

FLASH

"the unique one"

Edge sanding in his highest perfection



SANDING IDEAS – IDEAS TO GET THE JOB DONE !



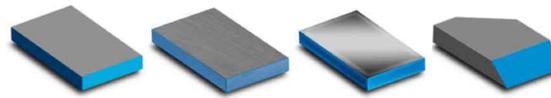
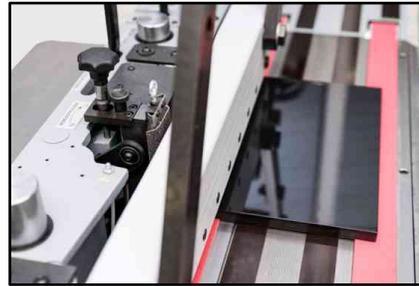
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ADVANTAGES:

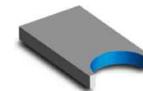
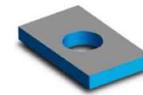
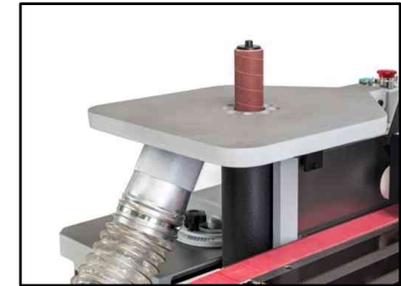
- ✓ PLC controlled with colored 10“ touch screen
- ✓ Storeable and recallable sanding programs
- ✓ Programable sanding pad control and activation with sanding pressure regulation
- ✓ Air jet abrasive belt cleaning
- ✓ Stepless variable abrasive belt speed for very sensitive surface
- ✓ 4 independend sanding stations
- ✓ patented pivoting main sanding unit
- ✓ no table height adjustment necessary when pivoting the sanding unit
- ✓ the entire sanding unit oscillates
- ✓ programable oscillation of entire sanding unit
- ✓ full utilisation of abrasive belt and graphite pad
- ✓ controlled and precise adjustable stock removal
- ✓ integrated feeding system for long, narrow and very small work-pieces
- ✓ highest possible sanding precision
- ✓ heavy cast iron construction
- ✓ most reliable edge-sander on the market
- ✓ easy and intuitive operation
- ✓ 24 months warranty
- ✓ ...

APPLICATIONS:

- ✓ finishing of lacquered workpieces
- ✓ calibration of solid workpieces
- ✓ finishing of solid workpieces
- ✓ calibration of veneered workpieces
- ✓ finishing of veneered workpieces
- ✓ sanding inner curves
- ✓ sanding outer curves
- ✓ sanding angular edges



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FLASH: „GENERAL-SPECIFICATIONS“

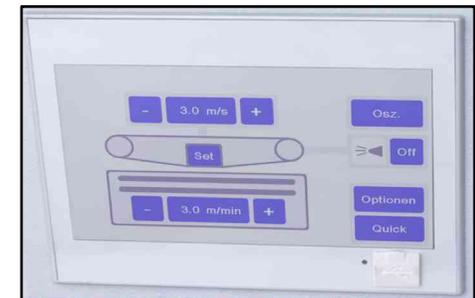
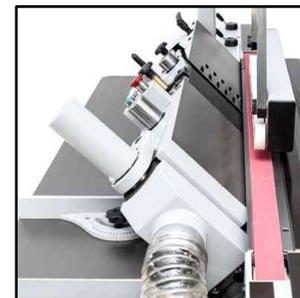
The FLASH is the perfect machine for finishing of solid wooden, veneered and lacquered edges.

The FLASH is optimized for an optimal finishing of lacquered edges up to high gloss applications.

The FLASH combines precision, reliability and innovation in one perfect machine for industrial use.

It's simply the absolute Top Class of all edge-sanders worldwide!

- ✓ Extreme solid cast iron table on the front side of the sander.
- ✓ Extreme solid cast iron table on the back side of the sander.
- ✓ Industrial PLC control with colored 10" Touch Screen.
- ✓ Storeable and recallable sanding programs.
- ✓ Action controlled sanding pad with sanding pressure control.
- ✓ The **entire** patented main sanding unit is pivoting; 90° to 45°.
- ✓ The **entire** patented sanding unit is oscillating.
- ✓ Individual programable oscillation movement.



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FLASH: „GENERAL-SPECIFICATIONS“

