



**Edge Banding Machines**  
**Optimat KD 75 + KD 76 F**  
**Optimat KD 77 C + KD 78 CF**

The new machine  
concept for edge  
thickness up to  
12 mm



# Perfect edges for demanding customers

## Optimat: High-Tech does not have to cost more

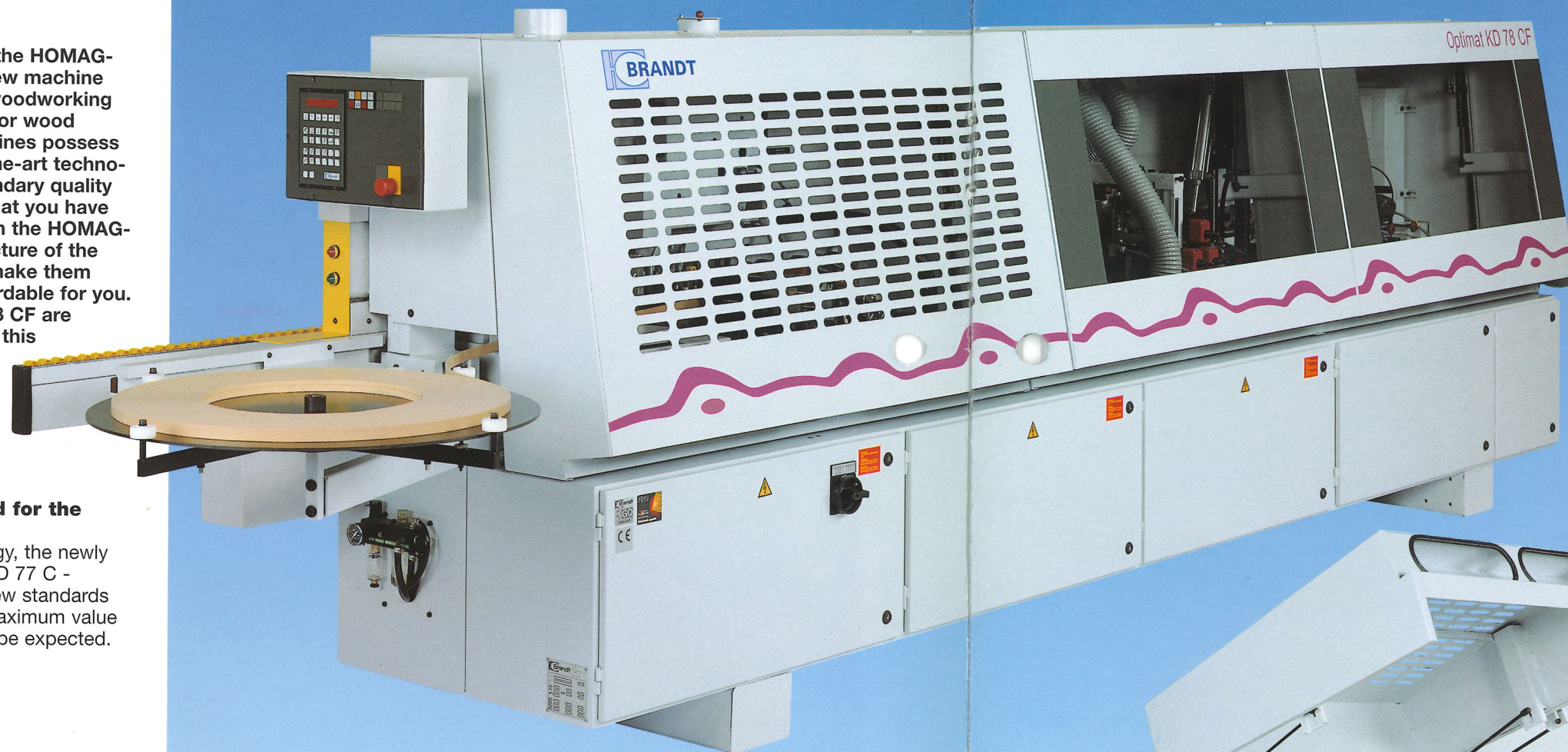
With the "Optimat" the HOMAG-Group presents a new machine generation for the woodworking industry as well as for wood craftsmen. All machines possess the same state-of-the-art technology, the same legendary quality and dependability that you have come to expect from the HOMAG-Group. The manufacture of the Optimats in series make them decidedly more affordable for you. The KD 77 C - KD 78 CF are perfect examples of this new exemplary value for money.

