

LOHMEYER

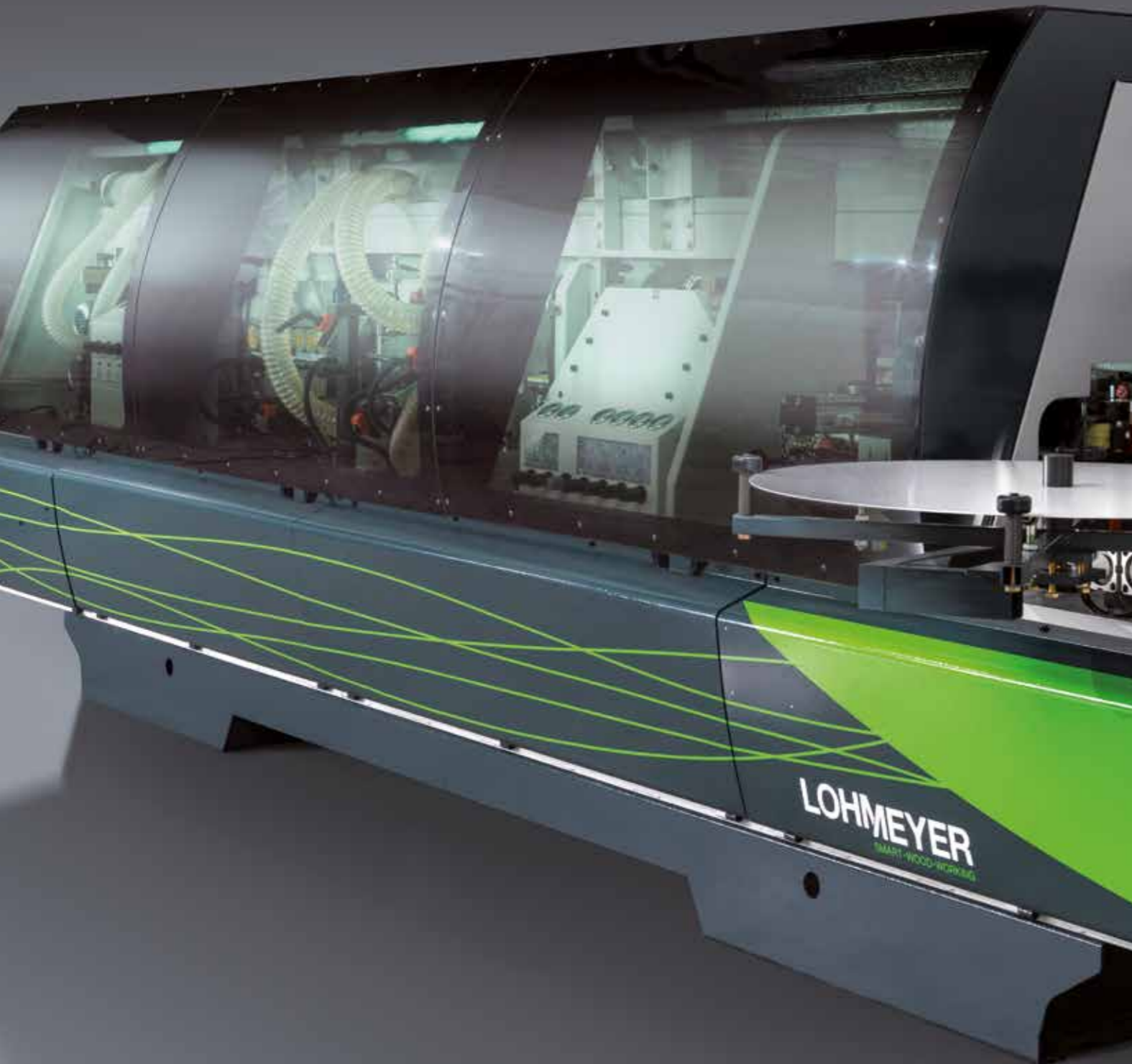
SMART • WOOD • WORKING



KAM 725 IQ • KAM 735 IQ • KAM 750 IQ • KAM 775 IQ

Pressure beam saw Sliding table saw CNC Machining center Edgebander

Wood IQ is your smart choice A good foundation means everything



We are Lohmeyer

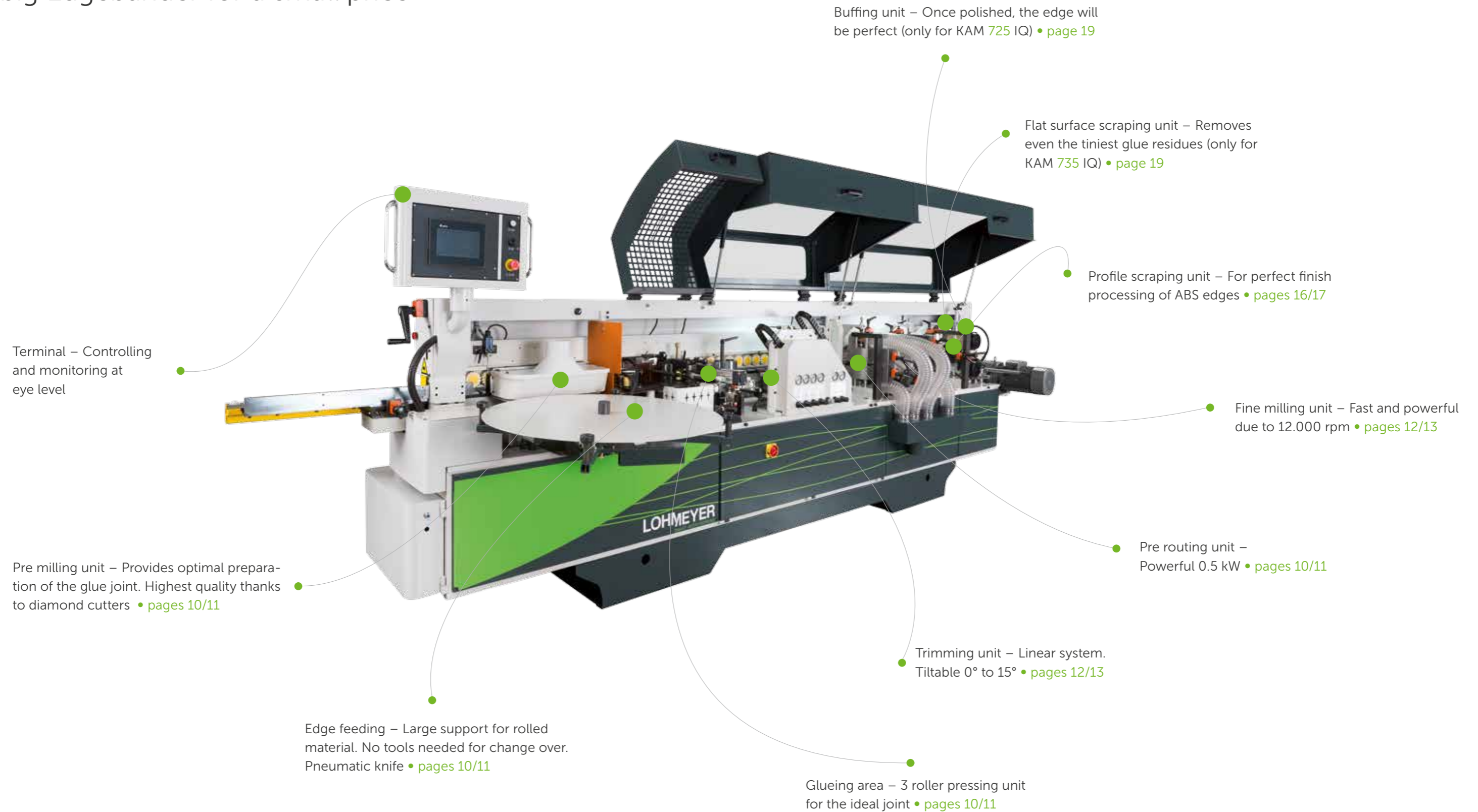
We are Tanja and Peter Lohmeyer, Lohmeyer machines' namesakes. As such, we stand for everything that distinguishes our Germany-based company. We comprise decades of brilliant market experience and a bold, uncomplicated approach that is intelligently and directly oriented towards one target: Making your business even more successful.