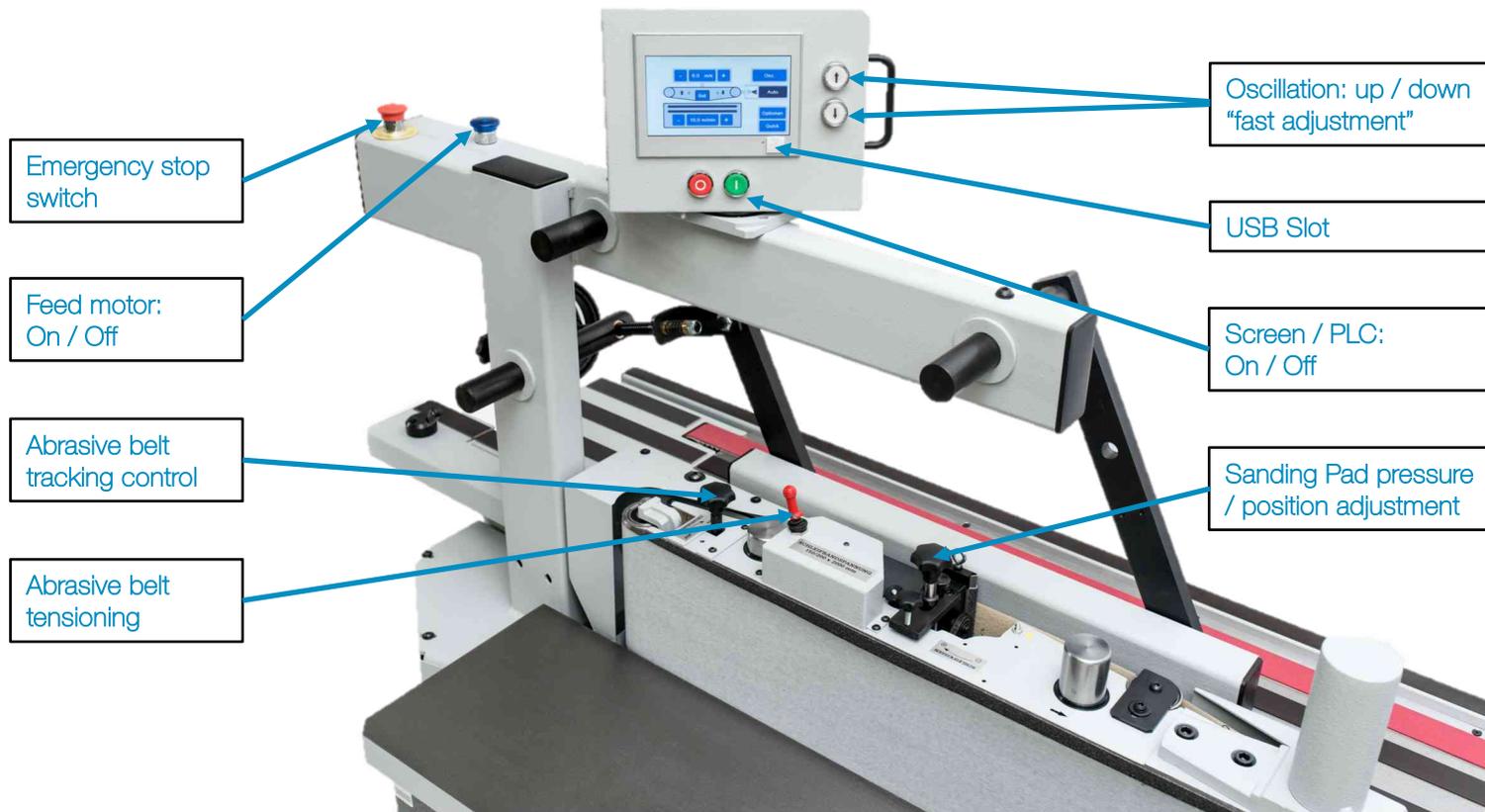
- ✓ Stepless adjustable abrasive belt speed from **3 – 15 m/s** (9 – 45 FPS).
- ✓ Precise regulation of the abrasive belt movement.
- ✓ Pneumatic abrasive belt tensioning.
- ✓ Constant abrasive belt tensioning is achieved by a length compensation.
- ✓ Abrasive belt dimension: **200 mm x 2000 mm** (8" x 79").
- ✓ High efficient feeding system, integrated in machine frame.
- ✓ Stepless adjustable feed speed: **3 – 15 m/min** (9 – 45 FPM).
- ✓ Feed motor: **0,55 kW** (0,75 HP)
- ✓ Main motor: **3,0 kW, 380 V / 50 Hz EUROPE** (4 HP, 208 - 230 V / 60 Hz USA).
A neutral current connection is mandatory.