## Machines designed for the future

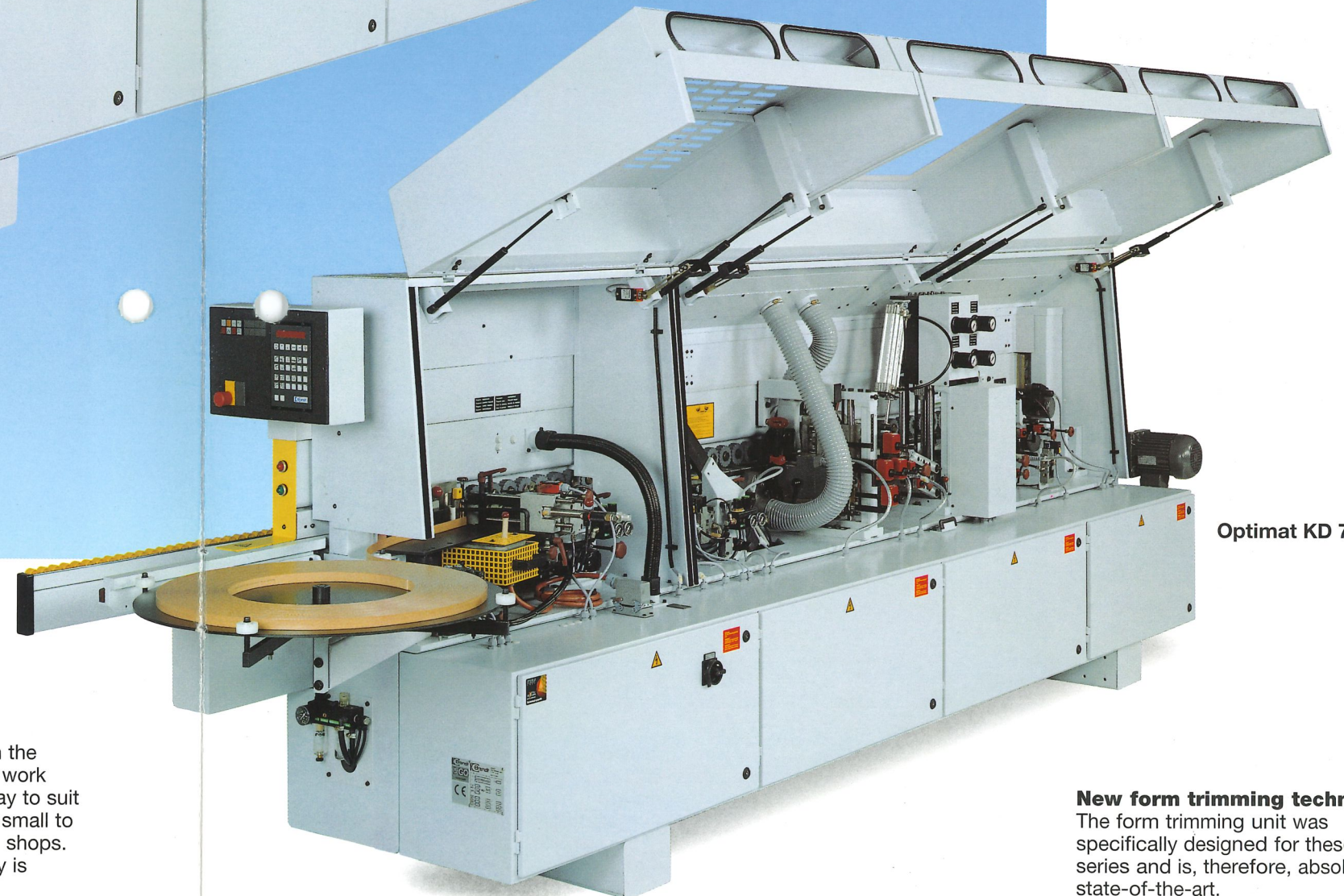
Besides the technology, the newly developed Optimat KD 77 C - KD 78 CF have set new standards in machine design. Maximum value over many years can be expected.



**BRANDT**



Optimat KD 78 CF



Optimat KD 77 C

## Processing variety

The four machines shown in the brochure are equipped with work station combinations in a way to suit the needs of the majority of small to medium sized woodworking shops. An optimum of gluing quality is another common feature.