We achieve this via optimized, standardized Best Practice machines for smart wood working. That is why our company is called Wood IQ.

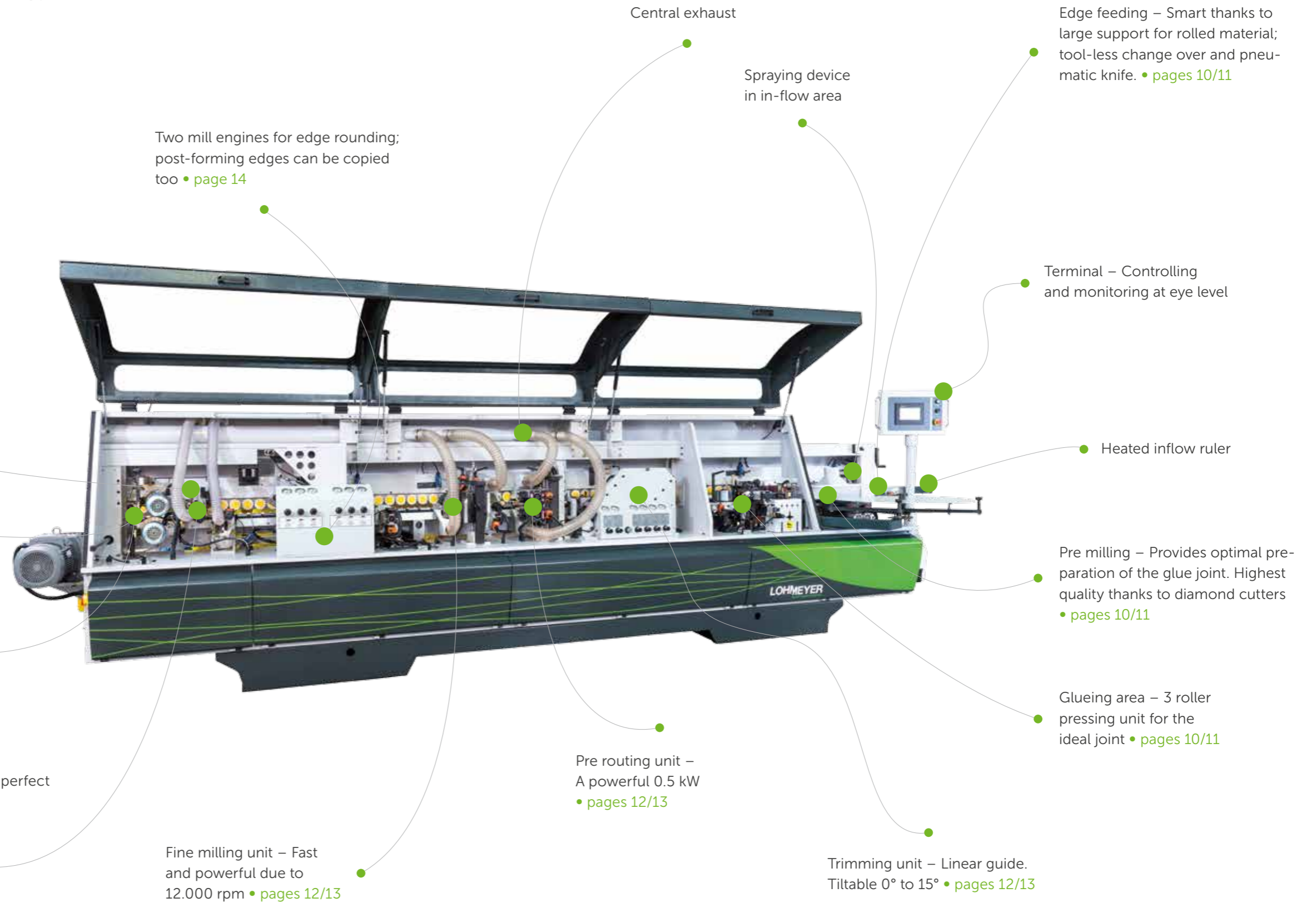
Our machines

Our smart KAM 7 IQ series edgebanders combine established quality with unrivalled cost effectiveness. This works because we cleverly combine various components: German engineering experts implement technical industry standards. European service providers ensure the continuous high availability of our products. And, our machines are manufactured with German and Japanese precision tools by the Nanxing company in China. Whether you want to expand your machinery or whether you want to buy replacement machines: Work smart. With Lohmeyer by Wood IQ.

KAM 725 IQ & KAM 735 IQ – A big Edgebander for a small price



KAM 750 IQ & KAM 775 IQ – Eight in One Sweep!



Spraying unit in front of buffing unit • [page 18](#)

Once polished, the edge will be perfect (only for KAM 750 IQ) • [page 19](#)

Surface scraping unit – Removes even the tiniest glue residues (only for KAM 775 IQ) • [page 19](#)

Profile scraping unit – For perfect finish processing of ABS edges • [pages 16/17](#)

Two mill engines for edge rounding; post-forming edges can be copied too • [page 14](#)

Fine milling unit – Fast and powerful due to 12.000 rpm • [pages 12/13](#)

Central exhaust

Spraying device in in-flow area

Edge feeding – Smart thanks to large support for rolled material; tool-less change over and pneumatic knife. • [pages 10/11](#)

Terminal – Controlling and monitoring at eye level

Heated inflow ruler

Pre milling – Provides optimal preparation of the glue joint. Highest quality thanks to diamond cutters • [pages 10/11](#)

Glueing area – 3 roller pressing unit for the ideal joint • [pages 10/11](#)

Pre routing unit – A powerful 0.5 kW • [pages 12/13](#)

Trimming unit – Linear guide. Tilttable 0° to 15° • [pages 12/13](#)

Workpiece handling – Workpiece transportation is the foundation for a good edge