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FLASH: „CONTROL DEVICES“

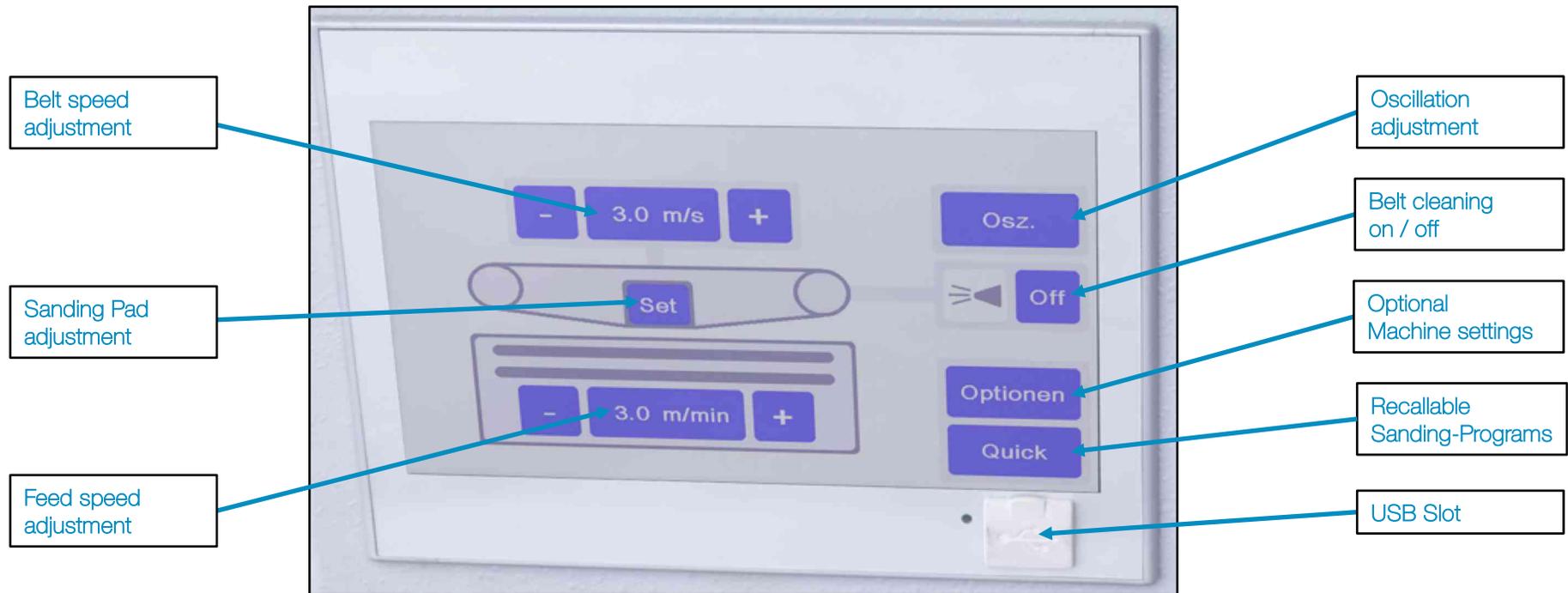
- ✓ The controls of the FLASH are intuitive, very precise and mainly controlled by the colored 7" industrial Touch Screen.