## New form trimming technology

The form trimming unit was specifically designed for these new series and is, therefore, absolutely state-of-the-art.



# User friendly processing units



## High Capacity processing units for flexible production

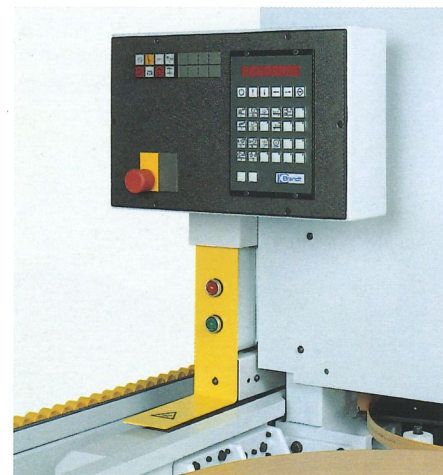
All of the processing units share the same high precision - the basis for optimal processing quality. Quickly changeable, low maintenance construction as well as high safety standards are additional features.

### 1. Jointing Trimming Unit (only KD 76 F + KD 78 CF)

Two trimming motors each 2,2 kW, 12.000 rpm, synchronous/opposite rotation, equipped with standard diamond joint cutter heads. For follow-up trimming of sawn workpiece edges in order to achieve optimal edges quality.

