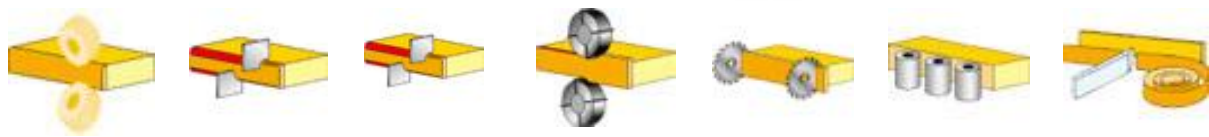


# Automatic Edgebander

## NikMann

### KZM 6TM4



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All photos in this quotation are for illustration purposes only



## Automatic Edge Bander NikMann KZM 6TM4

### GENERAL FEATURES

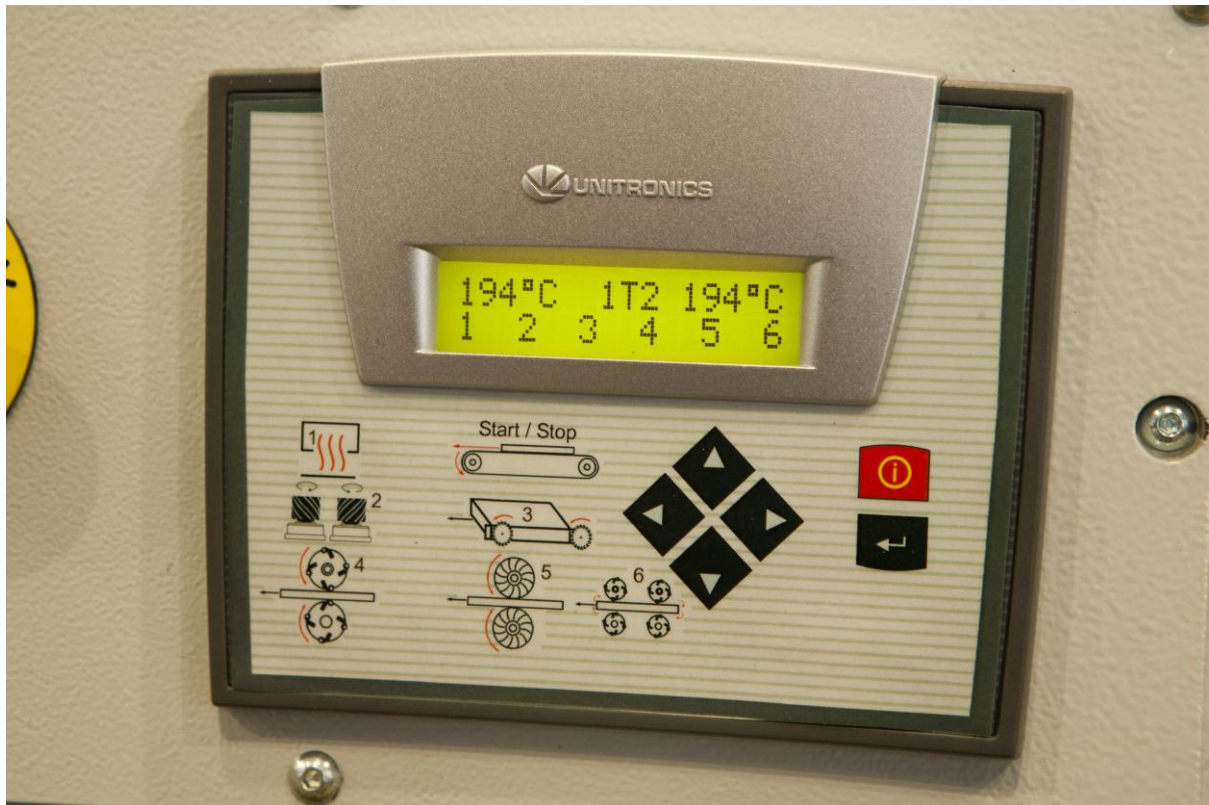
The NikMann KZM 6TM4 - is applicable for the linear plane edge banding of medium density fibreboard (MDF), flake board, cabinetwork board, solid wood board and etc. The materials of the edge can be ABS, PLC, wood veneer, wood strip or melamine.

Feed track speed	9.5 m/p/m
Panel thickness	8 - 45 mm
Edge thickness	0.4 - 3 mm
Minimum panel length	100 mm
Minimum panel thickness	8 mm
Minimum panel width	100 mm
Air Pressure	6.5 bars
Power	6.7 Kw
Overall dimensions	3420 x 1220 x 1300 mm



## CONTROL UNIT

Electronic regulation of the glue temperature. Automatic lowering the temperature of the glue at recess. Easy On/Off buttons.

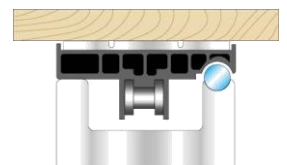
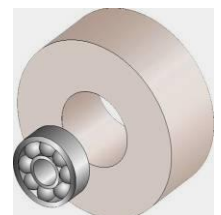


## PANEL MOVEMENT SYSTEM

The machine is equipped with a top steel pressure beam with two rows of rollers with sealed bearings. The two rows of rollers ensure the work pieces are firmly clamped. The pressure beam is manually adjusted for panel height and has a mechanical digital readout. The operating units are adjusted automatic when the pressure beam height is adjusted.