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FLASH: „CONTROL DEVICES“

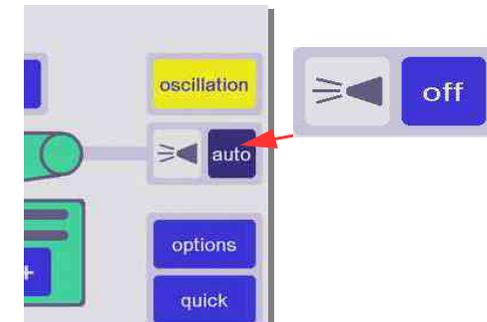
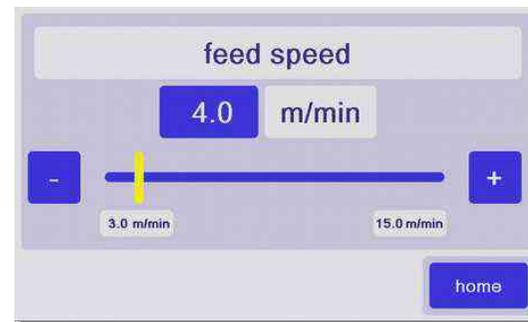
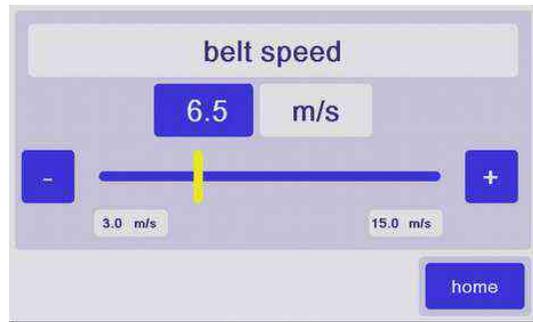
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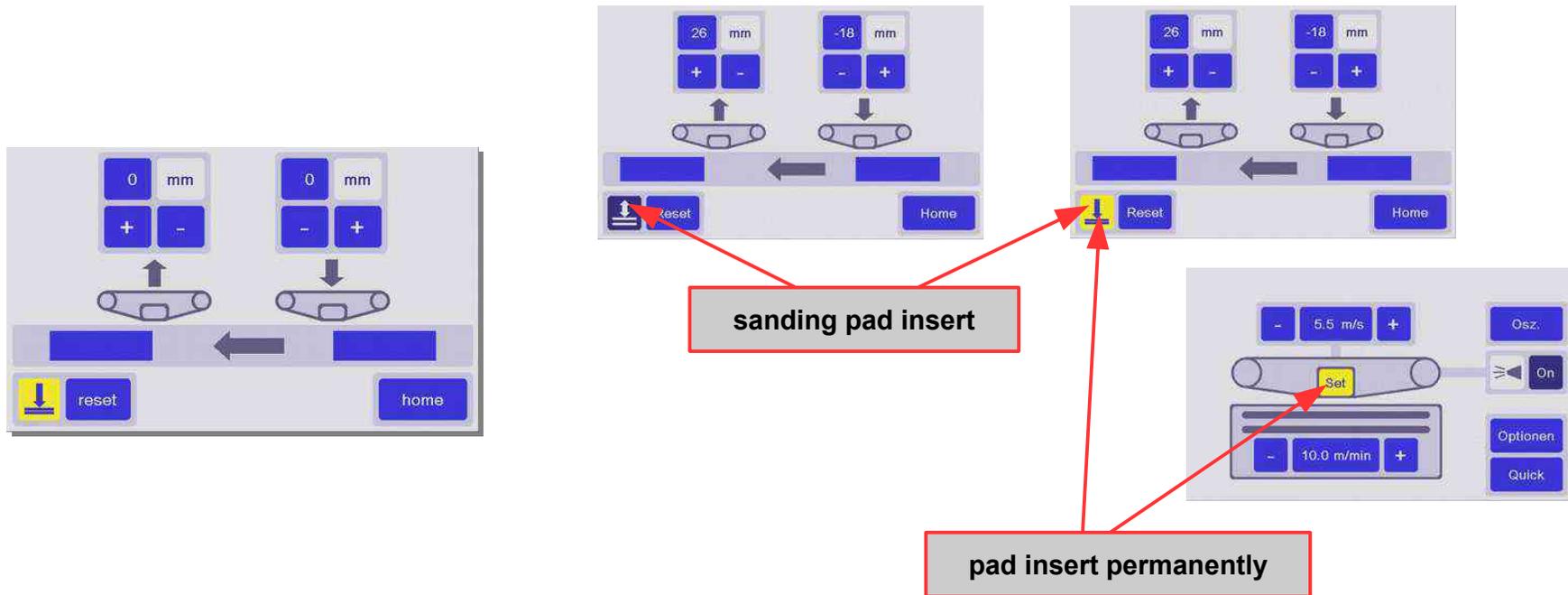
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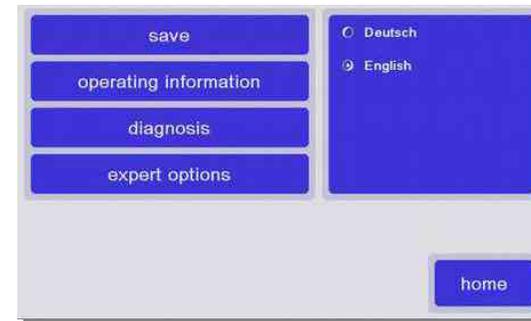
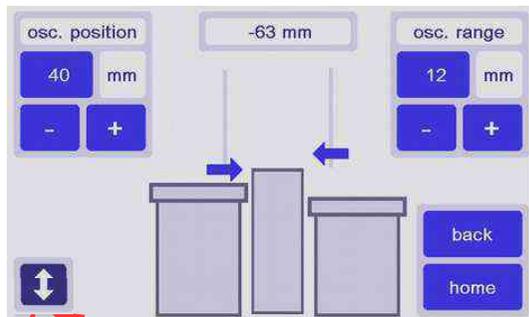
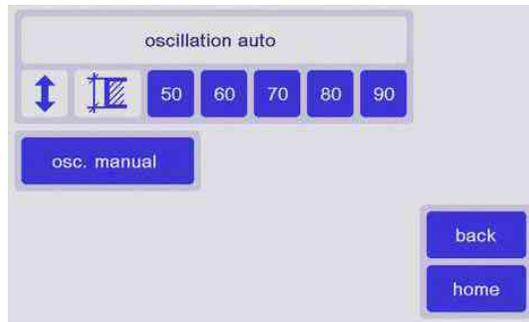
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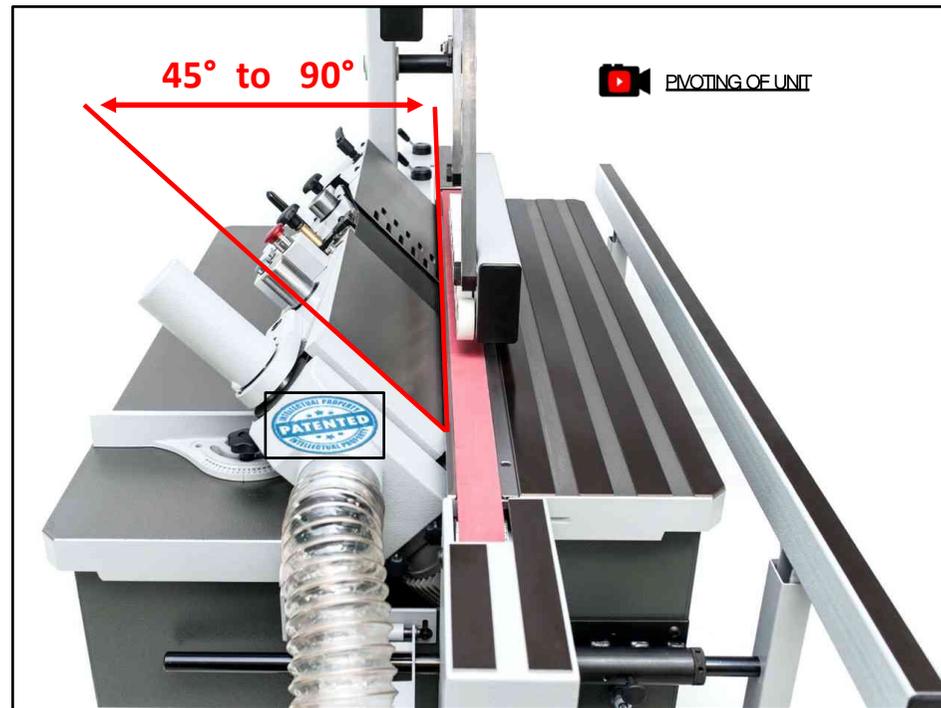
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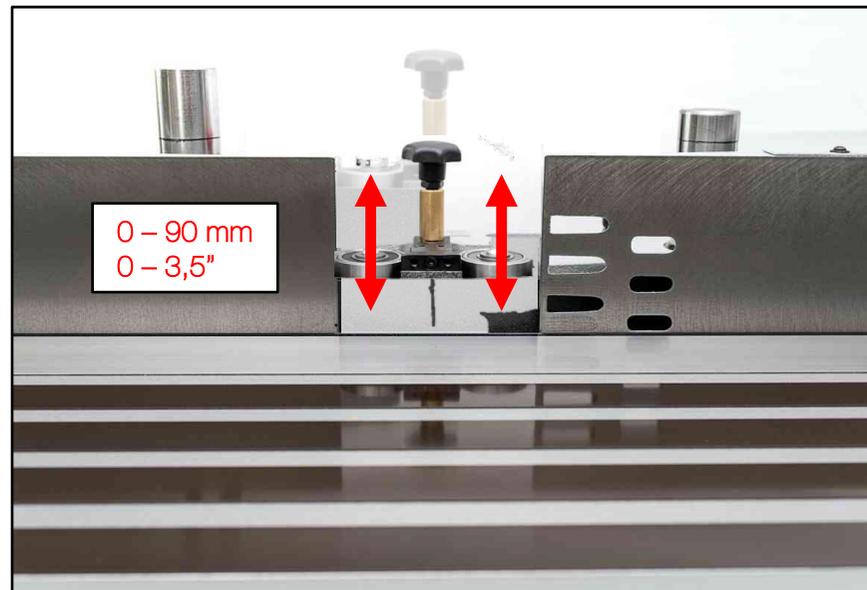
MAIN SANDING UNIT: „PIVOTING OF THE UNIT“