### 2. Standard Gluing Unit

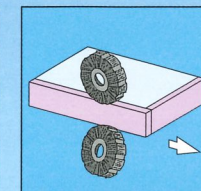
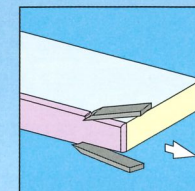
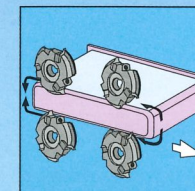
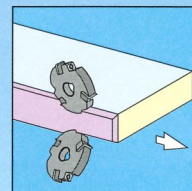
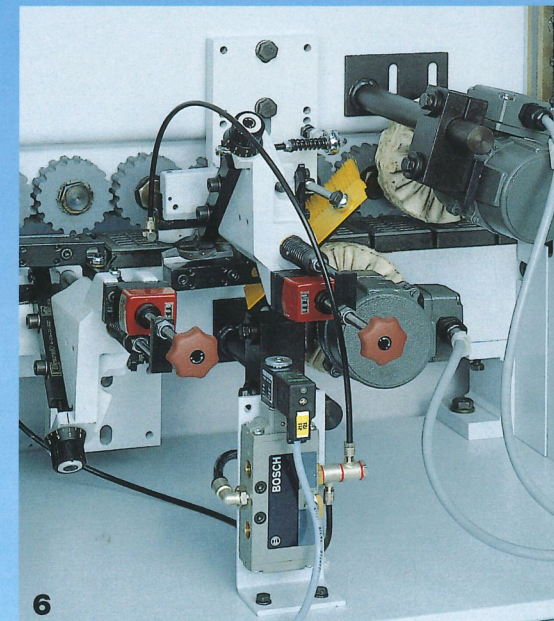
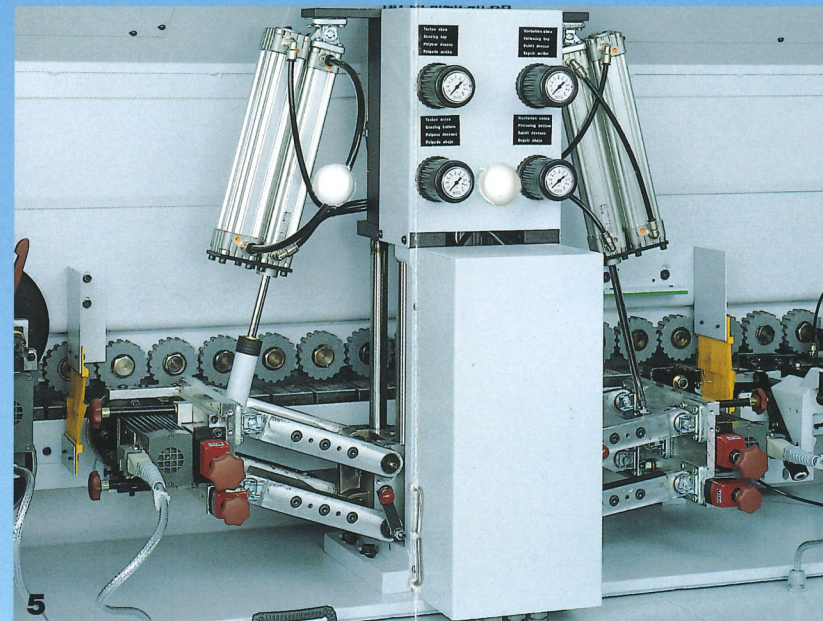
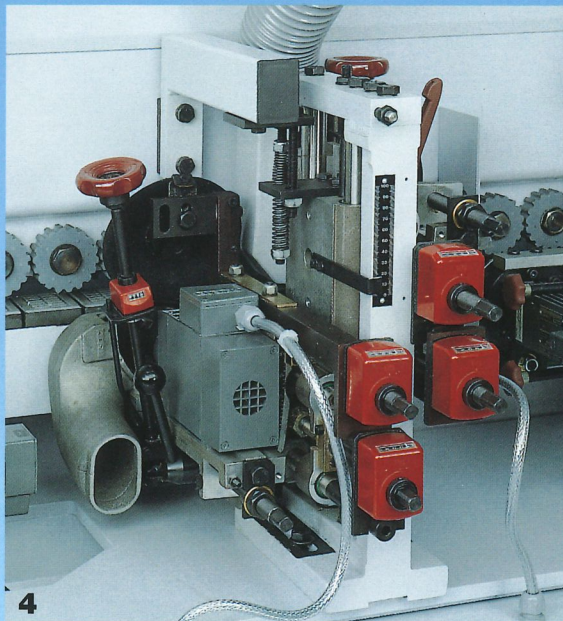
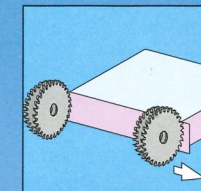
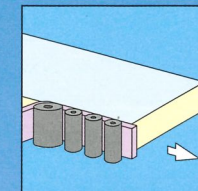
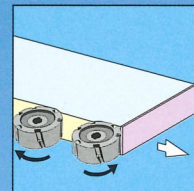
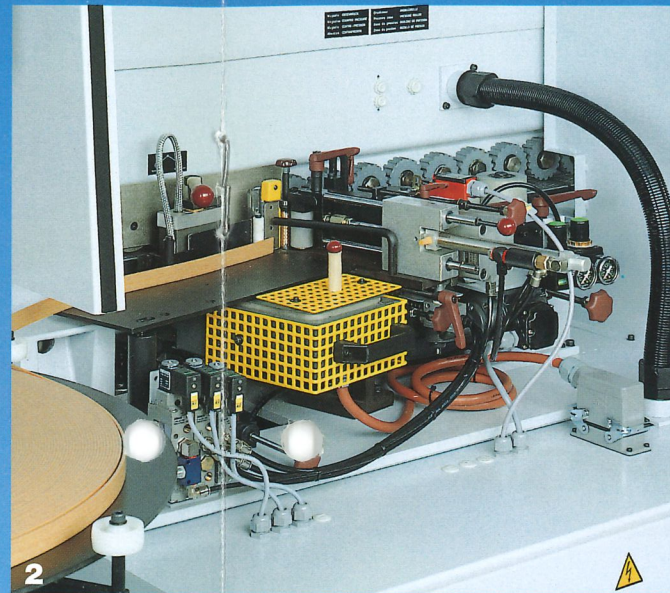
Leak-proof quick heating pot (QUICKMELT available as option). Infra-red radiator. Automatic edge infeed for rolls and strips.



The newly developed modular control system is very user-friendly in addition to offering optimal service ease. Both machines are already fully equipped for remote servicing via modem - the wave of the future. The red/green traffic mode controls show the operator when the next workpiece can be loaded.

### Additional Highlights:

- Electronic line control
- Automatic temperature reduction during extended working breaks
- Infra-red heat radiator for glue activation when working with problematic materials
- Electronic frequency changer including automatic motor braking
- Central chain track lubrication



### 3. End Trimming Unit Chamfer/Straight

Two trimming motors each 0,35 kW, 12.000 rpm. Drawing cut for high accuracy, high precision linear guidance.

### 4. Flush Trimming Unit

Two trimming motors each 0,55 kW, 12.000 rpm, swivelling from 0 - 25 degrees. Equipped with reversible combination cutting tools radius/straight. Digital counter for quick adjustments.

### 5. Form Trimming Unit

For rounding corners of thick PVC edges as well as narrow edges on postforming and softforming parts. Two motors each 0,35 kW, 12.000 rpm, equipped with reversible tip-radius cutting tools R = 3 mm.

