

Flash

“the unique one”



Sanding Ideas – Ideas that get the Job done!



ADVANTAGES:

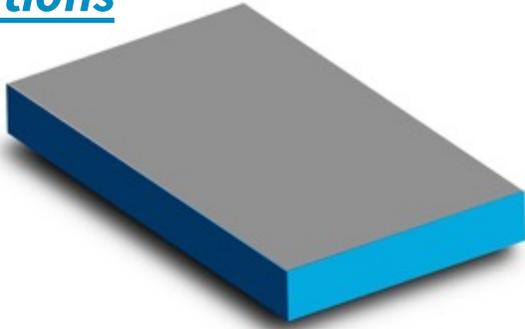
- ✓ PLC controlled with colored 7" touch screen
- ✓ Storeable and recallable sanding programs
- ✓ Precisely controllable sanding pad activation/deactivation and pressure
- ✓ Air jet abrasive belt cleaning
- ✓ Steplessly variable abrasive belt speed for the most sensitive of surfaces
- ✓ 4 independent sanding stations
- ✓ Pivoting main sanding unit (patented)
- ✓ No table height adjustment necessary when pivoting the sanding unit
- ✓ The entire sanding unit oscillates
- ✓ Sanding unit oscillation is precisely programmable
- ✓ Full utilisation of abrasive belt and graphite pad
- ✓ Controlled and precisely 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
- ✓ Most versatile edge-sander on the market
- ✓ Easy and intuitive operation
- ✓ 36 months warranty
- ✓ ...

KUNDIG

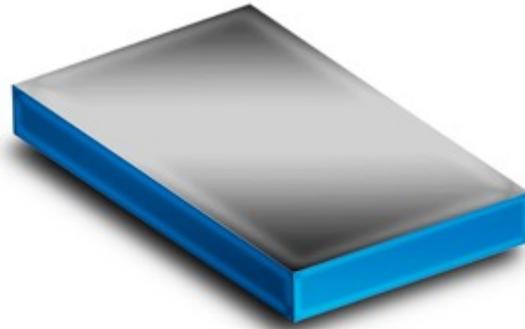
Flash Edge Sander



Applications



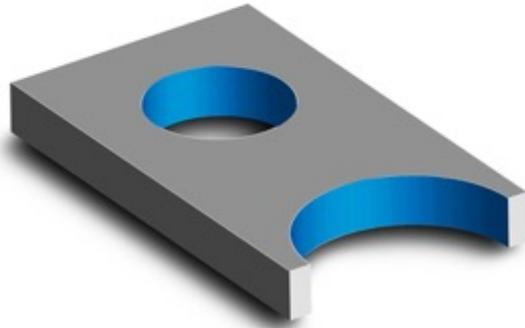
calibration and finishing of **solid work pieces**



finishing of **lacquered work pieces**



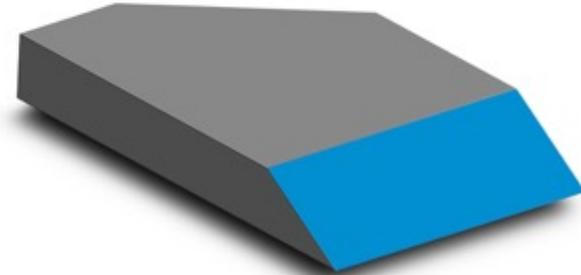
calibration and finishing of **veneered work pieces**



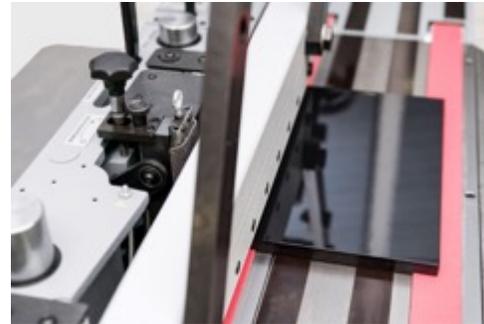
sanding of **inner curves**



sanding of **outer curves**



sanding of **angular edges**



FLASH: „GENERAL-SPECIFICATIONS“

The Kundig *Flash* is the perfect edge sander for finishing of solid wooden, veneered and lacquered edges.

The *Flash* is optimized for a perfected finish on lacquered edges up to high gloss applications.

The *Flash* combines precision, reliability and innovation in a sturdy, compact machine body. It is built for industrial use.

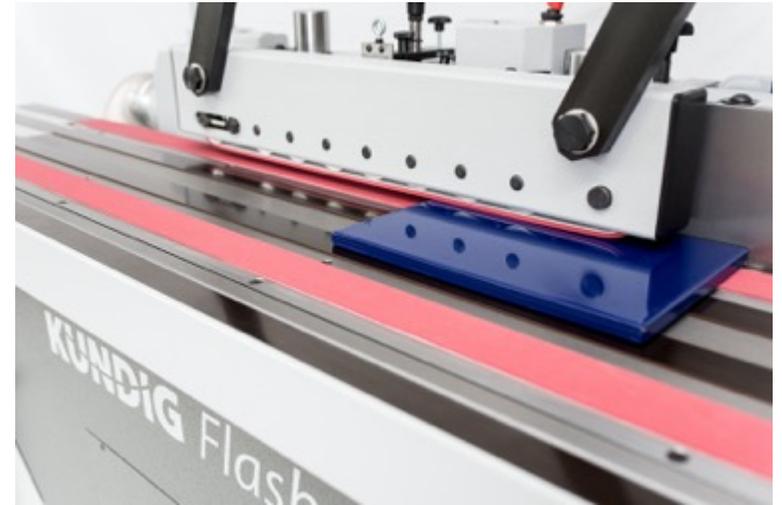
It represents quite simply the absolute top class of edge-sanders worldwide!

