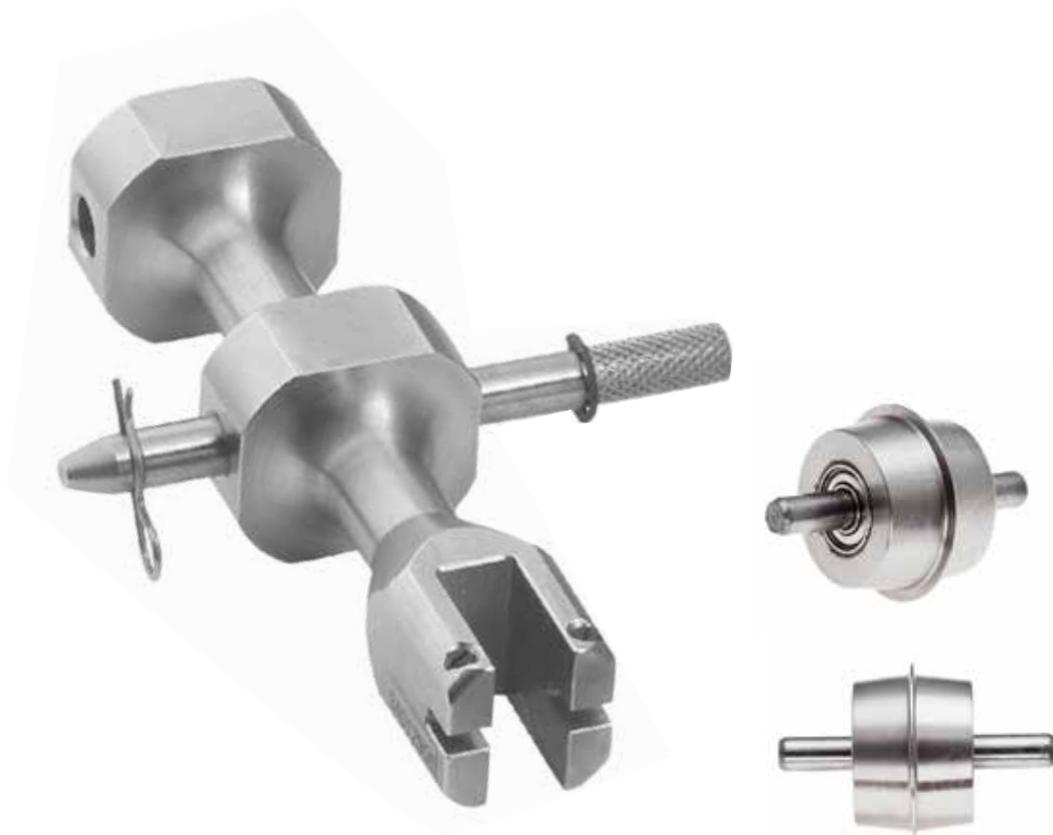
- › Use 15 mm crease wheel in combination with high down force
- › Creasing in thin materials

Included

Adapter only.

Options

All 15 mm crease wheels.



CREASE ADAPTER 26 MM

Sales code: 97AR100

What is it used for?

An adapter for crease wheels with diameter 26 mm is available as an optional crease tool. The application of this adapter is to enable a smaller sized wheel for micro flutes, folding carton and corrugated plastic. The smaller wheels and the heavy crease power, has a good effect on defeating the 'memory' of the plastic material.

Material

Corrugated single wall, micro well, corrugated plastic, folding carton.