The feed track is composed of a chain and blocks with a special manual centralised lubricating system. The blocks are coated with vulcanised anti-wear rubber with high friction capacity to guarantee the clamping of the panel.

The chain track slides on a high precision guiding system with two steel guides, one round and one flat, to ensure straightness of movement and resistance to side loading. The panel loading system has a large support surface to facilitate also the positioning of large panels.





## DESCRIPTION OF OPERATING GROUPS

### GLUE UNIT, LOADING AND PRESSURE SYSTEM

The Gluing unit is designed for hot melted glue with a Teflon-coated glue pot to allow quick and easy glue replacement & maintenance.

The temperature of the knurled spreading roller and on the main glue pot is constantly checked. The glue pot automatically lowers the temperature to avoid over heating of the glue. The glue roller has a device for adjustment of the quantity of glue.

Heating time	12 minutes
Glue capacity	1.5 kg

Automatic strip feeding material in rolls or strips.

Heavy duty guillotine for cutting of coiled edges up to 3 mm.

Two independent pressure rollers which are slightly tapered, one on the top and one on the bottom so pressure can be applied on the edge to ensure the best possible finish. The pressure roller group has adjustment for the thickness of the edge material and is equipped with mechanical digital position indicator.





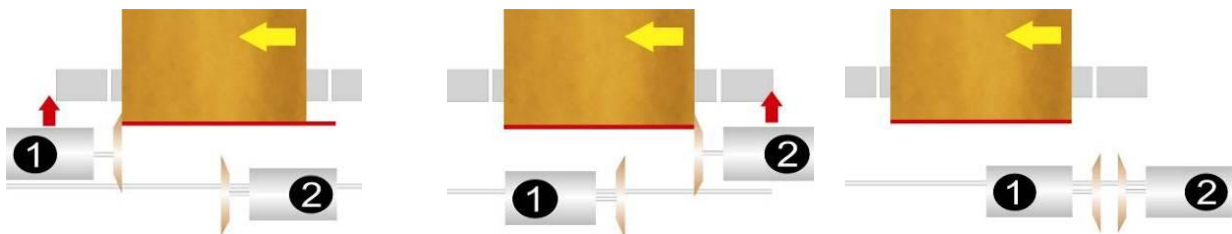


## END CUTTING UNIT

The end cutting unit is equipped with two high frequency independent Italian motors to cut the front and rear edges. The high precision and heavy duty end cutting unit movement of the two motors on prismatic guide ways with preloaded linear bearings. Each operating motor is equipped with copying device for an accurate positioning of blades in relation to the cutting point.

Blade speed  
Motor size

12,000 r/p/m  
2 x 0.2 Kw





## TOP AND BOTTOM TRIMMING UNIT

The unit is equipped with two high frequency motors for trimming, chamfering, and rounding of the edges. The cutters have a radius of 2 mm and can easily be changed.

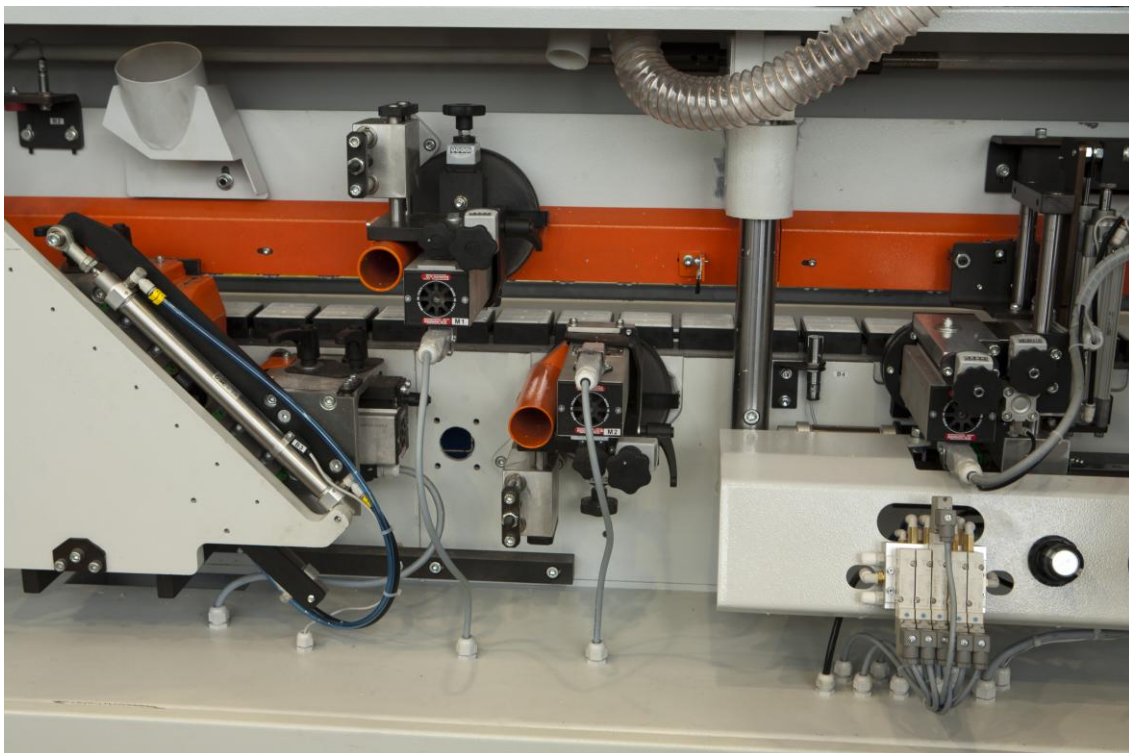
The unit has both vertical and horizontal copying device with large rotating disc. All the copying disks have ground contact surfaces to ensure the high precision of the trimming units.

