



*The Expert in Wood Surface Finishing*

# NEW PRODUCTS

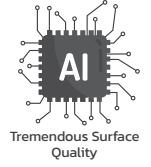
➤ TZM 1300 EJDER • FZM 603 FLEXA • KZM 3

“ innovation for shaker doors ”



# KR TSM 1300 EIDER

## Smart Surface Sander



Thanks to its flexible processing system, KR TSM 1300 can be used for sanding the flat surfaces of the panels, pockets in the best way and with high-precision. It operates well for MDF and veneered cabinet doors as well as wider products such as shaker doors. In addition to Eider's sensitive and flexible structure, it also allows fine sanding (up to P3000 grit) before sanding on painted products to create high gloss finishes. With integrated image processing technology (Kavision) Eider can detect the piece in the entrance. To create an ideal surface finishing, KR TSM 1300 EIDER includes 4 independent servo-controlled robotic arms and it operates them regarding the features of the process with its artificial intelligence. It can decide a division of labour between those integrated robots. These arms, which move in orbit with a pressure sensitivity of 150gr and a speed of 12,000 rpm, provide tremendous surface quality. Because AI leads the circulation of the sanding motors and the robot oscillation speed, regarding to the product type, the processing pieces are operated equally and precisely in every section ( including flaps and pocket).



**new  
Product**

### Technical Specifications

Weight:	4500 kg
Electricity Consumption:	27.5 kWh
Grounding Resistance:	<1 Ω
Dimensions:	L: 5490 mm W: 2420 mm H: 2300 mm
Air Consumption:	310 L/min
Air Pressure:	6 bar
Dust Flow:	12.500 m <sup>3</sup> /hour
Dust Collection Speed:	30 m/s
Dust Total Working Height (Effective):	3-200 mm
Working Width (Effective):	150-1300 mm
Working Length (Effective):	Unlimited
Conveyor Speed (Maximum):	8 m/min (Inverter Controlled)
Usable Sanding Ranges:	P80-P3000

## IMAGE PROCESSING TECHNOLOGY KAVISION

With the Image Processing Technology (kavision) scans much more precisely than other scanning systems and ensures that its products are perfect. It enables the use of Image Processing Technology learning method. With this method, you can determine the areas you want to sand on the piece and sand them, or you can only sand the areas outside your variability area from the interface.



## CONTROL SYSTEM

All control of the machine is provided via 15" IPC (industrial computer). Thanks to this IPC, deterioration rates, daily operating data (pieces, m2, etc.) and malfunction records of the entire machine are stored. It provides remote access and control of data. All production data can be tracked online with the optional IOT system. Daily production records can be collected regularly and presented to the factory's management system or management. (via e-mail or SMS)



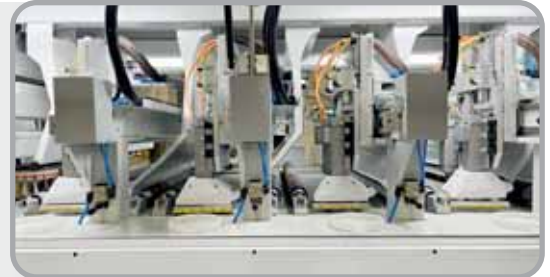
## CONICAL DISC SANDING UNIT

The products entering the machine are first sanded inside the profiles with 9 pieces oscillating disc sanders arranged asymmetrically. The rotation speeds and pressing positions of this unit are automatically regulated on the screen.



## ROBOT ARM SANDING SYSTEM

This unit contains 4 mobile orbital sanding robots whose pressure intensity, sanding speed and robot oscillation speed can be adjusted. Each robot has 2 automatic independent orbital sanding motors. One of these motors has a round and the other has a rectangular sanding pad. The piece properties are recorded by the system, sanding pressures are automatically adjusted, taking into account the differences in height and edges of the product. Smart abrasion is achieved in this way.



## VACUUM CONVEYOR

Vacuum system ensures that they maintain their durable positions on the quality welding belt. Vacuum particles also have rubber-coated pressure rollers between each unit.