- ✓ Extremely solid cast iron table on the front side of the sander.
- ✓ Extremely solid cast iron table on the rear side of the sander.
- ✓ Industrial PLC controls through rotating 7" Touch Screen.
- ✓ Storeable and recallable sanding programs.
- ✓ Action controlled sanding pad with sanding pressure control.
- ✓ The **entire** (patented) sanding unit is pivoting; 90° to 45°.
- ✓ The **entire** (patented) sanding unit is oscillating
- ✓ Individually programmable oscillation movement (0 - 90mm / 0 - 3.5")



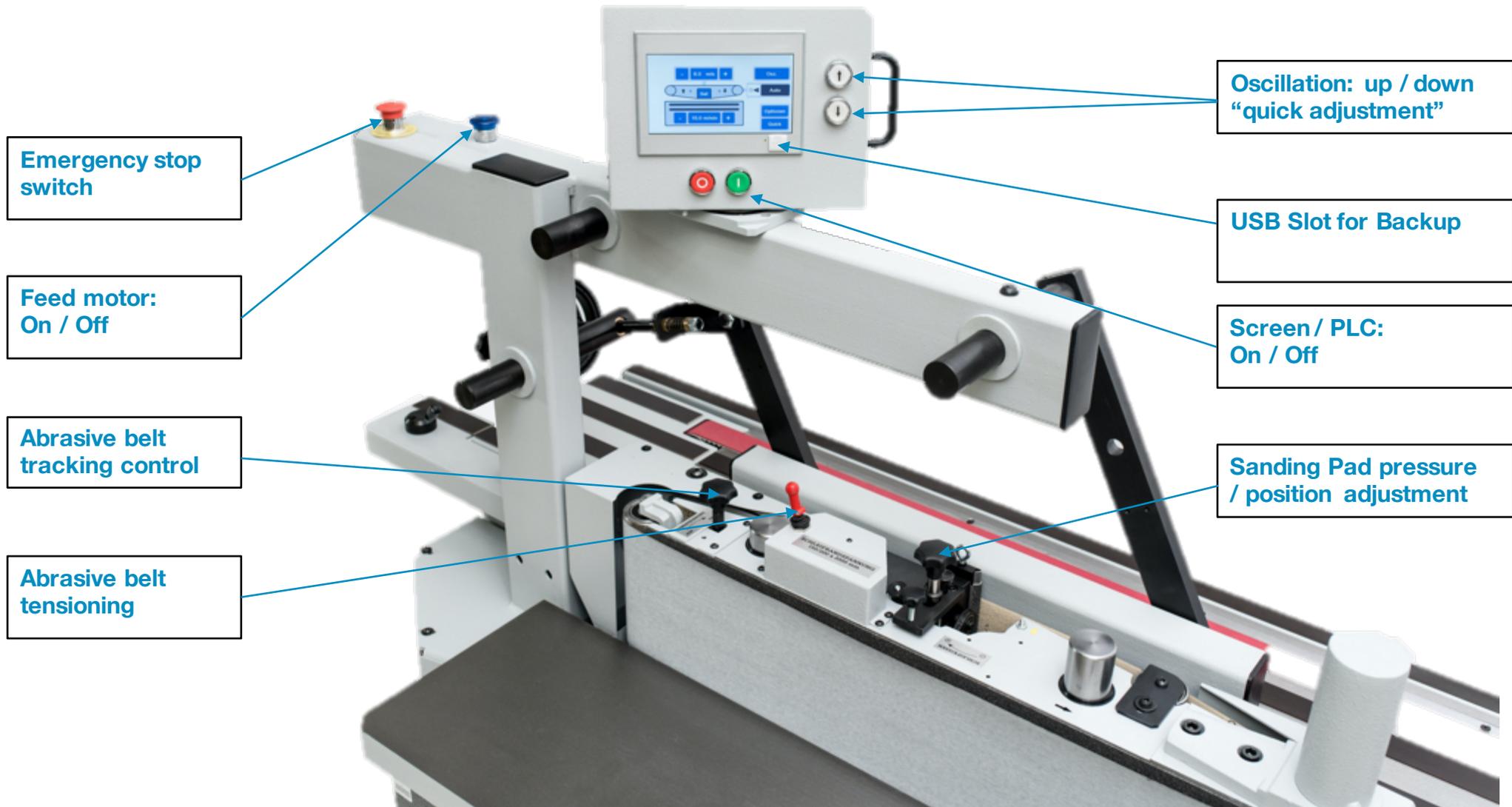
FLASH: „GENERAL SPECIFICATIONS“

- ✓ Steplessly adjustable abrasive belt speed from **3 – 15 m/s (9 – 45 ft/s)**.
- ✓ Most easily adjustable centring device for sanding belt run
- ✓ Damper system for constant belt tension compensates belt length tolerances
- ✓ Abrasive belt dimension: **200 mm x 2000 mm (8“ x 79“)**.
- ✓ Highly efficient feeding system, integrated within the machine frame.
- ✓ Steplessly adjustable feed speed: **3 – 15 m/min (9 – 45 ft/min)**.
- ✓ 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.