- ✓ The main sanding unit is a patented construction of KÜNDIG.
- ✓ No height adjustment of the working tables is required when pivoting the patented sanding unit .
- ✓ The angle of inclination of the sanding unit is motor driven adjustable from 90° to 45° and is displayed on a corresponding scale.



MAIN SANDING UNIT: „OSCILLATION“

- ✓ The **entire** sanding unit is oscillating.
- ✓ Individual programmable oscillation stroke from **0 – 90 mm** (0 – 3,5“).
- ✓ Full utilisation of abrasive belt and graphite pad by programable oscillation of the entire sanding unit.
- ✓ The oscillation is also fully active when the main sanding unit is in an tilted position.
- ✓ The belt oscillation is driven by a separate motor.



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1st. SANDING STATION: „FINISHING-STATION with integrated FEEDING SYSTEM“

- ✓ At the “FINISHING - STATION” is the processing of lacquered, veneered and solid edges along the 2 platens against the flexible, floating and action controlled sanding pad possible.
- ✓ The sanding pad is programmable and action controlled. Individual sanding pressure settings for a perfect finishing result.
- ✓ The work-pieces can be processed manually or with the high efficient and in the machine frame integrated feeding system.
- ✓ The in-feed platen is designed with ,built-in‘ suction slots.
- ✓ The abrasive belt is cleaned by action controlled abrasive belt blowers in order to increase the abrasive life time. Optimized suction slots absorb the sanding dust efficiently.
- ✓ The **entire** sanding unit with the abrasive belt oscillates and the sanding belt runs over a graphite cloth with cooling properties.
- ✓ Working height: **915 mm** (36”).
- ✓ Table dimension: **320 mm x 1200 mm** (12,6“ x 47,2”).



 PAD ACTIVATION



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1st. SANDING STATION: „FINISHING-STATION with integrated FEEDING SYSTEM“

- ✓ The "FINISHING - STATION" is equipped with a high efficient feeding system. The feeding system is in the machine frame integrated.
- ✓ Two 50 mm (2") wide transportation belts and a transportation belt from the top convey the work-pieces.
- ✓ A precise feeding of lacquered, very short, long or narrow work-pieces to the sanding unit is easy, fast and save possible.
- ✓ The feed speed is stepless variable adjustable; **3 - 15 m/min** (9 - 45 FPM)
- ✓ Feed motor **0,55 kW** (0.75 HP).



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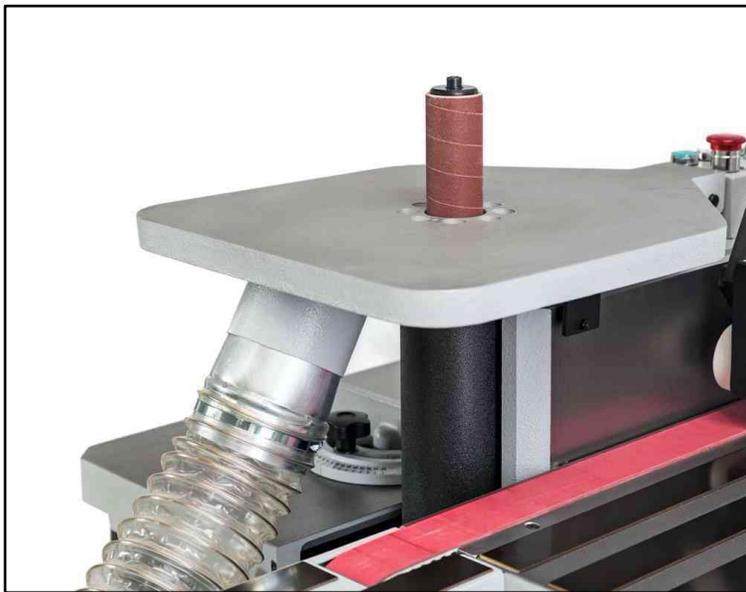
2nd. SANDING STATION: „WOOD-STATION“