### 6. Scraper/Buffering

For smoothing pretrimmed thick PVC edges (radius or chamfer) to remove cutter marks as well as for final finishing.

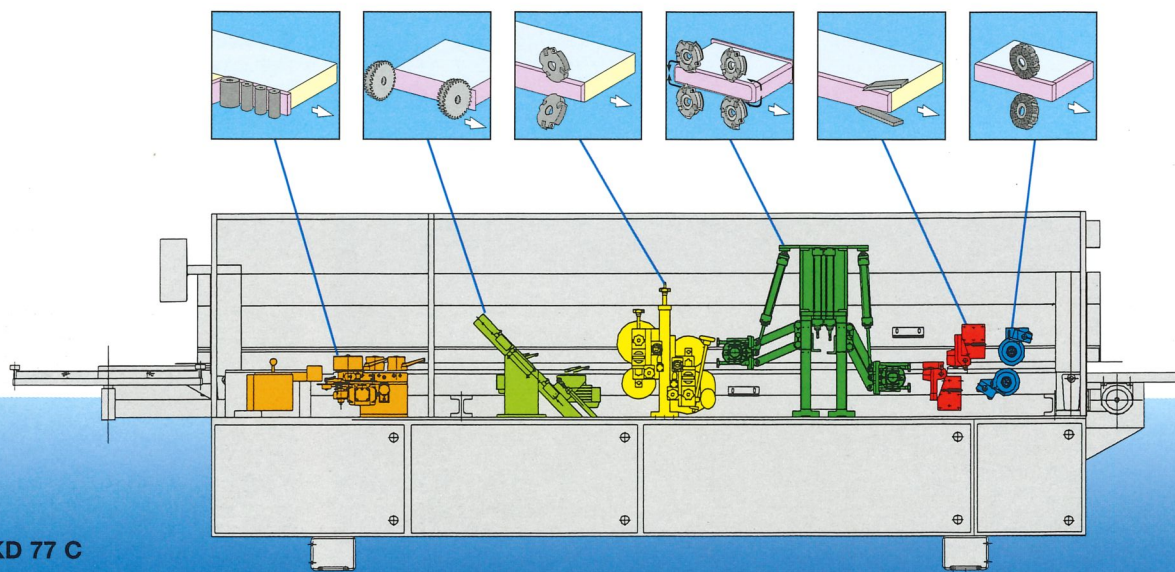
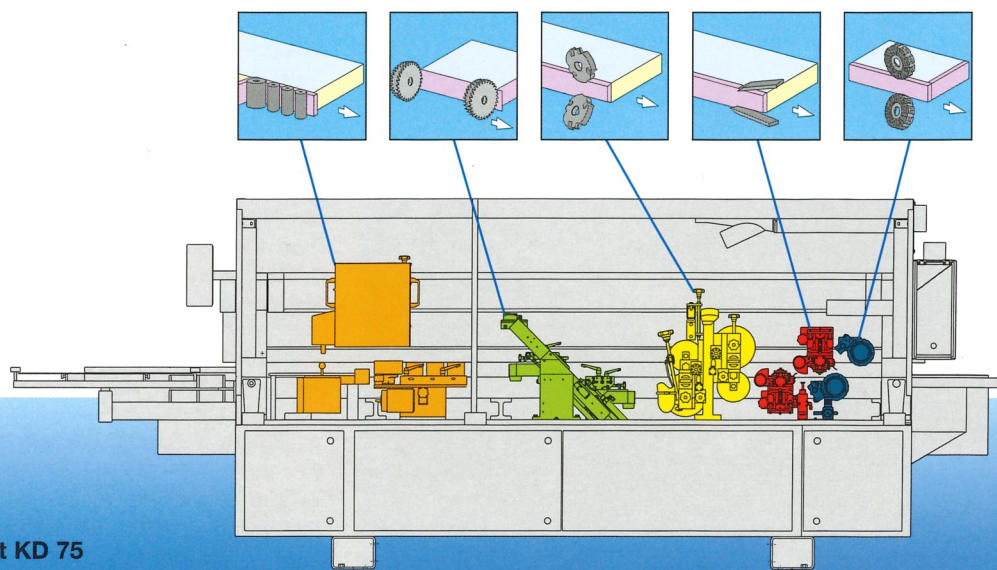


### QUICKMELT

As an option, the KD 77 C - KD 78 CF can be equipped with the proven, glue saving QUICKMELT-system. Fresh hot-melt being always available, QUICKMELT considerably reduces the heating time. All commercially available edge hot-melts in granulates form can be used.



