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KONGSBERG  
ULTIMATE

Engineered for precision.  
Built for productivity.



KONGSBERG  
Precision Cutting Systems

# Revolutionizing digital cutting for corrugated and display production

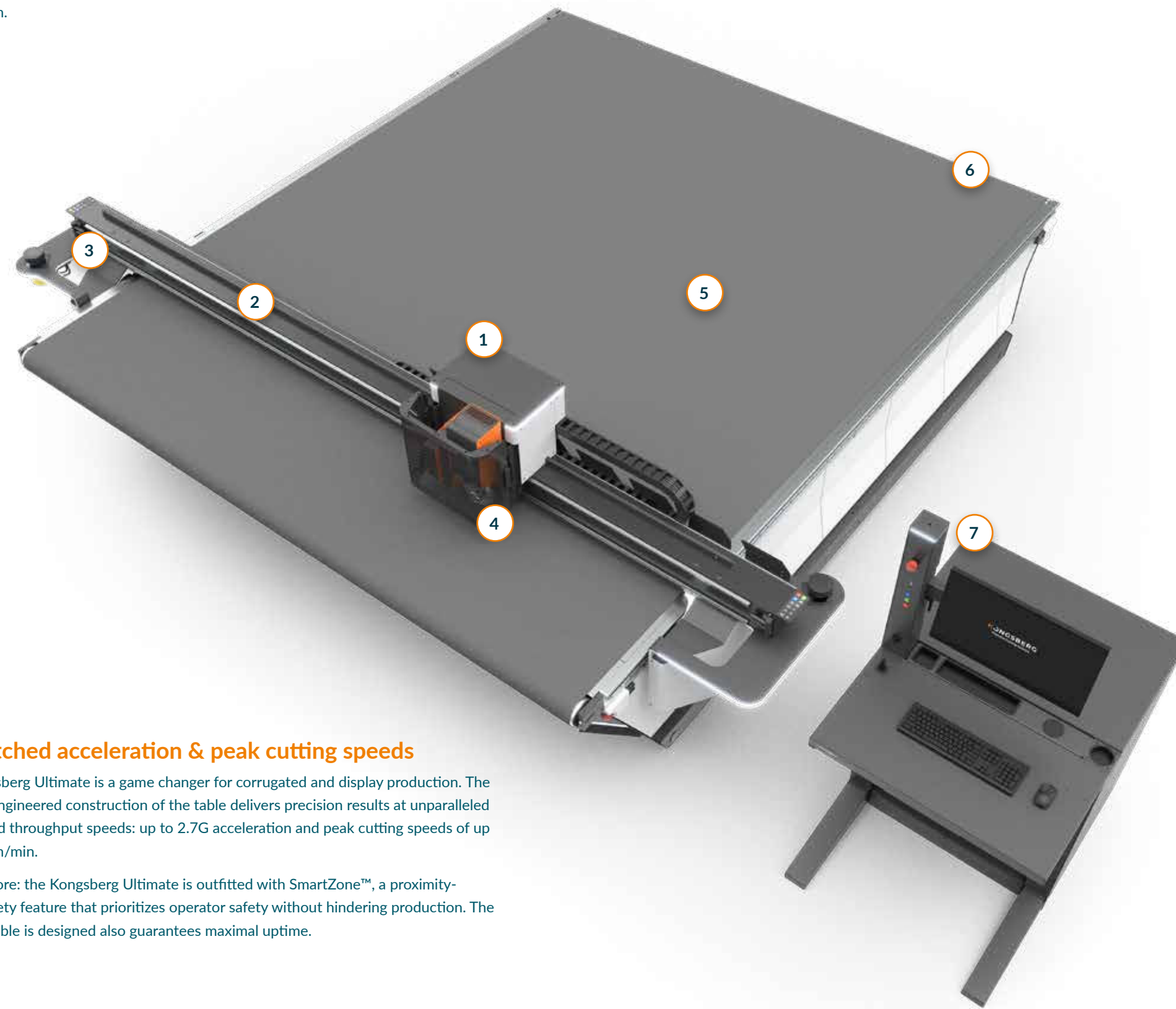
The Kongsberg Ultimate is a brand-new digital cutting table designed specifically for corrugated and display production.

It represents a significant leap forward in technology, addressing the unique challenges faced by corrugated converters that handle continuous high volume multi-batch production.

## Unmatched acceleration & peak cutting speeds

The Kongsberg Ultimate is a game changer for corrugated and display production. The expertly engineered construction of the table delivers precision results at unparalleled cutting and throughput speeds: up to 2.7G acceleration and peak cutting speeds of up to 167.5 m/min.

There's more: the Kongsberg Ultimate is outfitted with SmartZone™, a proximity-driven safety feature that prioritizes operator safety without hindering production. The way the table is designed also guarantees maximal uptime.



### 1. Kongsberg PrecisionDrive™

The in-house designed Kongsberg PrecisionDrive™ system combines a sleek innovative high-torque motor with a rack and pinion setup resulting in up to 2.7 G acceleration and peak cutting speeds of up to 167.5 m/min.