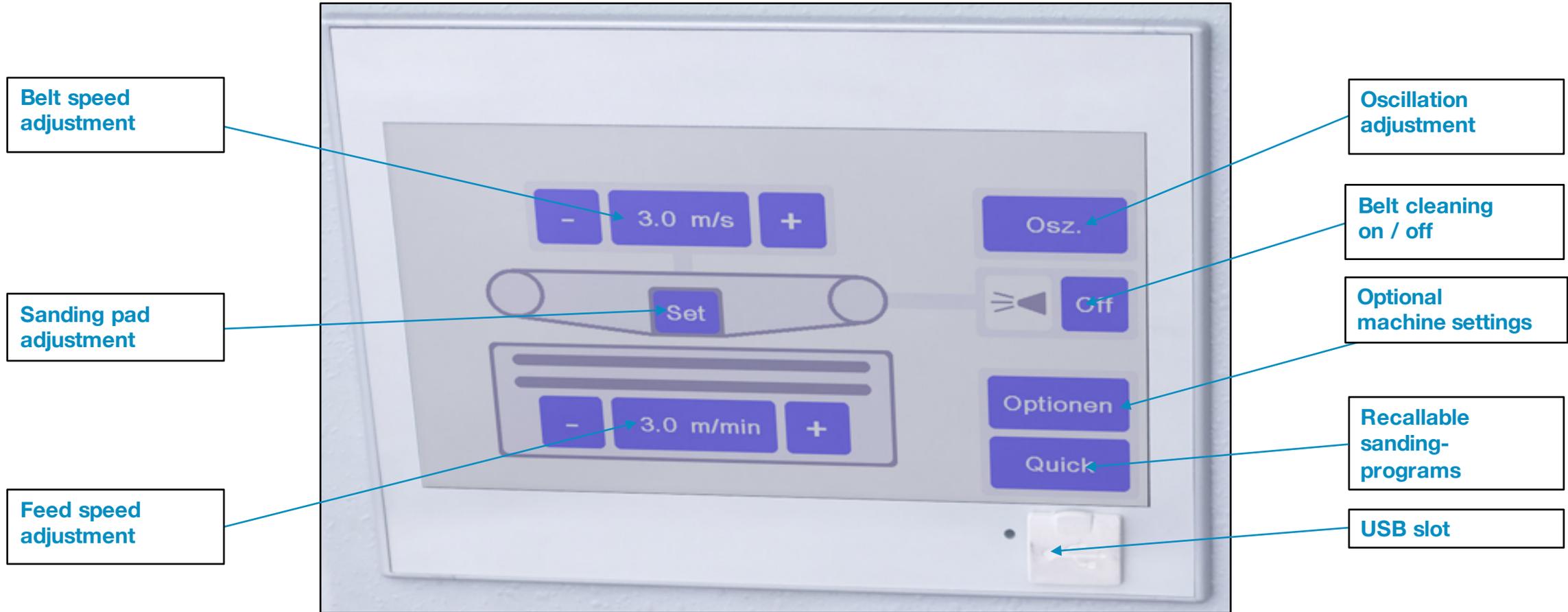
FLASH: „CONTROL DEVICES“

- ✓ The Flash's controls are intuitive, very precise and mainly executed by using the colored 7" industrial Touch Screen.



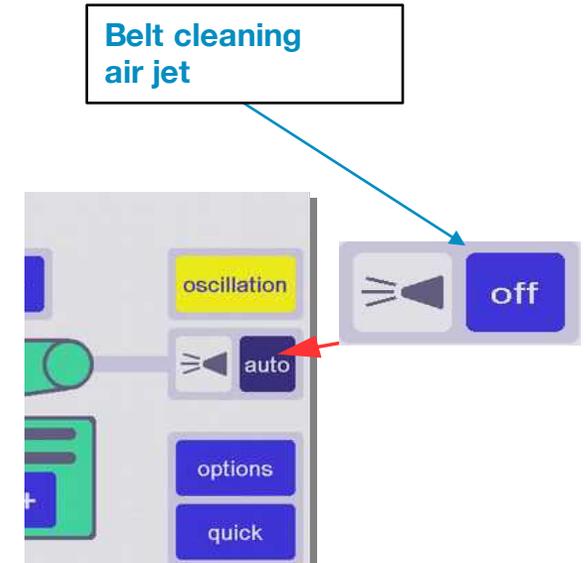
FLASH: „CONTROL DEVICES“

✓ The Flash's controls are intuitive, very precise and mainly executed by using the colored 7" industrial Touch Screen.



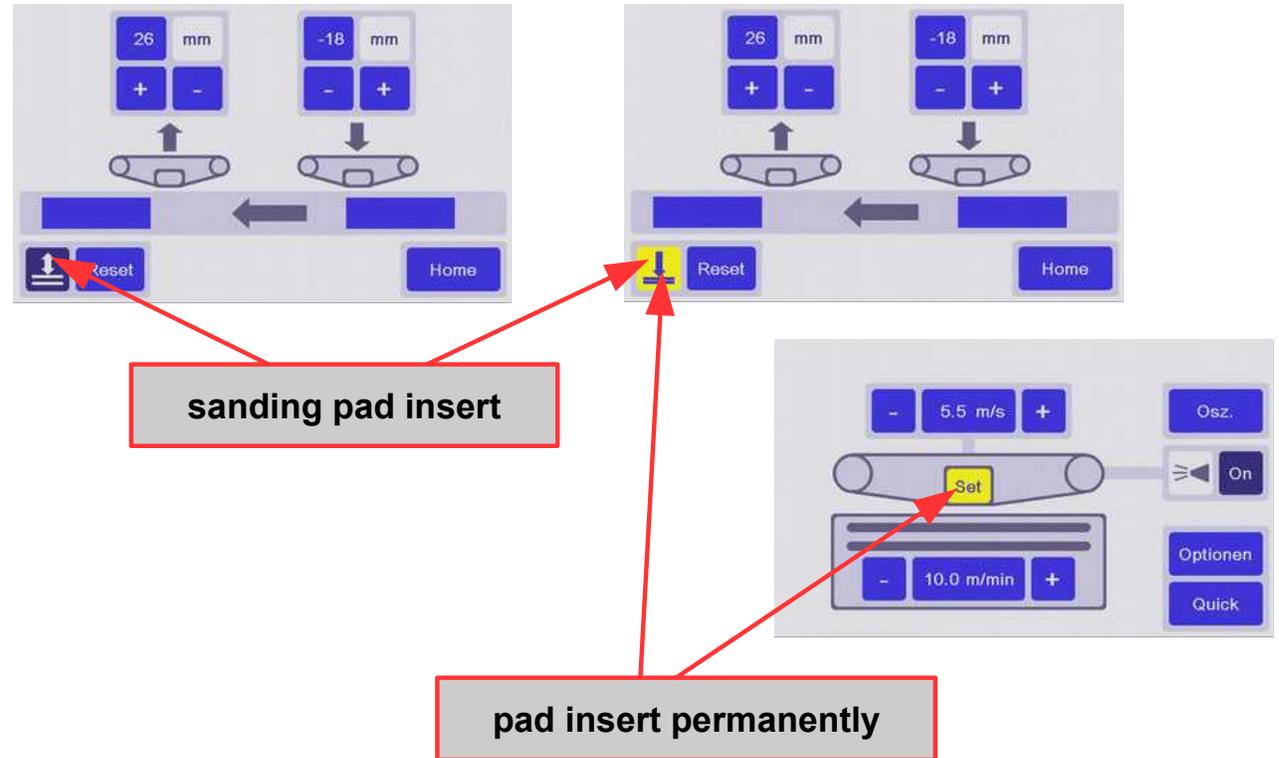
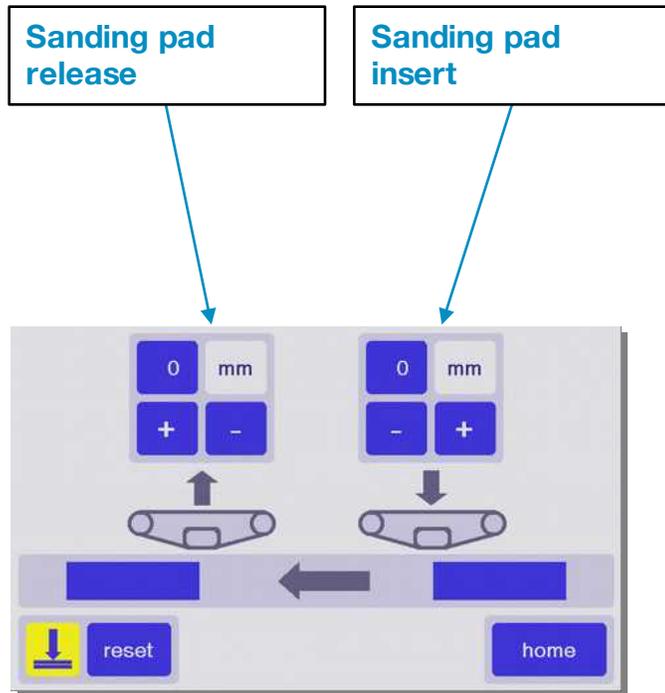
FLASH: „CONTROL DEVICES“