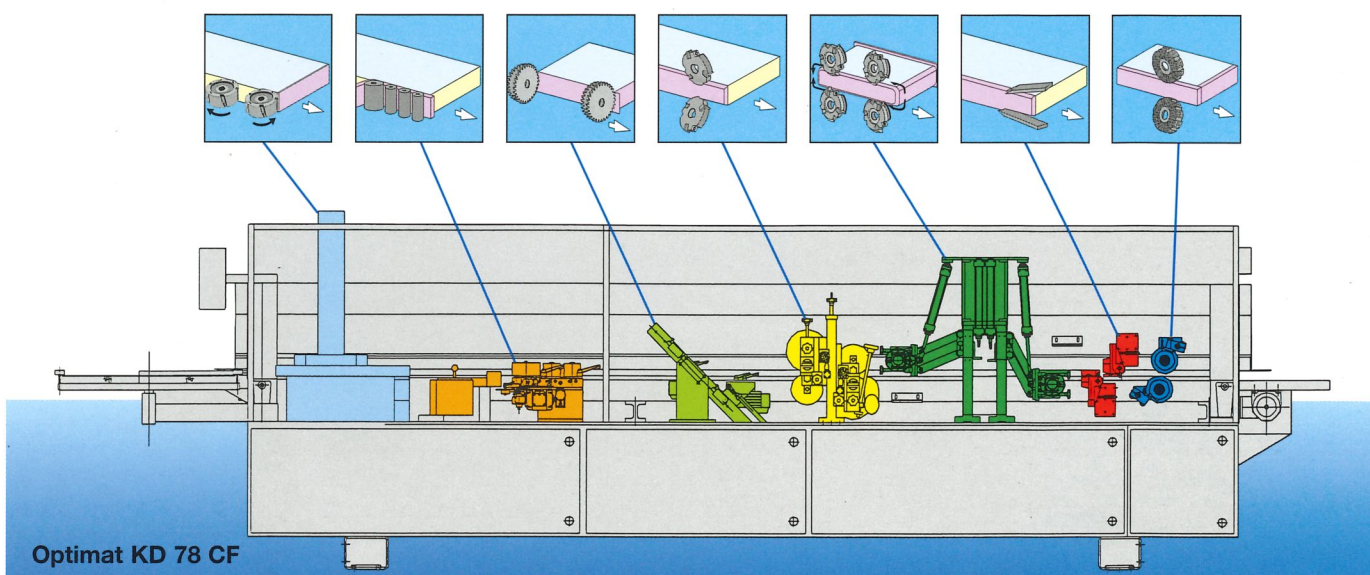
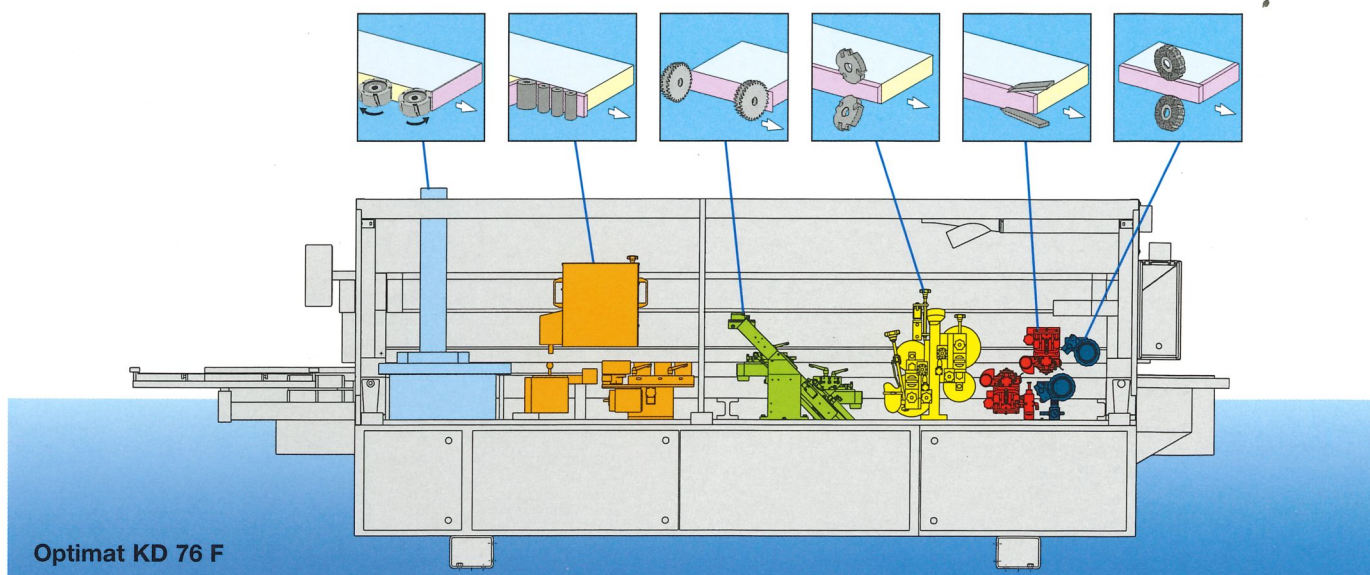
# Technical Data