### 2. Innovative design of the traverse

The wide-format traverse beam on the 64 & 66 tables is newly designed, woven from a single filament of carbon, wound around a proprietary unique internal structure for ultimate strength and light weight. This means minimal twisting and bending, even when accelerating or when generating the 50 kg downforce needed for optimal creasing.

### 3. Kongsberg SmartZone™

A new dual-zone safety system monitors the table's surroundings. The first zone slows the table, ensuring uninterrupted output. Move even closer, and the second zone pauses everything.

### 4. Tooling optimized for corrugated production

The Kongsberg Ultimate has tool positions for cutting, oscillating, creasing and perforating. No need for operator intervention to change tools.

### 5. Productivity with intelligent sequencing

A new sequencing module optimizes cutting routes for faster and more efficient production.

### 6. A modular platform

The Kongsberg Ultimate grows with your needs: from manual, to semi-automated with a Feeder & Stacker, right up to the pinnacle of automated production with the Robotic Material Handler.

### 7. A brand-new workstation

A brand-new workstation with a new touchscreen, large and intuitive digital buttons deliver an ergonomic, user-friendly experience for the operator.

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## Built for productivity

For business owners, profits hinge on productivity, and a superior ROI indicates efficient growth. The Kongsberg Ultimate cutting table delivers an excellent ROI by enhancing operations and providing a competitive advantage.

- ☒ **Exceptional performance & precision**  
With its new infinite linear, high-torque motor drive, the Kongsberg Ultimate offers unparalleled acceleration of up to 2.7 G and top cutting speeds of up to 167.5 m/min. Combined with a custom carbon fiber beam design, it provided a consistent 50 kg downforce during expansive cuts.
- ☒ **Tooling excellence & workflow optimization**  
Recognized as the industry’s pinnacle for cutting, perforating, creasing, and V-notching, the Kongsberg tooling sets the standard. The Kongsberg Ultimate has three tool positions that can accommodate four different conversion types, so most corrugated jobs will not require any tool change on the Kongsberg Ultimate.  
  
The integration of our advanced toolhead camera with innovative LED light options makes sure material edge and register marks are read without any effort. And of course, MultiZone is available on all Kongsberg Ultimate sizes.
- ☒ **Built to last**  
Kongsberg cutting tables, backed by over 50 years of legacy, are built for longevity, with many customers running their machines for 20 years or more.
- ☒ **Grow with automation**  
The Kongsberg Ultimate's modular design empowers businesses to invest based on their current requirements and easily scale up as their demands evolve. The Kongsberg Ultimate can be run semi-automated with a Feeder & Stacker, or completely automated with the Robotic Material Handler.



## Precision matters

Precision matters in every detail. With the Kongsberg Ultimate, we’ve ensured every detail meets your highest expectations.

- ☒ **Consistent cuts**  
Thanks to the innovative traverse beam on our wide-format tables (64 & 66), you can expect unwavering stiffness and a continuous 50 kg downforce for precise and consistent creasing.  
  
This design, paired with the capability to endure a 2.7 G force, ensures every cut is just as precise as the last.
- ☒ **Smooth & accurate movement**  
Our Kongsberg PrecisionDrive™ system promises precise motion every time. By integrating an infinite linear, high-torque motor with a rack and pinion setup, your cuts are smooth, accurate, and dependable.
- ☒ **Efficient & versatile**  
With the Kongsberg Ultimate, you have the flexibility of three tool positions, (one heavy-duty and two fast tools). This means continuous cutting with diverse capabilities - from cutting to creasing to perforating - all without the hassle of switching tools. Plus, compatibility with existing Kongsberg C Series tools means there are no added costs for new tooling.
- ☒ **A long-lasting performance**  
A strong foundation is key to precision. The steel-constructed Kongsberg Ultimate table ensures every movement is steady, guaranteeing accuracy with every cut. Designed to endure, these frames are built to last through continuous production cycles over many, many years.

## Maximal uptime

With the Kongsberg Ultimate table, you can have peace of mind knowing that your operations will run uninterrupted.

### ✓ Minimal maintenance

Thanks to a gearbox-free drive system design, you can expect more productivity between servicing intervals and less downtime. The fewer parts mean less can go wrong, ensuring your Kongsberg Ultimate table keeps running smoothly.

### ✓ Enduring craftsmanship

Kongsberg cutting tables are constructed with unparalleled build quality. Designed for the long haul, they guarantee stable and uninterrupted production for years to come.

### ✓ Round-the-clock support

Our comprehensive service plans are backed by global service teams. This ensures that your machine always operates at its peak, and if any issues arise, our rapid-response teams are ready to assist.

## Designed with the user at its core

The Kongsberg Ultimate is designed with the user top of mind. By integrating a whole slew of user-centric features, we aim to provide an unmatched and seamless experience for every operator.

### ✓ Intuitive interface

The iPC 3.0 interface, complemented by easily accessible buttons, simplifies the user's journey, making operations smoother and more intuitive. With strategically placed buttons directly on the machine, operators can make swift adjustments, ensuring continuous and efficient production.