Mechanical digital indicator for fine tuning adjustment

Device for rapid removal of the cutters  
Quick manual exclusion of unit

Rapid release of motors both electrical and mechanical

Rotation speed	12,000 rpm
Manual tilting	0-25°
Motor size	0.55 Kw
Cutter size	70 x 20 x 16 mm
Number of tips	4

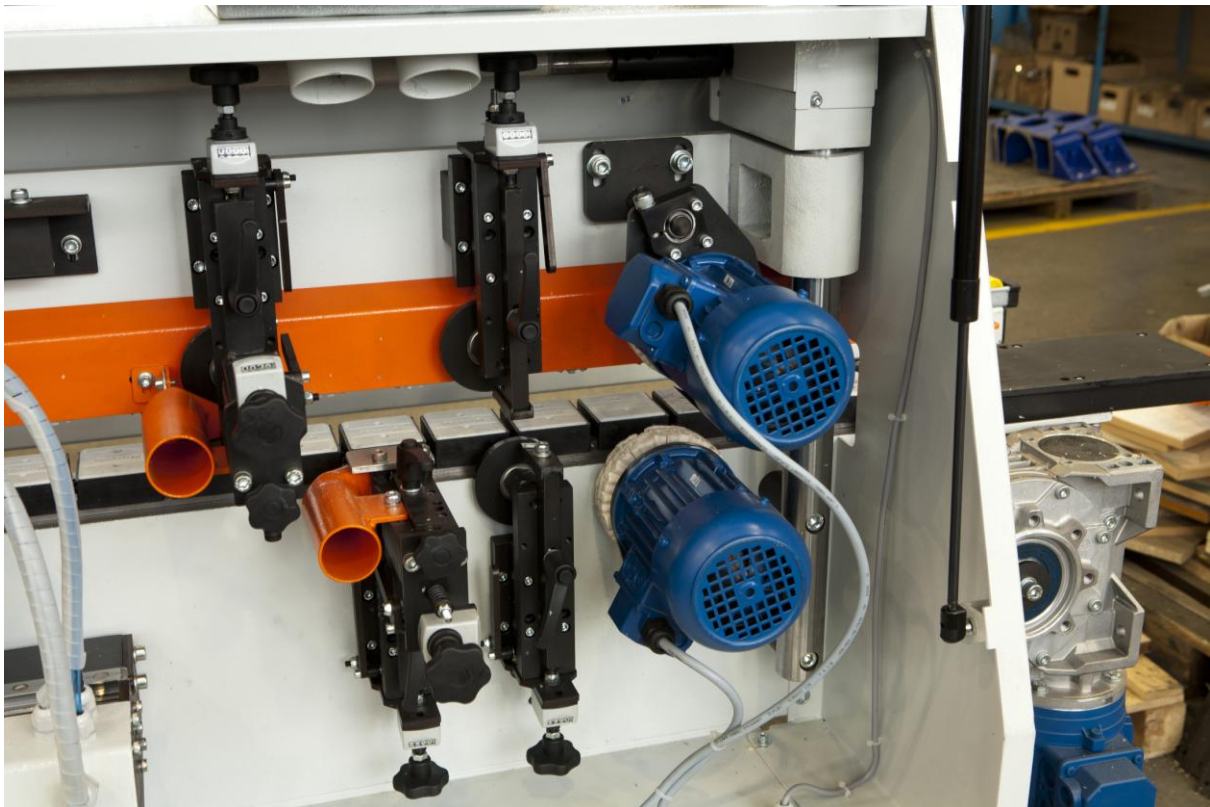




## EDGE and GLUE SCRAPING UNITS

The machine is equipped with the edge and glue scraping units for the finishing of both PVC and ABS edges. The units have both horizontal and vertical copying . The units are complete with mechanical digital indicators to the ease of adjustment for both the horizontal and vertical copying plates.

The edge scraping unit is complete with 2mm radius knives.







## BRUSHING UNIT SPN

The brushing unit has two motors for the cleaning and polishing of the edges and has horizontal and vertical tilt able motors.

The buffing wheels rotate in the same direction as the panel feed system to reduce friction on the panel which can damage the panels edge & shorten the life span of the buffing wheels.

Motor rotation

3,000 rpm

Motor size

2 x 0.25 kw