## MOVABLE BRUSH UNIT FOR DUST CLEANING

The sanding dust on the product was wiped by this equipment before leaving the machine.



## AUTOMATIC LUBRICATION SYSTEM

The linear rails and bearings on which the robot arms move are lubricated at adjustable periods, thus ensuring trouble-free and long-lasting operation thanks to the Automatic Lubrication System offered as standard.

“ meet compact **robust sander**  
**for small** to mid-scale company  
owners and DIY **professionals** ”



## KR FZM 603 FLEXA

### Brush Sanding Machine

*new*  
**Product**

Developed for raw and primer sanding of rustic and CNC carved surfaces, KR FZM 603 Flexa Brush Sanding Machine achieves successful results even on the most difficult surfaces with its flexible sanding feature.



### DISC BRUSH SANDING UNIT

This unit consists of 4 disc brush sanders arranged asymmetrically. The sanding pressure position and rotation speed of the unit can be adjusted steplessly.



### CROSS BRUSH SANDING UNIT

This unit consists of two brush sanding pallets rotating in opposite directions. Sanding rotation speeds and pressing positions are infinitely adjustable.



### CYLINDRICAL BRUSH SANDER UNIT

This unit consists of a cylindrical brush sander. The sanding pressure position and rotation speed of the unit can be adjusted steplessly.



### VACUUM CONVEYOR BELT

Vacuum conveyor belt allows products shorter than 1 foot to move on the conveyor belt without losing their position.



### Technical Specifications

Weight:	1050 kg
Dimensions:	L: 2300 mm W: 1360 mm H: 1781 mm
Electricity Consumption:	5.2 kW/h
Grounding Resistance:	<1 Ω
Dust Suction Ports:	3 - Ø 108 mm
Total Dust Collection Requirement:	2500 m³/h
Working Speed:	1-8 m/min
Max. Product Width:	600 mm
Min. Product Length:	300 mm
Max. Product Height:	70 mm
Available Sandpaper Grit Range:	P80-P400

“ save **money** and **time** with compact universal **edge sander** ”



## KR KZM 3

### Edge Sanding Machine

*new*  
**Product**

KR KZM 3 Edge Sanding Machine is used for sanding the edges of doors, covers and modular furniture pieces. Thanks to flexible and mobile sanding units, raw and primer sanding of flat, chamfered and radial edges is carried out perfectly.

### DISC BRUSH SANDING UNIT

1 Disc Brush Sander, with adjustable height, distance and rotation speed, sands the radius or corners of the edge.



### OSCILLATORY ORBITAL SANDING UNIT

The system consisting of 2 orbital sanding motors is used for raw and primer sanding of straight edges. It performs economical and high-quality sanding thanks to its oscillatory operation. Printing intensity and sanding start-end offsets can be adjusted automatically.



### CONTROL SYSTEM

The positions of all sanding units and upper clamping wheels are adjusted manually. Conveyor, orbital sander and brush sander rotation speeds are adjusted from the touch screen.



### Technical Specifications

Weight:	750 kg
Dimensions:	L: 2530 mm W: 928 mm H: 1800 mm
Electricity Consumption:	5 kW/h
Dust collection requirement:	1000 m <sup>3</sup> /h
Working Speed:	1-10 m/min
Min Product Width:	120 mm
Max Product Width:	2000 mm
Max Product Height:	70 mm
Max Product Length:	Infinite
Min. Product Length:	150 mm

WOOD FILTRATION SANDER DISCOVERY CLEANING GENERATION OSCILLATORY COLOR PAINTING PROFESSIONAL KZM3 TECHNOLOGY QUALITY FAST CHANGE KA-MA RECYCLE OSCILLATORY VENTILATION SCANNING QC LAMINAR C  
FEEDING INNOVATIVE WELCOME PROJECT KBOTIC VACUUM FINISHING AUTOMATIC DRYING KAVISION SMART ENGINEERING SPRAYING