

# WIDE BELT **Sander**

## **RK *Plus* series**

*With heavy duty thick conveyor belt  
75" long sanding belt*



**CE**

**43RK *Plus***

HOLYTEK Sanders are compact and rugged units that provide some of the best sanding and finishing results to be found in the industry.

The low capital investment, minimal floor space requirements and unmatched versatility combine to make a HOLYTEK sander a valuable addition to any production facility. Their ease and convenience of use ensure quick integration with existing processing lines

**HOLYTEK**

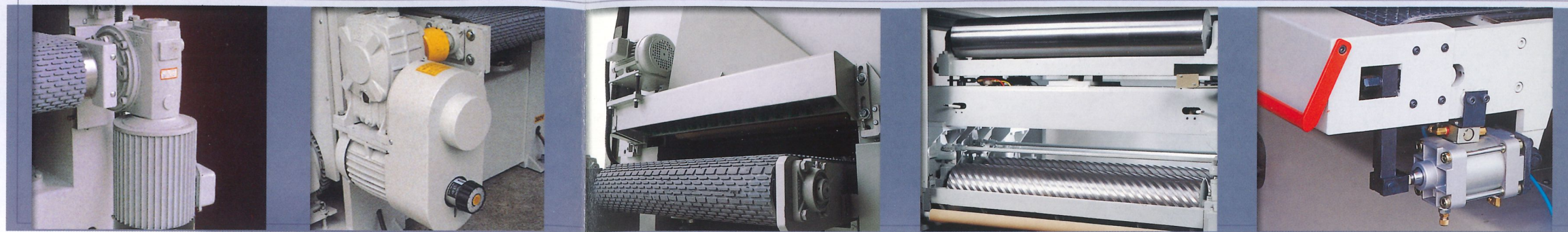
# **RK *Plus* series**

**HANDLE SANDING JOBS EASILY AND ECONOMICALLY.  
GOOD FOR SOLID WOOD & VENEER HEAVY SANDING**

## **EXCELLENT STANDARD FEATURES**

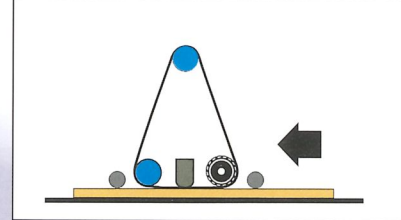
- All electrical controls conveniently grouped. Amp meters on each head indicate the sanding load.
- Variable feed speed from 4-16 m/min (mechanical variable speed control), 3-26 m/min (inverter controlled), via a powerful, independent feed motor. Optimum productivity and finish can always be achieved.
- Safety is guaranteed by the large emergency stop button on the front panel and emergency stop bar at the front of the infeed roller table.
- Disc brakes stop the heads in seconds.
- Powered table positioning via a separate elevation motor.
- Belt oscillation is electronic- saving expensive compressed air. No noise and smoother oscillation too! ('Invisible beam' system is not affected by dust.)
- Higher belt speeds for faster stock removal.
- Pneumatic belt tensioning ensures reliability and fast, simple belt changes.
- Spiral grooved natural rubber contact roller keeps belts cool.
- Efficient dust extraction and robust construction.
- Air cylinder under the table for stabilizing feeding conveyor is standard for all models.
- All rubber contact roller dia. of 37RK *Plus* (Ø180 mm & 130 mm), 43K *Plus* (Ø140 mm) 43RK *Plus*(Ø250 mm & Ø140 mm), 52RK *Plus* (Ø250 mm & 140 mm).
- Large contact drum diameter Ø250 mm for 43RK *Plus*, 52RK *Plus*.
- Anti-dubbing device with air pad system for 43RK *Plus* & 52RK *Plus* combination (optional). The device is special for veneer sanding.
- 43RK *Plus*, 52RK *Plus* with digital readout standard. All series have inverter controlled or mechanical type variable feed speed, and are excellent for heavy-duty sanding.
- Longer sanding belt 75" (1905mm) for better results.

# The combination head. Very versatile!

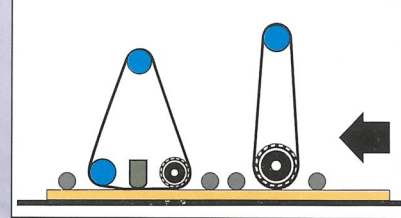


## SANDING HEAD

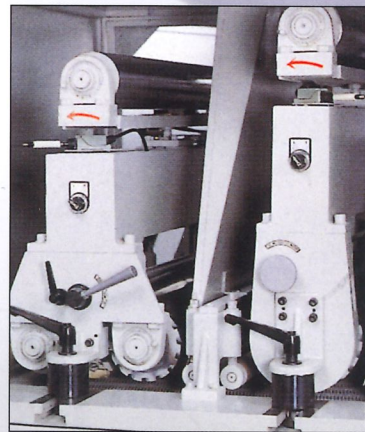
### K Plus series



### RK Plus series



## INNOVATIVE SANDING HEAD CONFIGURATION



37RK Plus



43RK / 52RK Plus

## CHOICE OF TWO KINDS OF FEED SPEED CONTROL

### FEED CONTROLLED BY FREQUENCY INVERTER

Used for adjusting the sanding belt speed.