- ✓ The Flash's controls are intuitive, very precise and mainly executed by using the colored 7" industrial Touch Screen.



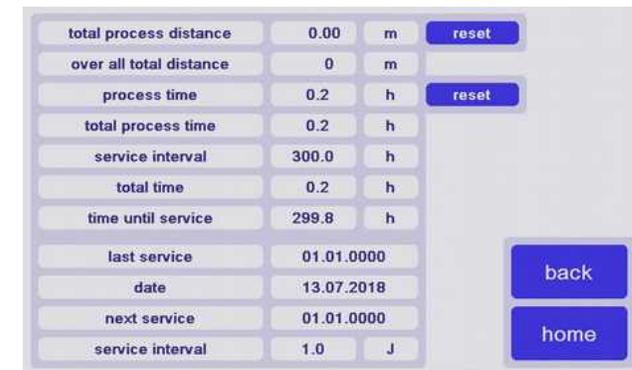
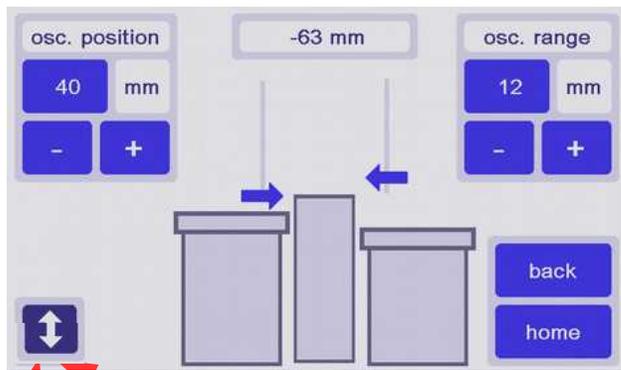
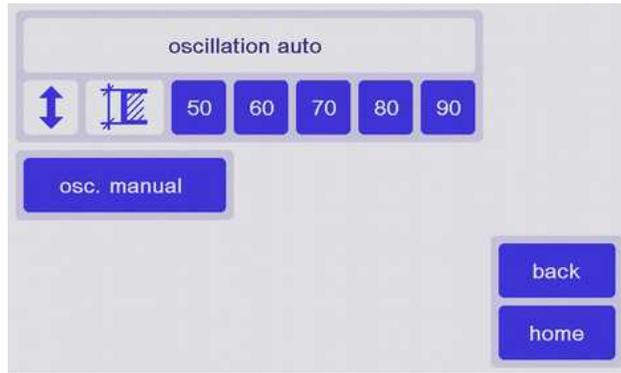
FLASH: „CONTROL DEVICES“

- ✓ The Flash's controls are intuitive, very precise and mainly executed by using the colored 7" industrial Touch Screen.



FLASH: „CONTROL DEVICES“

- ✓ The Flash's controls are intuitive, very precise and mainly executed by using the colored 7" industrial Touch Screen.



MAIN SANDING UNIT: „PIVOTING OF THE UNIT“

- ✓ The main sanding unit is a **patented construction** by 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 adjustable by motor, ranging from **90° to 45°**. It is displayed on a corresponding scale.