Benefits

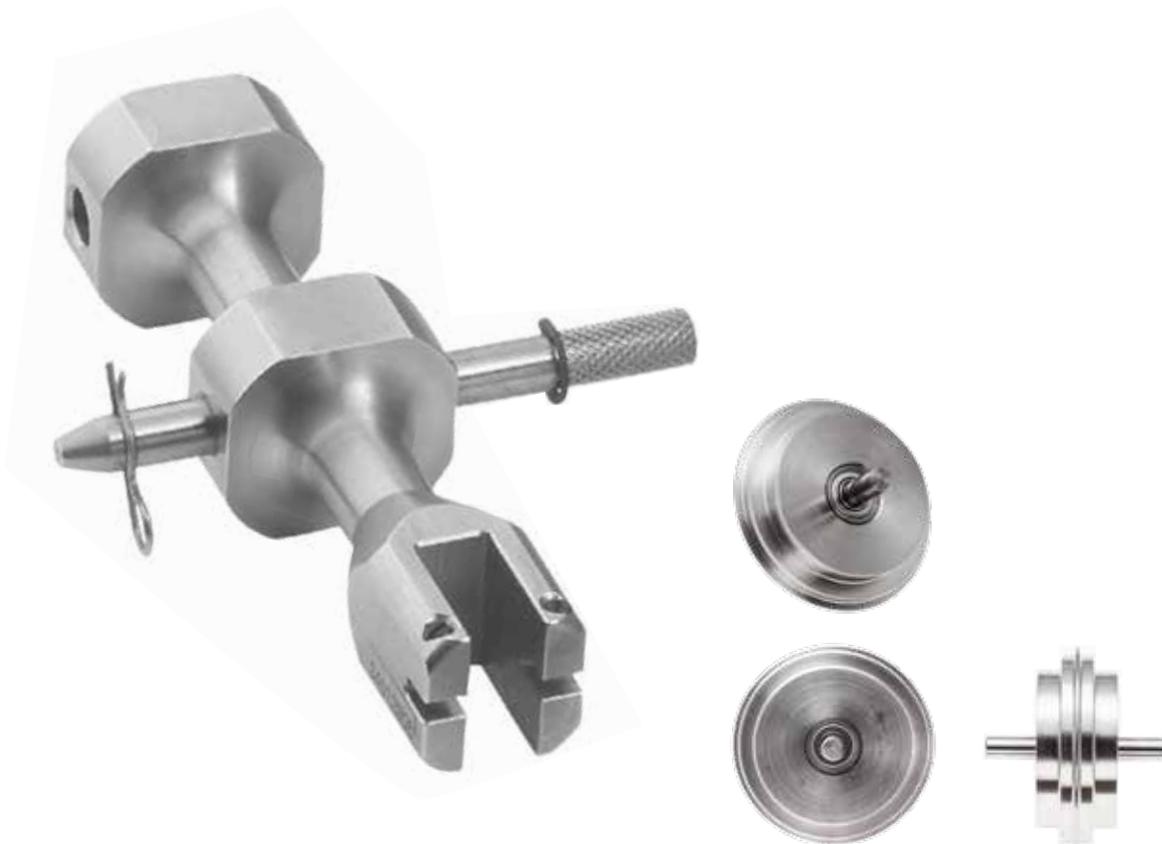
- > Use 26 mm crease wheel in combination with high down force
- > Creasing in tough plastic materials

Included

Adapter only.

Options

All 26 mm crease wheels.



CREASE WHEEL ADAPTER 60 MM

Sales code: 97AR5588

What is it used for?

The 60 mm Crease Wheel adapter offers the possibility to crease most corrugated thicknesses.

The medium-size wheels also allow for creasing with a higher pressure without cracking the liner, and with a limited over-crease.

It gives a sharper result to the 150 mm crease and at the same time allows harder pressure than the smaller wheel diameters.

The optional 60 mm Perforation Wheel pack offers the possibility to produce tear perforations at high speeds for corrugated board up to C flute (4 mm).

Material

Corrugated single wall, corrugated double wall, micro flute.

Benefits

- › Enables high speed perforation wheel cutting
- › Enables High pressure, medium crease overcut

Included

Adapter only.

Options

- › 60 mm Crease Wheels
 - › a 4-point wheel suitable for E- and Micro Flutes
 - › a 6-point wheel suitable for B- and C-flute
 - › U-shaped wheel for Double Wall Corrugated
- › Perforation Wheel package 4 x 60 mm (97AR5517)