### MACHANICAL VARIABLE SPEED UNIT

The conveyor belt speed is controlled by a variable speed unit. Feed speed can be varied as desired to suit all types workpiece material, assuring superior sanding quality.

### PANEL CLEANING BRUSH ROLLER (OPTIONAL)

Built at the outfeed end of the machine, this panel cleaning brush roller cleans powder off the sanded panel.

### HEAVY THICKNESS CONVEYOR BELT (STANDARD)

Heavy-duty conveyor belt has thickness of 8-10mm.

### IRON CONTACT ROLLER (OPTIONAL)

The iron contact roller is manufactured from special steel, heat treated for minimum wear and long service life. It is ideal for sizing and heavy sanding applications. (For 3.5' & 4' model only)

### CONVEYOR BELT TRACKING CONTROL

The conveyor belt tracking is pneumatically controlled to effectively prevent 'out-of-track'.



## 37RK Plus

With thickness feeding conveyor, 75" long sanding belt



## 43RK / 52RK Plus

Big contact drum (Ø250mm), thickness feeding conveyor, 75" long sanding belt, digital readout thickness setting standard.

# HOLYTEK Medium

## Heavy-duty Models

Solidly constructed throughout for continuous heavy sanding.

**3' CAPACITY**  
*37RK Plus*

**3.5' CAPACITY**  
*43K / 43RK Plus*

**4' CAPACITY**  
*52RK Plus*

### AIR PAD (OPTIONAL)

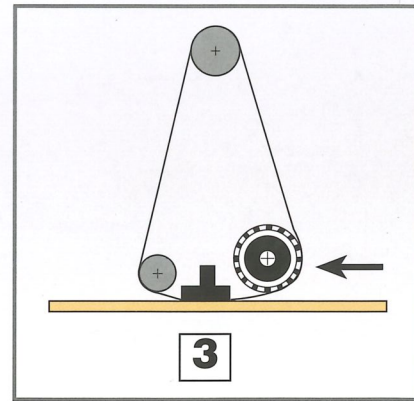
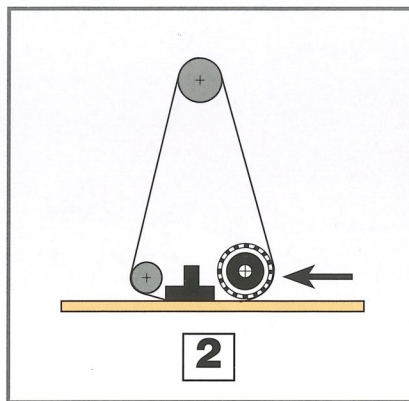
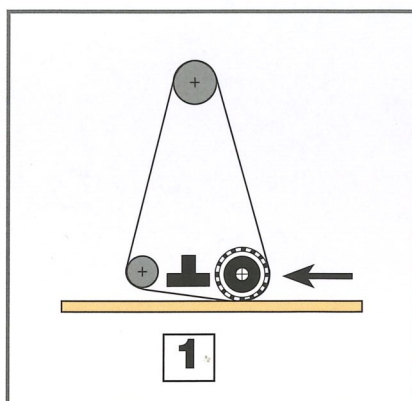
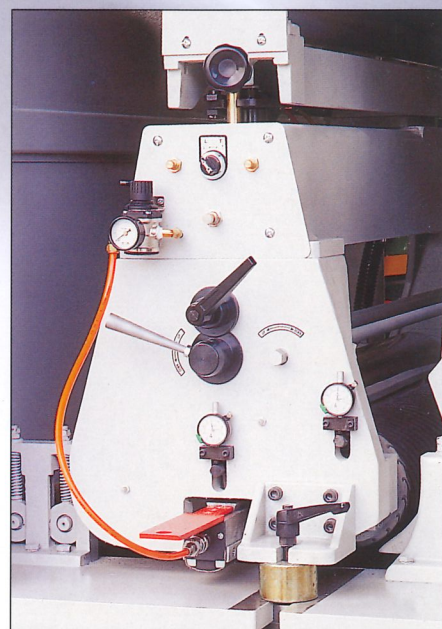
Allows the pad pressure to be instantly re-set for different materials. Hard for solid wood through to light pressure for fine finishing at higher feed speeds. No more time consuming pad changing. Eliminates unwanted curves on workpiece edges. Ideal for sanding veneer.