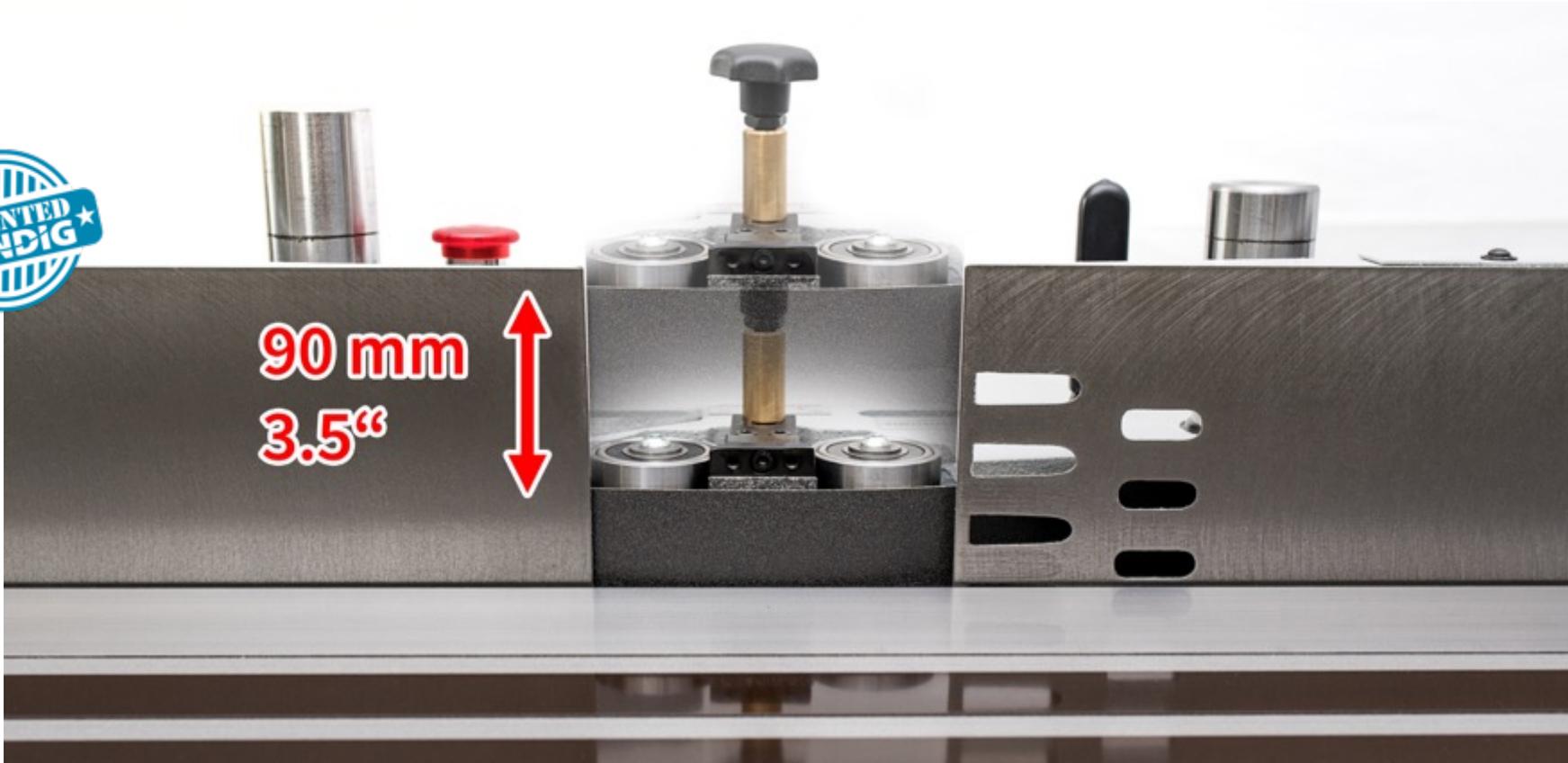


MAIN SANDING UNIT: „OSCILLATION“

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



90 mm
3.5"



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

- ✓ The “FINISHING - STATION” allows processing of lacquered, solid and veneered edges along the 2 fences and against the flexible, floating and action controlled sanding pad.
- ✓ The sanding pad is programmable and action controlled. Individual sanding pressure settings for a perfect finishing result.
- ✓ The work-pieces can be processed either manually or by using the highly efficient, machine frame integrated feeding system.
- ✓ The in-feed fence is designed with ‚built-in‘ suction slots.
- ✓ The abrasive belt is cleaned by action controlled abrasive belt blowers in order to increase abrasive belt life span. Sanding dust is efficiently absorbed through optimized suction slots.
- ✓ The **entire** sanding unit oscillates with a stroke of **0 – 90 mm / 0 - 3.5“** 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](#)

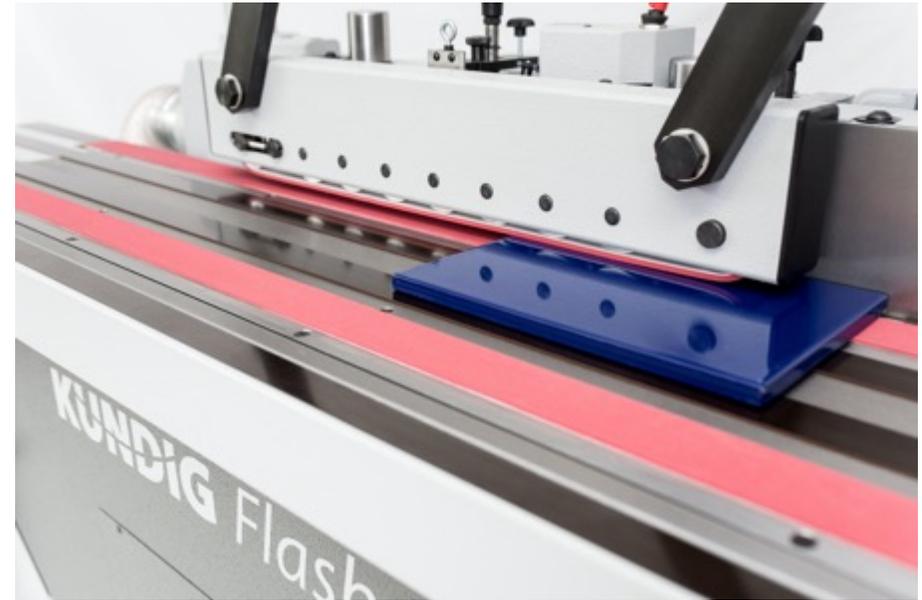


1st. SANDING STATION: „FINISHING-STATION with integrated FEEDING SYSTEM“

- ✓ The “FINISHING - STATION” is equipped with a highly efficient feeding system which is machine body integrated.
- ✓ Two 50 mm (2") wide rubber transportation belts and one transportation belt from the top cautiously convey the work-pieces.
- ✓ A precise feeding of lacquered, very short, long or narrow work-pieces along the sanding unit is easy, quick and safe
- ✓ The feed speed is steplessly adjustable; **3 - 15 m/min (9 - 45 ft/min)**
- ✓ Feed motor 0,55 kW (0.75 HP).