- ✓ At the "WOOD - STATION" is the sanding of straight edges of work-pieces and sanding of the "outer curves" of solid wooden components possible.
- ✓ The **entire** sanding unit with the abrasive belt oscillates and the sanding belt runs over a graphite cloth with cooling properties.
- ✓ The "WOOD - STATION" - table is equipped with a bevelling fence with scale.
- ✓ Working height: **840 mm** (33").
- ✓ Table dimension: **320 mm x 1200 mm** (12,6" x 47,2").

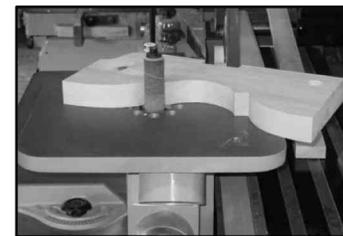
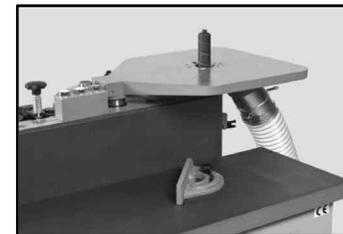


⚠ 3rd. SANDING STATION: „DRIVE-ROLLER-STATION“

- ✓ The "DRIVE ROLLER - STATION" is an **optionally available** sanding station.
- ✓ At this station it's possible to sand different diameters of inner curves and roundings.
- ✓ For this feature the machine must be equipped with the fast mountable auxiliary „cast iron table H“.
- ✓ The auxiliary „cast iron table H“ is designed with holes for dust extraction. Extraction outlet \varnothing 150 mm (6").
- ✓ The oscillating mandrel can be configured with sanding bobbins: \varnothing 25 mm (1,0"), \varnothing 30 mm (1,2"), \varnothing 40 mm (1,6"), \varnothing 45 mm (1,8") x 100 mm (4").
- ✓ Working height: 1110 mm (43,5").
- ✓ Table dimension of the auxiliary „cast iron table H“ is 400 x 500 mm (15,8" x 19,7").



 CAST IRON TABLE H



⚠ **4th. SANDING STATION: „FRONTAL-STATION“**

- ✓ The "FRONTAL - STATION" is an **optionally available** sanding station.
- ✓ At this station it's possible to sand bigger inner roundings of work-pieces against the rubberized belt driving roller of the main sandin unit.
- ✓ For this possibility the machine must be equipped with the fast adjustable „half round table S“.
- ✓ The „half round table S“ is designed with small holes for the dust extraction and is tiltable when it's not in use. Extraction outlet \varnothing 150 mm (6").
- ✓ The diameter of the abrasive belt drive roller is 90 mm (3,5").
- ✓ Working height: 915 mm (36").
- ✓ Table dimension: the set radius of the „half round table S“ is 300 mm (11,75").

 HALF ROUND TABLES



! ADDITIONAL MACHINE OPTIONS

CAST IRON TABLE H



! Optional: „cast iron table H“

Necessary for „DRIVE ROLLER-STATION“.

400 x 500 mm (15,8" x 19,7").

HALF ROUND TABLE S



! Optional: „half round table S“

Necessary for „FRONTAL-STATION“.

400 x 500 mm (15,8" x 19,7").

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GROOVES IN FEED PLATEN



! Optional: „grooves in-feed platen“

For „VENEER-STATION“.

Grooves in the inlet platen for sanding work-pieces with an excess length of veneer.

! ADDITIONAL MACHINE OPTIONS



! Optional: „HARD sanding pad“

Sanding Pad insert „hard“ for sanding solid wooden and veneered edges.

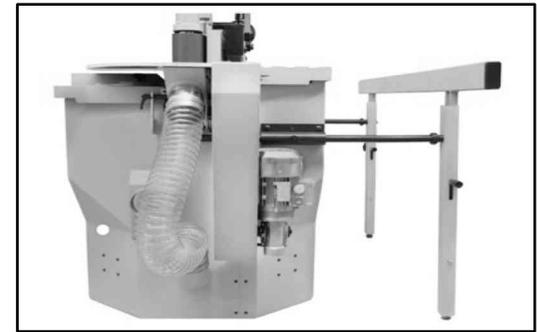


! Optional: „CERAMIC sanding pad“

Special CERAMIC sanding pad insert for heavy calibration jobs.

