







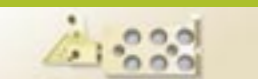
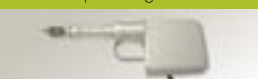


# The Kongsberg Tooling Family

- All tools are available for the Kongsberg XL family.
- The tools marked with ☼ are also available for the Kongsberg DCM.
- All XL toolheads have an integrated laser pointer  that ensures accurate start positioning and simplifies adjustments.

	Standard FlexiHead	FlexiHead-M	PowerHead ☼	Multicut	
					Standard FlexiHead
					FlexiHead-M
					PowerHead
					Multicut
<b>Special purpose knife tools</b>					
<b>Reciprocating knife tool</b> 	●	●	●	●	The reciprocating knife tool cuts most corrugated board up to about 10 mm [.40"] thickness at maximum machine speed, thanks to its electrically oscillating knife. ☼
<b>Conventional knife tool</b> 	●	●	●	●	The conventional knife tool comes in three variants for different material thickness: Folding Carton: up to 1 mm [.04"] - General Purpose: 1-7 mm [.04" - .3"] - Triple Wall: 7-17 mm [.3"-.67"].
<b>Hi-frequency knife tool</b> 	●	●	●	●	Special variant of the reciprocating knife tool for cutting recycled board. Driven by a powerful electrical motor its reciprocation is tuned to enable cutting of heavily recycled board at efficient speed. Uses the VHM series of cylindrical knife blades. ☼
<b>MicroCut tool</b> 	●	●	●	●	The MicroCut tool produces cuts with depth accuracy of $\pm 0.01\text{mm}$ [ $\pm .0004$ "]; for half-cuts in carton materials, cutting of coating blankets (varnish blankets), kiss cutting of adhesive vinyl and Rubylith. It comes with an electronic micrometer with a zeroing feature. ☼
<b>Kisscut knife tool</b> 	●	●	●	●	Pressure controlled knife tool for adhesive vinyl. Cutting pressure is adjustable at the tool top. Comes with two different pressure springs and removable, adjustable depth control collet for thicker foils.
<b>Milling tool</b> 	○	●	○	○	The Milling tool produces crease matrices for folding carton samplemaking, using standard 3mm channel bits with adjustable spindle speed (0-40,000RPM). Electronic micrometer ensures fast and precise milling depth control.
<b>FoamKnife</b> 	●	●	●	●	The FoamKnife cuts foam materials up to about 30mm [1 1/4 "] with a long, oscillating knife blade. Requires Extended Traverse Clearance option and cannot operate together with other tool inserts.
<b>V-notch tool</b> 	○	○	●	○	The V-Notch tool produces a mitering, straight-line notch in materials up to 17mm [.70"] thickness, such as triple wall corrugated. Interchanges with the Power-Head's large crease wheel. Its special software can start or stop a cutting line anywhere within a board. ☼
<b>HD knife tool</b> 	○	○	●	○	Heavy-duty knife tool that exchanges with the large crease wheel in the Power-Head. Used for straight cuts in thick, heavy materials such as triple wall corrugated and Re-board. Versions available for both 17 and 22mm board thickness. ☼
<b>DEKO reciprocating knife tool</b> 	●	●	●	●	Special variant of the reciprocating knife tool for heavy-duty material such as triple wall corrugated and Re-board. Has a powerful oscillating motor and is designed to use a large, special purpose knife blade. Maximum cutting thickness is 17mm. ☼

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	Standard FlexiHead	FlexiHead-M	PowerHead	MultiCUT	
					Standard FlexiHead
					FlexiHead-M
					PowerHead
					MultiCUT
<b>Plotting tools</b>					
Ballpoint pen	●	●	●	●	The ballpoint pen accepts Fischer Space Pen refills, which come in three different line weights and four different colors.
Liquid ink tool	●	●	●	●	The liquid ink tool provides optimal contrast and resolution in Mylar plots. It uses a standard plotter refill cartridge, which is available in many line weights.
Fiber tip tool	●	●	●	●	The fiber tip tool provides drawing capabilities on materials such as clear vinyl, which normally cannot be marked with ballpoint or liquid ink pens. It uses a standard Lumocolor fiber tip pen.

## Creasing tools

Standard crease tool	●	●	●	●	The standard crease tools come in two different variants for both 15 and 26 mm [5/8" / 1"] crease wheel inserts. ☼
Crusher tool	●	●	●	●	The crusher tool enables production of cut edges that look like actual die strikes. The crusher tool also proves efficient to flatten parts of a sample in order for slots and inserts to work well. The crusher tool consists of a standard crease tool and a special crease profile. ☼
Heavy duty crease adapter			●		Different Ø150mm [6"] crease profiles are available. There is also an adapter for 'normal sized' crease profiles that replaces the large crease wheel. ☼

☼ (Can also be used on DCM machine)

## FoamHead



The FoamHead is a separate toolhead that easily exchanges with the other XL toolheads. It comes with adapters for three different blade lengths for optimal results in different foam thicknesses. Automatic material thickness sensing and servo controlled cutting depth make partial throughcuts for hinge effect a simple process. The FoamHead handles foam materials with a maximum thickness of 86mm [33/8"].