[FINISHING STATION](#)



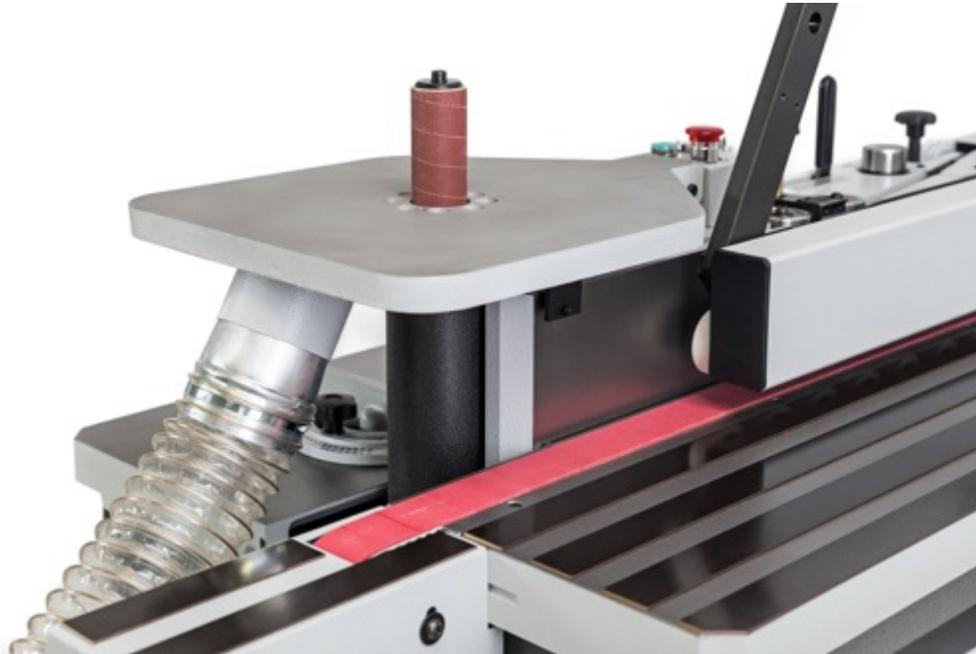
2nd. SANDING STATION: „WOOD-STATION“

- ✓ This station is used to sand flat, angled or chamfered edges, as well as outer curves
- ✓ 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“)**.

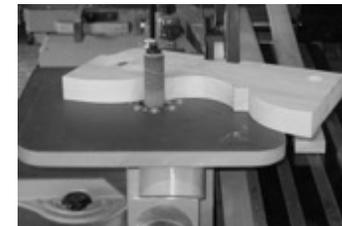
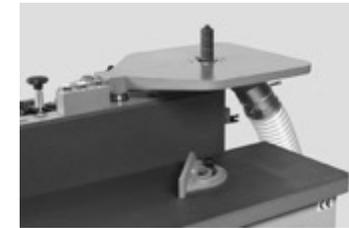


❗ 3rd. SANDING STATION: „DRIVE-ROLLER-STATION“

- ✓ The "DRIVE ROLLER - STATION" is an **optionally available** sanding station.
- ✓ This station is designed to sand different diameters of inner curves and roundings.
- ✓ For this feature, the machine must be equipped with the quickly mountable auxiliary „**cast iron table H**“.
- ✓ The auxiliary „**cast iron table H**“ is equipped with holes for dust extraction. Extraction outlet **∅ 150 mm (6")**.
- ✓ The oscillating mandrel can be configured with sanding bobbins of different diameters:
∅ 25 mm (1,0"), ∅ 30 mm (1,2"), ∅ 40 mm (1,6"), ∅ 45 mm (1,8") x 100 mm (4").
- ✓ As it is an extension of the main sanding unit the large oscillation stroke of up to **90 mm (3,5")** does apply to this features as well.
- ✓ 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").

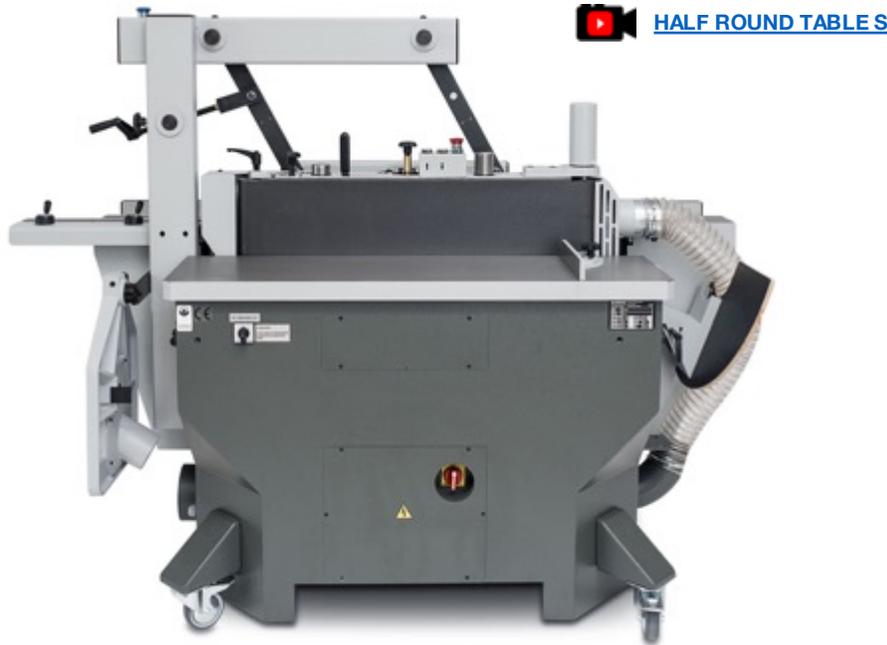


 [CAST IRON TABLE H](#)



❗ 4th. SANDING STATION: „FRONTAL-STATION“

- ✓ The "FRONTAL - STATION" is an **optionally available** sanding station.
- ✓ This station is designed to sand bigger inner roundings of work-pieces against the rubberized belt driving roller of the main sanding unit.
- ✓ For this feature the machine must be equipped with the quickly mountable **„half round table S“**.
- ✓ The **„half round table S“** is designed with small holes for dust extraction. It can be folded away when not used. Extraction outlet \varnothing **150 mm (6")**.
- ✓ The diameter of the abrasive belt drive roller is **90 mm (3,5")**.
- ✓ As this is part of the main sanding unit, the large oscillation stroke of up to **90 mm (3,5")** does apply to this feature as well.
- ✓ Working height: **915 mm (36")**.
- ✓ Table dimension: the set radius of the **„half round table S“** is **300 mm (11,75")**.