### ✓ Organized tool management

The Kongsberg Ultimate's storage module ensures all your essential tools are organized and within reach, streamlining your workflow and reducing setup time.

### ✓ Open accessibility

Thanks to the SmartZone feature, there's no cage restricting access. Users can easily approach the machine from all sides, making loading and monitoring more convenient than ever.

## Sustainable, efficient & forward thinking

Choose the Kongsberg Ultimate cutting table for a sustainable, efficient, and forward-thinking approach to production.

### ✓ Eco-friendly & durable design

Our table design incorporates materials like powder coating which have a lesser environmental impact, promoting greener production. Furthermore, recycled aluminum is used in the design.

### ✓ Energy efficient

The Kongsberg Ultimate is designed to consume energy efficiently, helping businesses reduce their carbon footprint.

### ✓ Local sourcing

By sourcing as much as possible locally, we reduce transportation emissions and promote local economies, emphasizing a holistic approach to sustainability.

|                                                   | 24                                                                                                                                       | 44                                                     | 64                                                     | 66                                                     |           |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|-----------|
| Work area                                         | 1680 x 3200<br>66 x 126                                                                                                                  | 2210 x 3200<br>87 x 126                                | 3210 x 3200<br>126.4 x 126                             | 3210 x 4800<br>126.4 x 189                             | mm<br>in. |
| Work area, MultiZone production                   | 1680 x 1450<br>66 x 57                                                                                                                   | 2210 x 1450*<br>87 x 57*                               | 3210 x 1600<br>126.4 x 63                              | 3210 x 2210<br>126.4 x 87                              | mm<br>in. |
| Max. material size without conveyor               | 1780 x 3920<br>70 x 154.3                                                                                                                | 2310 x 3920<br>90.9 x 154.3                            | 3330 x 3920<br>131 x 154.3                             | 3330 x 5520<br>131 x 217.3                             | mm<br>in. |
| Max. material width with conveyor                 | 1680<br>66                                                                                                                               | 2210<br>87                                             | 3210<br>126.4                                          | 3210<br>126.4                                          | mm<br>in. |
| Max. material thickness                           | 30<br>1.18                                                                                                                               |                                                        |                                                        |                                                        | mm<br>in. |
| Traverse clearance,<br>excl. cutting underlay     | 50<br>1.97                                                                                                                               |                                                        |                                                        |                                                        | mm<br>in. |
| Feeder & Stacker production,<br>simultaneous mode | n/a                                                                                                                                      | n/a                                                    | 3200 x 1600<br>126 x 63                                | 3200 x 2200<br>126 x 86.6                              | mm<br>in. |
| Feeder & Stacker production,<br>sequential mode   | n/a                                                                                                                                      | n/a                                                    | 3200 x 2200<br>126 x 86.6                              | 3200 x 2200<br>126 x 86.6                              | mm<br>in. |
| Machine dimensions,<br>excl. workstation          | 2880 x 3980<br>113.4 x 156.7                                                                                                             | 3410 x 3980<br>134.3 x 156.7                           | 4430 x 3980<br>174.4 x 156.7                           | 4430 x 5580<br>174.4 x 156.7                           | mm<br>in. |
| Machine height (table-top)                        | 1415 (875)<br>55.7 (34.5)                                                                                                                |                                                        |                                                        |                                                        | mm<br>in. |
| Vacuum sections                                   | 8                                                                                                                                        |                                                        |                                                        |                                                        |           |
| Workstation dimensions                            | 900 x 804<br>35.4 x 31.7                                                                                                                 |                                                        |                                                        |                                                        | mm<br>in. |
| Workstation height (work-top)                     | 1704 (940-1040)<br>67 (37-41)                                                                                                            |                                                        |                                                        |                                                        | mm<br>in. |
| Max. linear speed (XY)                            | 167.5 m/min (2.8 m/sec)<br>110 IPS                                                                                                       |                                                        |                                                        |                                                        |           |
| Max. linear acceleration (XY)                     | 27 m/s <sup>2</sup> - 1059 in/s <sup>2</sup><br>2.74 G                                                                                   | 26 m/s <sup>2</sup> - 1023 in/s <sup>2</sup><br>2.65 G | 24.5 m/s <sup>2</sup> - 965 in/s <sup>2</sup><br>2.5 G | 24.5 m/s <sup>2</sup> - 965 in/s <sup>2</sup><br>2.5 G |           |
| Max. tooling speed (Z)                            | Heavy-duty tools: 15 m/min - 0.25 m/sec - 9.8 IPS<br>Fast tools: 45 m/min - 0.75 m/sec - 29.5 IPS                                        |                                                        |                                                        |                                                        |           |
| Max. tooling acceleration (Z)                     | Heavy-duty tools: 8 m/s <sup>2</sup> - 315 in/s <sup>2</sup> - 0.8 G<br>Fast tools: 22 m/s <sup>2</sup> - 866 in/s <sup>2</sup> - 2.22 G |                                                        |                                                        |                                                        |           |

\* Optional equal-zone table-top available for the Ultimate 44: 2210 x 1600 mm (87 x 126 in.)

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