### AUTO. ANTI-DUBBING SYSTEM FOR PAD (OPTIONAL)

As the workpiece is placed in position, the sanding belt will automatically lower. When the workpiece has passed through, the sanding belt will automatically raise. This function ensures workpiece edges are not unnecessarily sanded. Ideal for sanding veneer.

### SANDING BELT QUICK CHANGE DEVICE

The sanding belt can be quickly changed, saving time and provided added operational convenience.

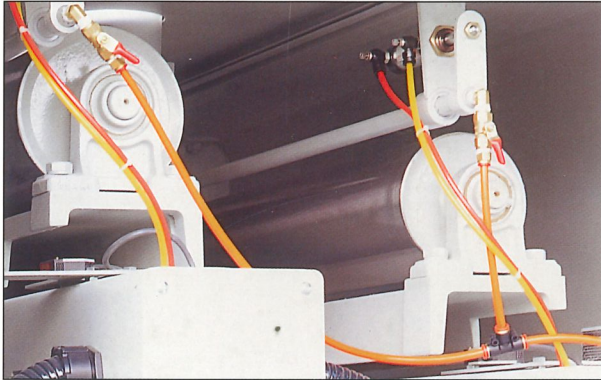


**A choice of three operating modes ensures maximum versatility. (43RK Plus/ 52RK Plus)**

1. Platen up - the sander functions as a contact roller sander only when calibrated with 36 to 100 grit belts.
2. Roller and platen both down - intermediate and final finishing in one pass with 100 to 180 grit belts.
3. Platen down - final finish with 220 to 320 grit belts or lacquer sanding with 400 to 600 grit belts.

## OPTIONAL

- Air jet cleaners for cleaning sanding belt, with or without timer control device.
- Digital readout of height setting for 37RK Plus series.
- CE regulation machines upon request.
- Brushing roller optional for all models.
- Anti-dubbing device with air pad system for veneer sanding.
- Vacuum table for small pieces, or thinner panels.



### AIR JET CLEANER (OPTIONAL)

When operating the machine the oscillating air jet for cleaning the sanding belt and the speed can both be manually adjusted.

**\*Timer controlled air jet cleaner optional.**

## SPECIFICATIONS

MODEL	37RK Plus	43K Plus	43RK Plus	52RK Plus
Working width	910 mm (36")	1100 mm (43")	1100 mm (43")	1270 mm (52")
Working height	125 mm (5" )	130 mm (5.1" )	130 mm (5.1" )	130 mm (5.1" )
Main motor standard	20, 15 HP	20 HP	20, 15 HP (25, 20 HP)	25, 20 HP
Feed motor	2 HP	2 HP	3 HP	3 HP
Table hoist motor	1/2 HP	1/2 HP	1/2 HP	1/2 HP
Feed speeds (Variable)	4-16 M/min (3-26 M/min)	4-16 M/min (3-26 M/min)	4-16 M/min(3-26 M/min)	4-16 M/min(3-26 M/min)
Sanding belt size	37" x 75" x 2	43" x 75" x 1	43" x 75" x 2	52" x 75" x 2
Compressed air required	5 kg/cm <sup>2</sup>	5 kg/cm <sup>2</sup>	5 kg/cm <sup>2</sup>	5 kg/cm <sup>2</sup>
Exhaust volume required	6180 M <sup>3</sup> /Hr	6180 M <sup>3</sup> /Hr	7760 M <sup>3</sup> /Hr	9870 M <sup>3</sup> /Hr
Net weight	1800 kgs	1800 kgs	2100 kgs	2500 kgs
Gross weight	2200 kgs	2200 kgs	2500 kgs	3000 kgs
Dimensions: (L x W x H)	1727 x 1651 x 1956 mm	1778 x 2083 x 1956 mm	2078 x 2083 x 1956 mm	2078 x 2230 x 1956 mm
Packing size: (L x W x H)	1321 x 1778 x 2159 mm	1854 x 1854 x 2159 mm	2032 x 1854 x 2159 mm	2032 x 2460 x 2159 mm

Specifications and design characteristics subject to change without prior notice.

**HOLYTEK** continually research, develop and improve the quality of their sanding machines. Also, they can meet any individual demands according to customer supplied specifications. Holytek welcome all enquiries!

# HOLYTEK

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