! ADDITIONAL MACHINE OPTIONS

 [CAST IRON TABLE H](#)

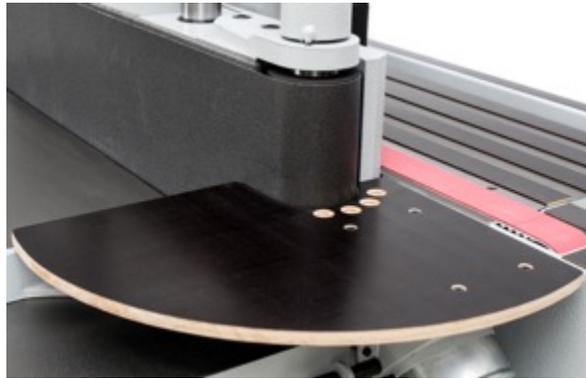


! Optional: „cast iron table H“

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").

 [GROOVES IN-FEED PLATEN](#)



! Optional: „grooves in-feed fence“

For „VENEER-STATION“.

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

! ADDITIONAL MACHINE OPTIONS



! Optional: „HARD sanding pad“

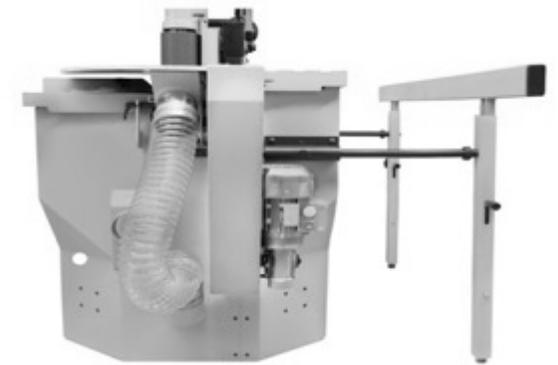
Sanding Pad insert „hard“ for sanding solid wooden and veneered edges.



! Optional: „CERAMIC sanding pad“

Special CERAMIC sanding pad insert for heavy calibration tasks.

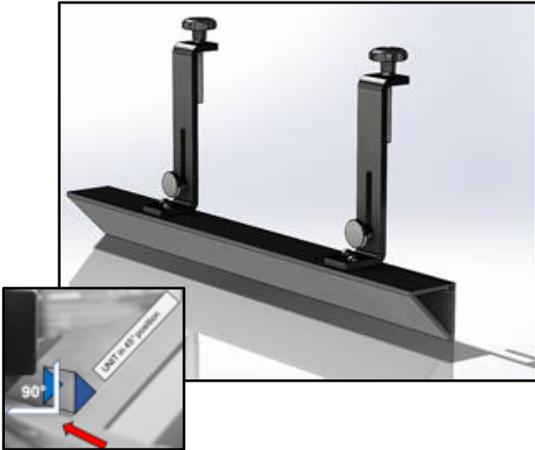
! [TABLE ENLARGEMENT](#)



! Optional: „table enlargement“

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

! ADDITIONAL MACHINE OPTIONS



! Optional: „auxiliary fence 45°“

Mountable at the in-feed fence, the „auxiliary in-feed stop 45°“ is for sanding phases of the edges of the work-piece with the main sanding unit in 45° position.

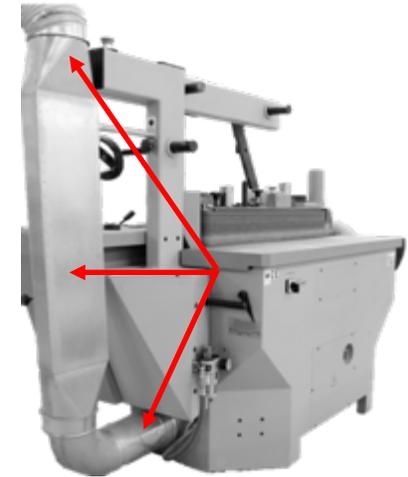
! MACHINE MOBILE



! Optional: „machine mobile“

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

! DUST EXTRACTION TUBE



! Optional: „dust extraction tube“

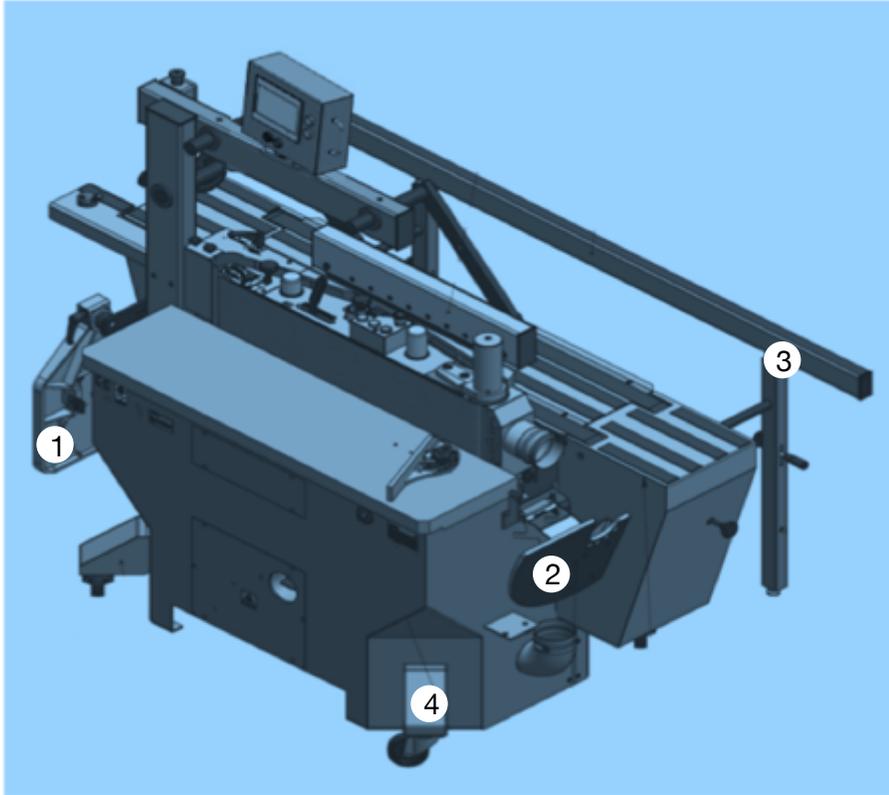
Metal dust extraction tube to the top; including a manually slide (close / open).