- ✓ KAM 725 IQ ✓ KAM 735 IQ
- ✓ KAM 750 IQ ✓ KAM 775 IQ



In this position, the mechanical trigger releases the workpiece.



Work piece support for wide boards. Completely without floor support. Instead with easy width adjustment. Because it is just smart and simply better.



In this position, the mechanical trigger stops the feeding.

Mechanical inflow lock and optical signal

Mechanical inflow lock or optical signal? Why „or“ - we provide both!

Where other makes only have a flashing indicator lamp, we have fitted a mechanical stopper. For smart and reliable edge banding.

By the way: We placed the transport belt very close to the units for particularly narrow workpieces and high precision – test us!



Moveable – Handy – Smart.

Pre milling unit

- ✓ KAM 725 IQ ✓ KAM 735 IQ
- ✓ KAM 750 IQ ✓ KAM 775 IQ



*Let's start ...
... piece by piece to the perfect edge*

No chip outs thanks to climb cutting and jump spindles. Leuco high-performance diamond cutters guarantee a tearless top layer.



Pre milling unit / aggregate

The pre milling unit is provided with two powerful motors (2.2 kW) and prepares the glueing of the workpiece. The routers jump in/out pneumatically and work in up-cut or climb cut. The chip removal is precisely adjusted with a fine adjustment device.

Precise spraying of adhesive in front of the premilling aggregate prevents the glue from adhering on the plate.

- ✓ KAM 750 IQ ✓ KAM 775 IQ



Edge Feeding and Glueing

Fully automatic and user-friendly: That's how rolled and tape material is smartly fed. No tools needed for a change over. The pneumatic feeding roller ensures the edge material supply.

The high-quality pressing unit with three pressing cylinders provides a clean and strong pressing of the edge with the workpiece. The pneumatic roller runs synchronously to the feeding system. After the first contact, workpiece and edge are transported at the same speed with high pressure for a perfect glue joint.