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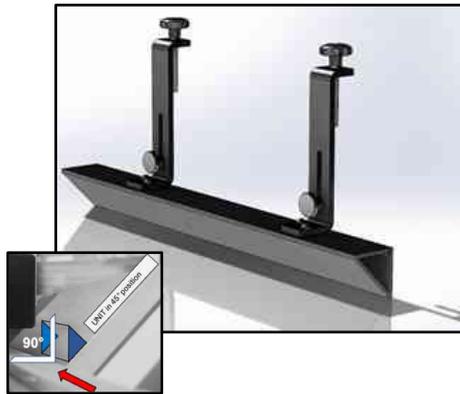
! TABLE ENLARGEMENT



! Optional: „table enlargement“

Table enlargement with a stepless to **900 mm** (35,33") extensionable solid front bar. With easy running guides and double support to the floor with unevenness compensation.

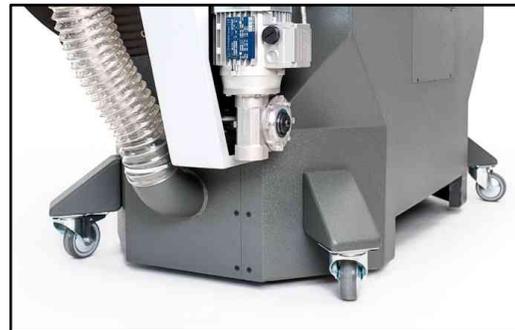
! ADDITIONAL MACHINE OPTIONS



! Optional: „auxiliary fence 45°“

At the in-feed platen mountable „auxiliary in-feed stop 45°“ for sanding phases of the edges of the work-piece when the main sanding unit is in 45° position.

! MACHINE MOBILE

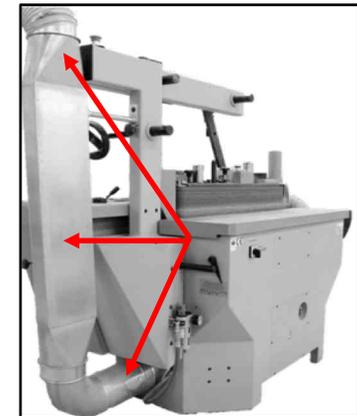


! Optional: „machine mobile“

Reinforced frame execution, with metal covers.
4 castors including locking device.

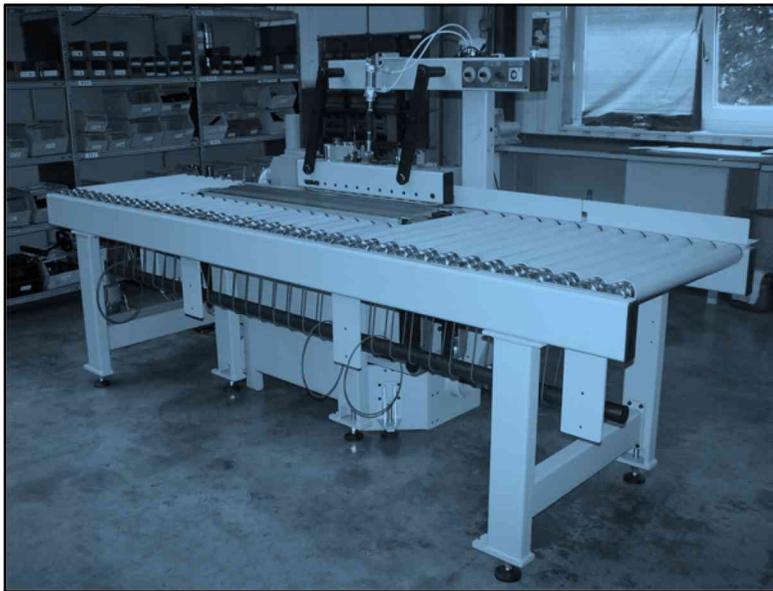
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! DUST EXTRACTION TUBE



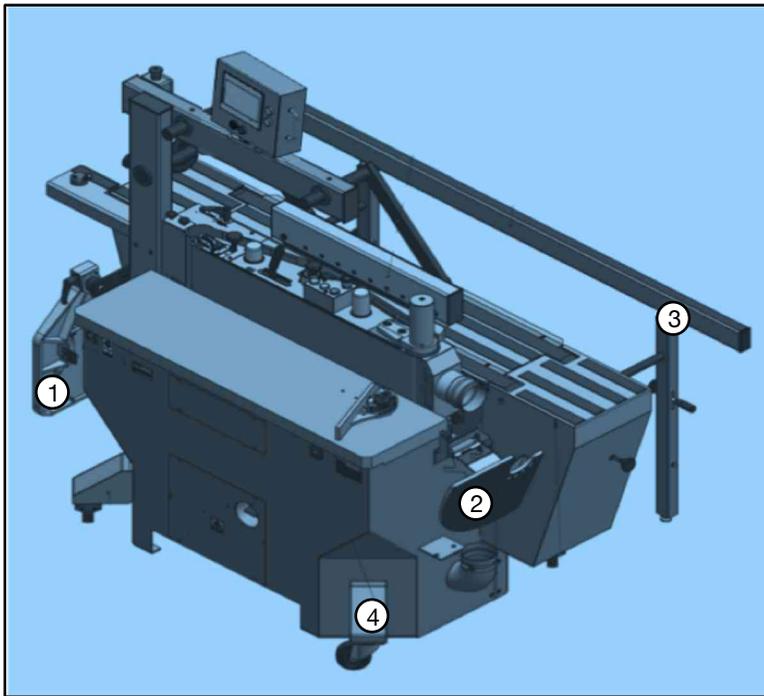
! Optional: „dust extraction tube“

Metal dust extraction tube to the top; including a manually slide (close / open).