❗ ADDITIONAL MACHINE OPTIONS



REMARK: Several additional feeding table solutions available on request.

! ADDITIONAL MACHINE OPTIONS



Additional MACHINE OPTIONS „OVERVIEW“:

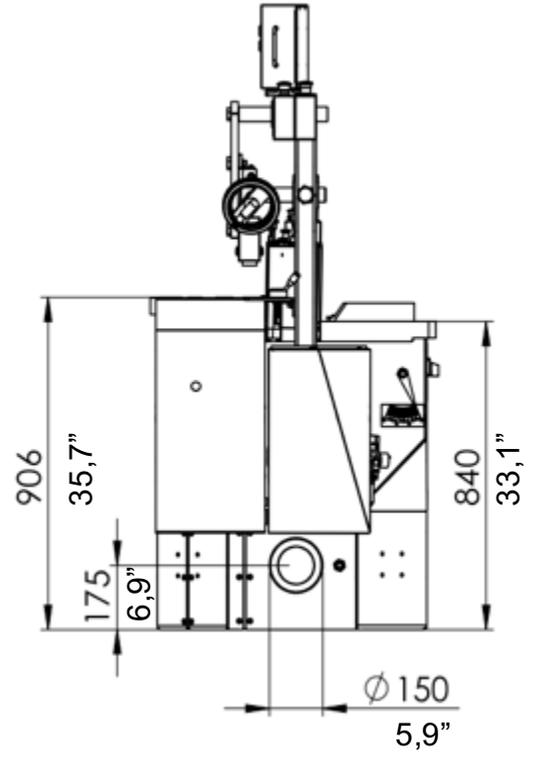
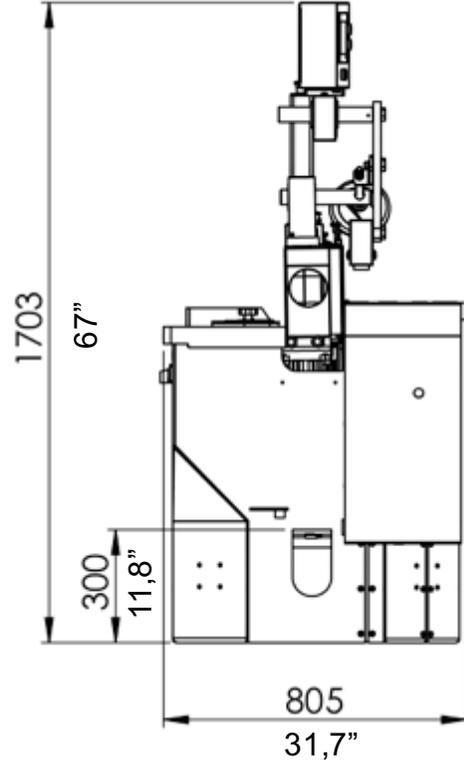
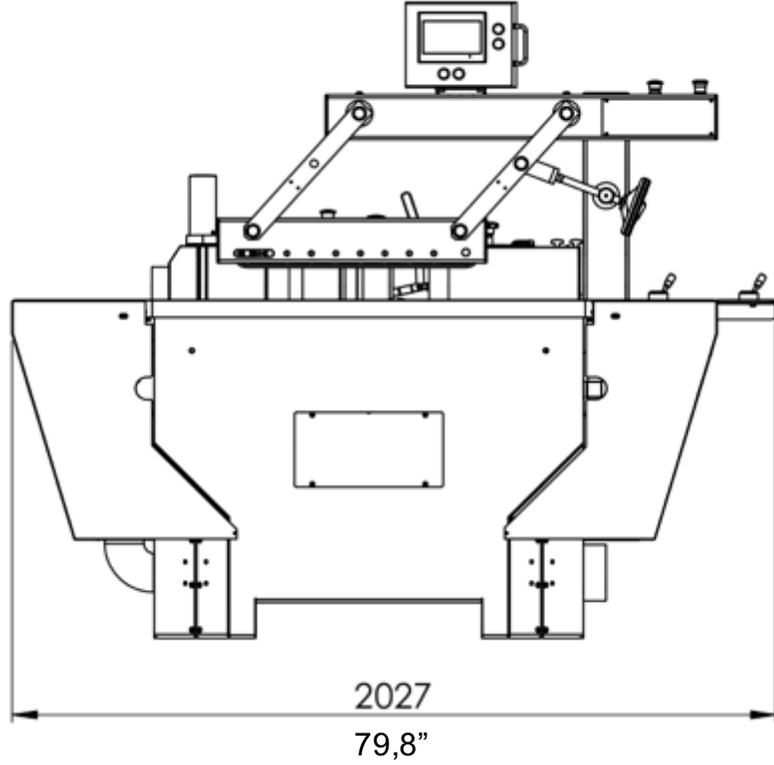
1. „cast iron table H“
2. „half round table S“
3. „table enlargement“
4. „machine mobile“
5. „grooved inlet fence“
6. „HARD sanding pad“
7. „CERAMIC sanding pad“
8. „auxiliary in-feed stop 45°“
9. „dust extraction tube“

TECHNICAL DATA

Technical data:

	<u>USA</u>	<u>EUROPE</u>
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 ft/s	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 ft/m	3 – 15 m/s
Oscillation motor	0,25 HP	0,18 kW
Pivot motor	0,08 HP	0,06 kW
Net weight	1280 lb	580 kg
Extraction	1x 6" port @ 750 CFM	1x 150 mm @ 1.300 m3/h
Air speed	60 ft/s	20 m/s
Vacuum pressure of extraction	1'800 Pa	1.800 Pa

FOOTPRINT



Reference-Customers

ELKAY®



MILLWORK 360



Ironospann
Wood, perfected



SAFRAN
Messier-Bugatti-Dowty

F/LIST



Häcker
kitchen.germanMade.

SIEMENS



heitz®
turnierkantenwerk



Bösendorfer
DER KLANG, DER BERÜHRT

BECKER
BRAKEL



MERINO LAMINATES
THE POWER TO CREATE



JELD-WEN
DOOR SOLUTIONS



KUNDIG

Edge sanding at its absolute best



Sanding Ideas – Ideas that get the Job done!