Straight or Tilted Trimming



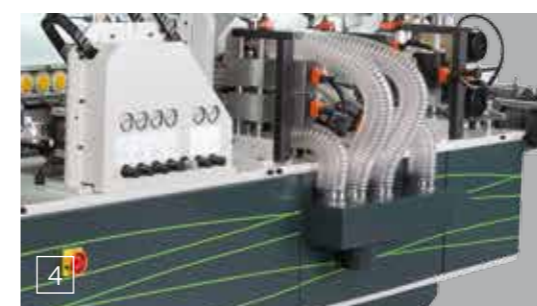
- 1 High-quality linear guide system and the tiltable trim units (2.5 kW, adjustment 0° to 15°). This ensures high precision, long life cycle and flush-trimmed edges. Travel and resistance can be adjusted separately via a manometer.
- 2 The KAM 7 IQ series units powered with 0.5 kW/12.000 rpm prepare the edge for the scraping unit and the copy unit (KAM 750 IQ / KAM 775 IQ). They enable the processing of even minimal workpiece widths due to their high-precision pressure system and their position close to the transport belt.

Pre- and Fine Routing

- ✓ KAM 725 IQ ✓ KAM 735 IQ
- ✓ KAM 750 IQ ✓ KAM 775 IQ



- 3 Chips are falling. No problem, since a smart central exhaust sucks the chips off the machines. Without any detours. The precise adjustment is executed manually via digital displays. Central exhaust at KAM 750 IQ / KAM 775 IQ.



- 4 Exhaust at KAM 725 IQ / KAM 735 IQ.

The Corner Rounding unit

- KAM 725 IQ
- KAM 735 IQ
- ✓ KAM 750 IQ
- ✓ KAM 775 IQ



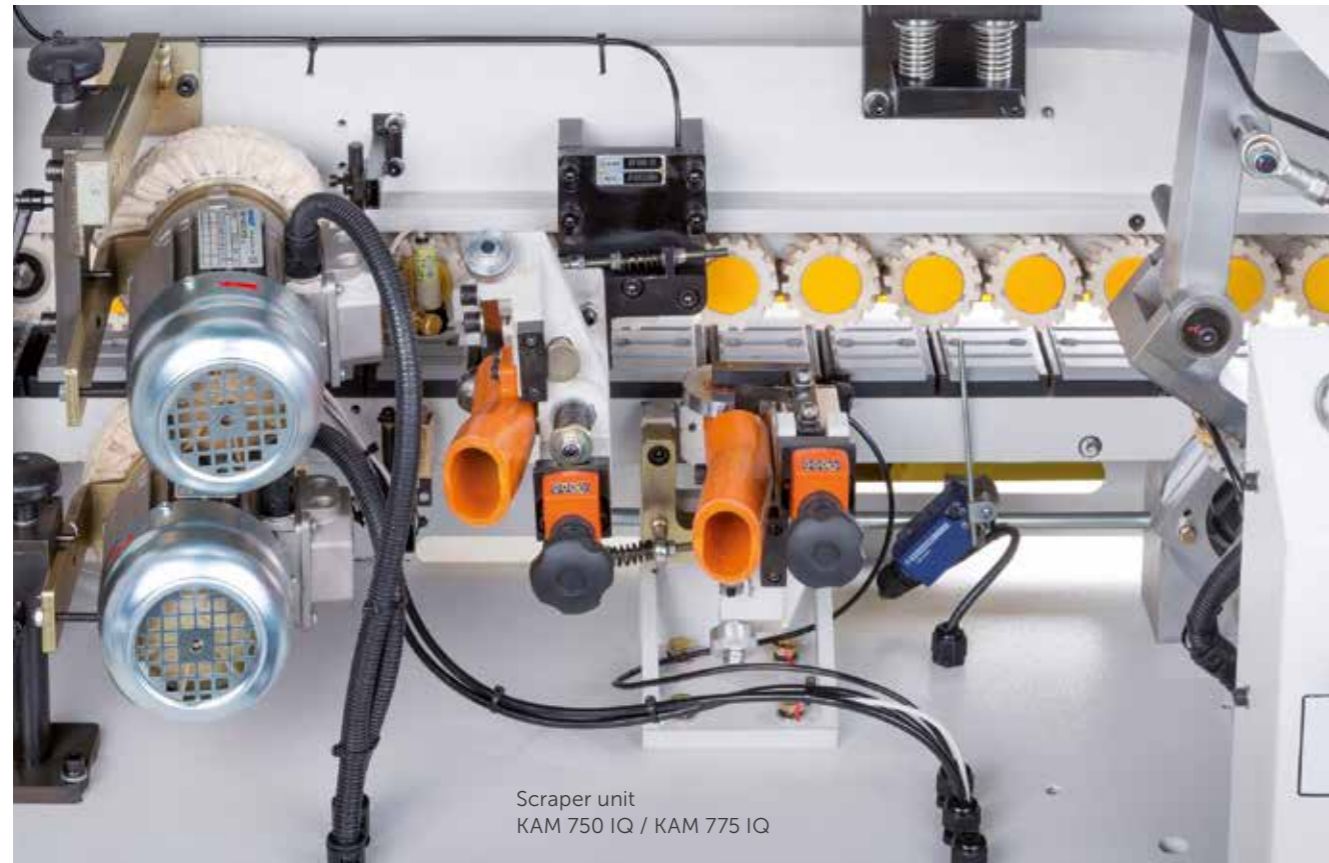
Two units process the variants – upside, downside, back, front – in order to make exact copies of profiles created before or of post-forming shapes.