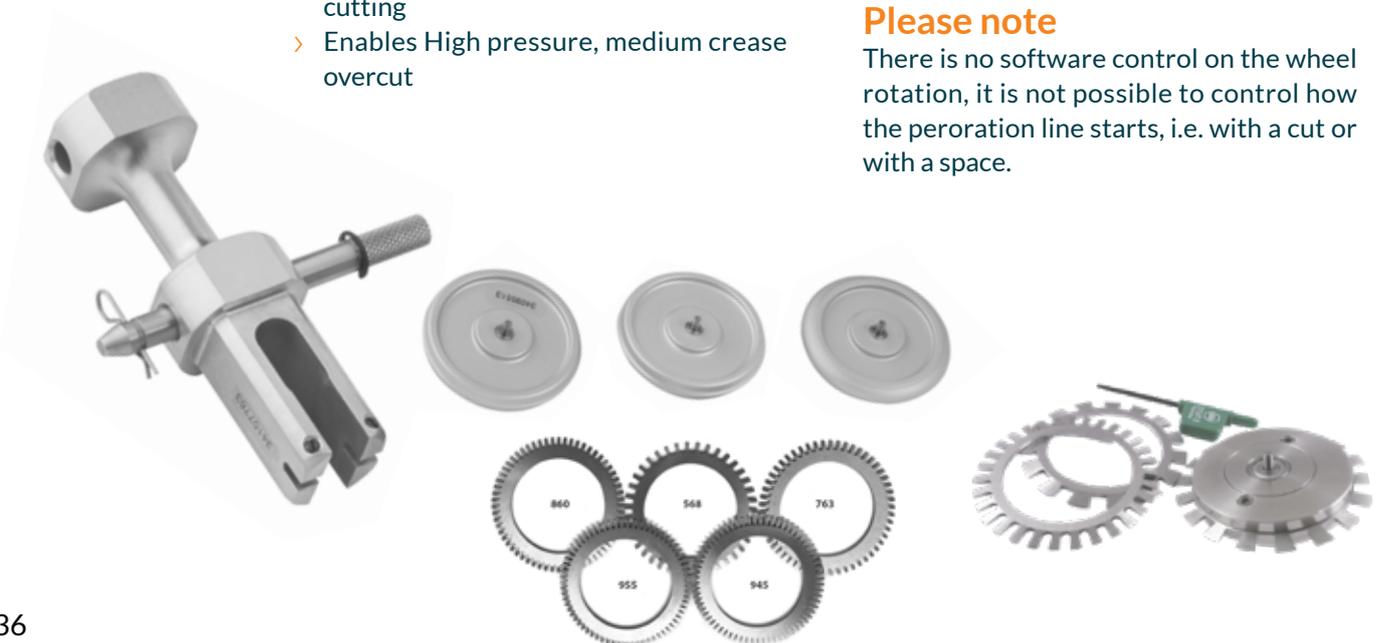
For high speed perforation. Includes four standard perforation patterns, 3x3 mm, 5x5 mm, 7x5 mm, 10x10 mm

- › Perforation Wheel package 5 x PERFormaX wheels (97AR5877)

The PERFormaX wheels are used for shelf ready tear perforation. These wheels fit directly in the Kongsberg 60 mm perf wheel holder. Meaning it can be used with the 60 mm crease tool and the 60 mm crease wheel adapter for the HD Unit and PowerHead

Please note

There is no software control on the wheel rotation, it is not possible to control how the perforation line starts, i.e. with a cut or with a space.



CREASE BLADE ADAPTER 8 MM

Sales code: 97AR5955

What is it used for?

Crease blades are typically used for creasing flexible plastic sheets such as polypropylene.

With this type of material a blunt blade will give better folding capabilities than what can be achieved with a crease wheel.

The adapter also accepts BLD-SR/DR8XXX blades.

Material

Flexible plastic sheets, polypropylene.

Benefits

- › Creasing in tough flexible materials

Included

- › Crease blades adapter
- › 0.5 mm crease blade
- › 1.0 mm crease blade

Optional

- › All the 8 mm round shaft knife blades, BLD-SR/DRxxx found on page 7 in the Kongsberg bits & blades catalogue



KNIFE BLADE ADAPTER

Sales code: BLD-SF21X

What is it used for?

The adapter accepts BLD-DF212 and 213 knife blades, typically used together with the PressCut tool for trough cutting in combination with kiss cutting in adhesive vinyl and reflective foil.

Material

Adhesive vinyl, reflective foil, diamond grade.

Benefits

Trough cutting in adhesive vinyl and reflective foil (diamond grade).

Included

- > Knife blade adapter
- > 1 x BLD-DF212 knife blade
- > 1 x BLD-DF213 knife blade



Accessories

TOOL TROLLEY

Sales code: 97AR5844

What is it used for?

Keep your work area neat and safe while taking care of your valuable Esko tools with the Tool Trolley for Kongsberg C.

Depending on your needs, the trolley offers easy access for up to 2 HD Units and up to 4 fast tool units. The large internal storage space with two shelves allows you to store additional tools and there's a drawer for your bits and blades.

Additionally, there is a dedicated slot for used bits and blades for safe disposal and the trolley has five positions for screwdrivers for fast access.

The trolley is on wheels, so it can be moved easily, the wheels can be locked for safe parking.

Dimensions

W x D x H: 100 x 50 x 90 cm / 40 x 20 x 35 "



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Visit the Kongsberg Store to buy the best bits and blades for your Kongsberg cutting table.

www.kongsbergstore.com



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