	KD 75	KD 76 F	KD 77 C	KD 78 CF
Machine length (mm)	4740	5240	5740	6240
Connected load (kW)	12	17	12	18
Weight (kg)	1550	1950	2200	2400
Extraction diameter (mm)	1 x 100	1 x 100	1 x 100	1 x 100
	1 x 120	2 x 120	1 x 120	2 x 120
Feed speed (m/min)	14	14	14 / 11	14 / 11
Machine dimension W x H (mm)			1320 x 1630	
Workpiece thickness (mm)			8 - 50	
Workpiece width (mm)			65	
Workpiece length (mm)			160	
Edge thickness (mm)			0,4 - 12	
Coil cut off (mm)			max. 3 x 45 / 0,8 x 60	
Working height (mm)			890	
Electric connection			400 V - 3 Ph. - 50 Hz.	
Pneumatic connection			7 bar	
Noise emission level			84/85 dBCA	

All rights for technical changes withheld. Individual machines shown could include options.





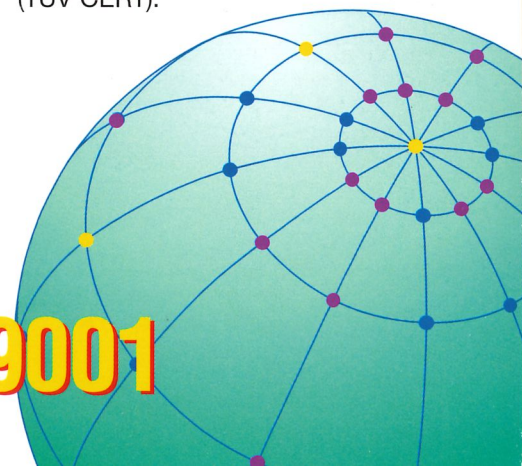
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**Excellent quality**

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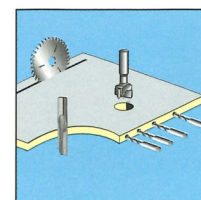
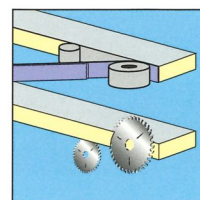
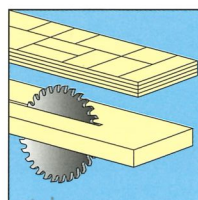
**DIN EN ISO 9001**



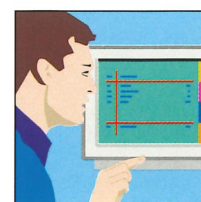
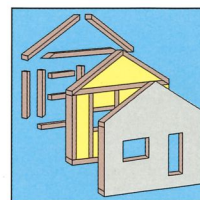
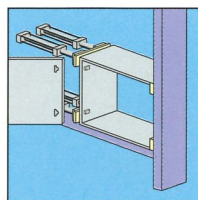
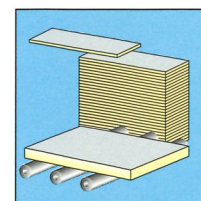
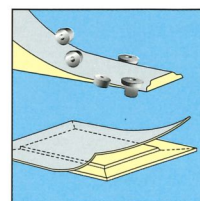
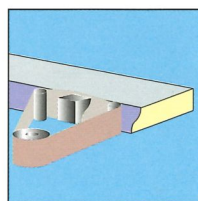
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