The units are neatly arranged and easily accessible. With an engine power of 0.3 kW and 18.000 rpm, the copy units process everything in the corner section of KAM 750 IQ / KAM 775.



The Profile Scraping Unit

- ✓ KAM 725 IQ ✓ KAM 735 IQ
- ✓ KAM 750 IQ ✓ KAM 775 IQ



Scraper unit
KAM 750 IQ / KAM 775 IQ



*Almost there ...
... only a few more steps to the perfect edge*



Fine scraping unit
KAM 725 IQ / KAM 735 IQ



The profile scraping unit processes the previously fine routed edge. The scraping cut removes the planing blows.

Thanks to the Lohmeyer KAM 7 IQ series' scraping units, your synthetic edges get a uniform surface.

Spraying Device

- KAM 725 IQ ■ KAM 735 IQ
- ✓ KAM 750 IQ ✓ KAM 775 IQ



Precise Spraying Device

Precise spraying of the adhesive in front of the buffer unit. By using the appropriate adhesive, the edge radius is brought back to its original brilliance. This lets you achieve a high-end appearance in a smart way.

Buffing Unit

- ✓ KAM 725 IQ ■ KAM 735 IQ
- ✓ KAM 750 IQ ■ KAM 775 IQ



*The final stretch ...
... finally, buffing*

The buffing unit

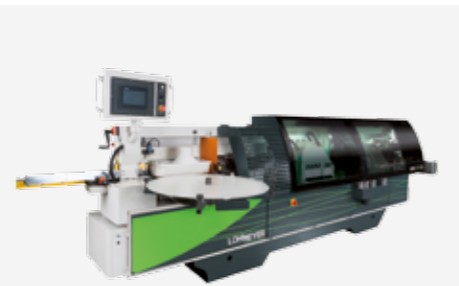
With 1.325 rpm, the edge material receives its final touch. All conventional fabric, sisal, and leaf wheels can be used with the KAM 725 IQ / KAM 750 IQ models.

The surface scraping unit

The KAM 735 IQ / KAM 775 IQ scraper removes the last remaining glue residues off the plate. Integrated wind nozzles remove the loosened material.