FLASH *“the unique one”***!** ADDITIONAL MACHINE OPTIONS

REMARK: Several additional feeding table solutions on request available.

! MACHINE OPTIONS: „OVERVIEW“



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Additional MACHINE OPTIONS „OVERVIEW“:

1. „cast iron table H“
2. „half round table S“
3. „table enlargement“
4. „machine mobile“
5. „grooves inlet platen“
6. „HARD sanding pad“
7. „CERAMIC sanding pad“
8. „auxiliary in-feed stop 45°“
9. „dust extraction tube“

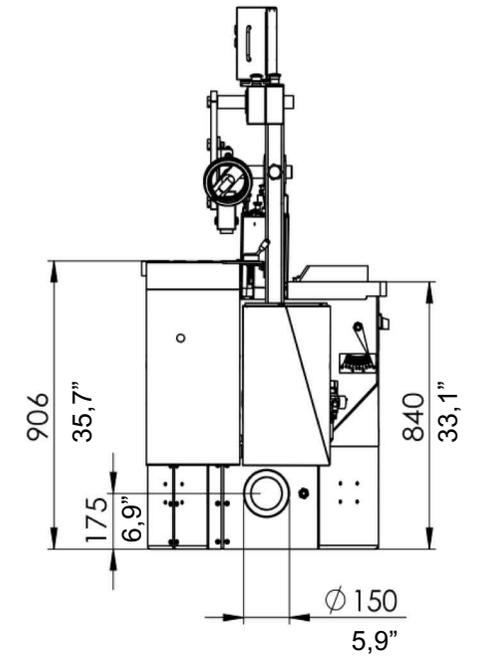
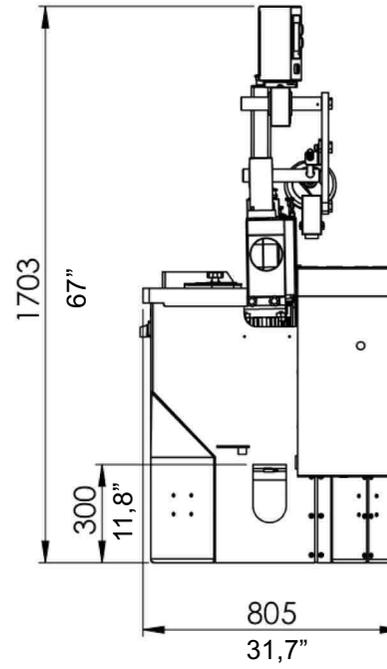
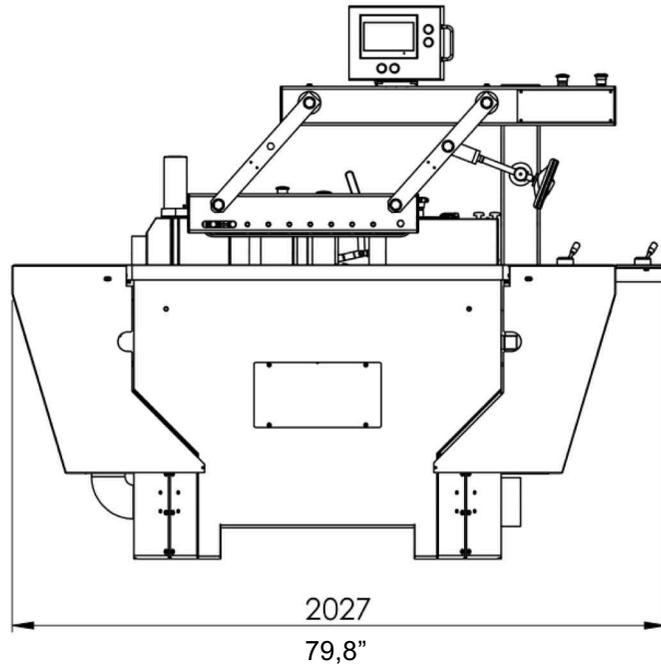
TECHNICAL DATA

Technical data:

USA

EUROPE

Voltage	208-230 V / 60Hz / 15 A	380 V / 50 Hz / 10 A
Sanding belt width	8"	200 mm
Sanding belt length	79"	2000 mm
Sanding belt speed rate	9 - 45 FPS	3 - 15 m/s
Speed of drive roller	3'600 RPM	3.600 rpm
Drive motor	5 HP	3 kW
Feed motor	0,75 HP	0,55 kW
Feed speed	9 – 45 FPM	3 – 15 m/s
Oscillation motor	0,25 HP	0,18 kW
Pivot motor	0,08 HP	0,06 kW
Net weight	1280 LBS	580 kg
Extraction	1x 6" port @ 750 CFM	1x 150 mm @ 1.300 m3/h
Air speed	60 FPS	20 m/s
Vacuum pressure of extraction	1'800 Pa	1.800 Pa

FOOTPRINT**FLASH** *"the unique one"*

Reference-Customers

ELKAY®



MILLWORK 360



F/LIST



SIEMENS



MERINO II LAMINATES THE POWER TO CREATE



KUNDIG

Edge sanding in his highest perfection



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