The KAM 7 IQ Series

Numbers, Data, Facts – Everything at a Glance



KAM 725 IQ



KAM 735 IQ

Pre milling unit	Pneumatic control · 2 engines Up-cut/climb milling · 2.2 kW · 12.000 rpm	Pneumatic control · 2 engines Up-cut/climb milling · 2.2 kW · 12.000 rpm
Edge banding magazine	Endless and strip material	Endless and strip material
Trim unit for endless edges	Knife	Knife
Glue station	EVA glue from beneath	EVA glue from beneath
Pressure zone	3 roller pressing zone, one cylinder driven	3 roller pressing zone, one cylinder driven
Trimming unit	Pneumatically · tiltable 0° to 15° · 0.5 kW · 12.000 rpm	Pneumatically · tiltable 0° to 15° · 0.5 kW · 12.000 rpm
Pre routing unit	1,1 kW · 12.000 UPM	1,1 kW · 12.000 UPM
Profile routing unit	0,3 kW · 12.000 UPM	0,3 kW · 12.000 UPM
Corner rounding unit	–	–
Flat surface scraping unit	–	✓
Fine profile scraping unit	✓	✓
Buffing unit	0,25 kW · 1.325 UPM	–
Spraying device	–	–
Feeding rate	3 kW · 12 to 20 m/min · infinitely variable	3 kW · 12 to 20 m/min · infinitely variable
Reference edge	Right side	Right side
Set-up dimensions	4.750 mm x 850 mm x 1.380 mm	4.750 mm x 850 mm x 1.380 mm



KAM 750 IQ



KAM 775 IQ

Pre milling unit	Pneumatic control · 2 engines Up-cut/climb milling · 2.2 kW · 12.000 rpm	Pneumatic control · 2 engines Up-cut/climb milling · 2.2 kW · 12.000 rpm
Edge banding magazine	Endless and strip material	Endless and strip material
Trim unit for endless edges	Knife	Knife
Glue station	EVA glue from beneath	EVA glue from beneath
Pressure zone	3 roller pressing zone, one cylinder driven	3 roller pressing zone, one cylinder driven
Trimming unit	Pneumatically · tiltable 0° to 15° · 0.5 kW · 12.000 rpm	Pneumatically · tiltable 0° to 15° · 0.5 kW · 12.000 rpm
Pre routing unit	1,1 kW · 12.000 UPM	1,1 kW · 12.000 UPM
Profile routing unit	0,3 kW · 12.000 UPM	0,3 kW · 12.000 UPM
Corner rounding unit	2 engines · 0.3 kW · 18.000 rpm	2 engines · 0.3 kW · 18.000 rpm
Flat surface scraping unit	–	✓
Fine profile scraping unit	✓	✓
Buffing unit	0,25 kW · 1.325 UPM	–
Spraying device	In front of joining unit · In front of buffer unit	In front of joining unit
Feeding rate	3 kW · 16 to 22 m/min · slow/medium/fast	3 kW · 16 to 22 m/min · slow/medium/fast
Reference edge	Left side	Left side
Set-up dimensions	6.100 mm x 850 mm x 1.650 mm	6.100 mm x 850 mm x 1.650 mm

KAM 7 IQ Series

Workpiece and Edge Parameters

- ✓ KAM 725 IQ
- ✓ KAM 735 IQ
- ✓ KAM 750 IQ
- ✓ KAM 775 IQ

Workpiece thickness	
• without pre-milling/without corner rounding	min. 10 mm – max. 60 mm
• with pre-milling	min. 10 mm – max. 38 mm
• with corner rounding	min. 10 mm – max. 45 mm
Workpiece width	
• without corner rounding	min. 60 mm
• with corner rounding	min. 130 mm
Workpiece length	
• without corner rounding	min. 120 mm (PVC)
• with corner rounding	min. 140 mm
• pre milling	min. 320 mm
Edge material	
• without corner rounding	0,4 mm – 15mm*/10 mm
• with corner rounding	1,2 mm – 3 mm
	* only for KAM 750 IQ / KAM 775 IQ
Electric equipment	
• Operating voltage	400 V – 3 phases – 50 HZ
• Frequency converter	Electronically with brake function

*All machines pictured CE-compliant
The machine's equipment may vary
from country to country. Subject to
technical alterations.*

Wood IQ GmbH · 08/2013

Wood IQ GmbH
Our Service – Just Smart



For detailed information on the edgebander and other machines for cabinet manufacturing please refer to www.lohmeyer-iq.com.

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