

# SUPERMAX TOOLS

Improving Your Greatest Asset...**Time**



## Dare to Compare

Wide Belt Sanders...Only SuperMax Tools offers the unique bundle of features and performance all at incredible pricing, making it the best value in the sanding industry.

**Main motors;** SuperMax Tools uses proven Leeson motors, for the main drive, on all their single phase wide belt sanders.

The **weight** of a wide belt sander is a very important aspect when comparing. The more steel in a sander the less chance of vibration, thus helping maintain a perfect sanded finish along with a longer service life of the sander and components.

The **conveyor motor** is the other critical component in the drive system. Only SMT offers a 2HP, as standard, motor for the conveyor. What this means is a motor that not only has a longer service life, but also will not slow down or “bog” under heavy cuts when fully utilizing the main motor. This prevents a noticeable change of the sanded surface as compared to the conveyor slowing or stalling when underpowered.

**Height adjustment motors.** Having electric height adjustment is not only a convenience; it also reduces set up time and allows for the ultimate in precision when coupled with a programmable digital readout and/or an auto-thickness feature.

Infinitely **Variable speed conveyors** are critical for several reasons, the two most important include the ability to easily fine tune the feed speed to match the desired sanded finish. The other is to easily adjust the load on the main sanding motor to prevent overload. Single or two speed conveyors do not offer an easy adjustment and more importantly do not offer the most productivity from your investment.

Offering a **fully adjustable platen** offers the most versatile combination of sanding styles. The platen can be raised if only sanding with the contact roll for stock removal, it can be adjusted down to sand in conjunction with the contact roll for an improved finish

while still allowing stock removal or it can be adjusted fully downward to the best possible finish when final sanding. Budget wide belts do not have a fully adjustable platen, but rather a removable one, which cannot be adjusted, while other wide belts do not even have a platen!

**Electronic height adjustment** allows operators to adjust the table height without bending over to reach an adjustment handle or having to move to the other side of the sander to reach the hand wheel for height adjustment. Making the height adjustments while standing and near the other operational controls is not only more convenient, but safer and more productive.

The **electronic depth gauge** allows very (incredibly) precise adjustments and settings of the height adjustment. This is the best way to assure proper dimensioning thickness and proper calibration for the optimum stock removal per pass. The electronic depth gauge speeds up set-up time, increases accuracy and helps prevent excessive belt and machine wear.

**Programmable thickness adjustments** take the electronic depth gauge to the next level. This feature assures the absolute most accurate depth settings. Both for proper thicknessing and increased belt and machine life. It also assures that the conveyor has no backlash in the system, thus maintaining very precise side-to-side tolerances.

**Electric eye oscillation** is utilizing an electric eye to monitor the sanding belt location with pneumatic controls keeping the sanding belt within its working limits. This is by far the most preferred method of tracking a sanding belt. Pneumatic only is found on less expensive wide belts and is not as responsive as electronic monitoring.

**Pneumatic conveyor tracking** and tensioning is typically found on better sanders, as it keeps proper tension on the conveyor belt and keeps the belt centered, thus an operator does not need to adjust the conveyor belt to keep it centered properly to avoid damaging the belt. Simply put, no down time and increased life of all conveyor components.

**Infeed/Outfeed rollers** help to support stock on the infeed side to more accurately control its introduction into the sanding head. On the outfeed side it helps to support long parts, give more time for an operator to off-load stock and helps maintain an accurate finish.

**Maximum thickness** is just that, what is the thickest piece of stock that can be sanded.

**Off-set controls.** This means the operator controls are off to the side of the sander and can be easily accessed by standing off to the side of the sander. If the controls are centered you either have to reach over the conveyor or stock being sanded to properly access the controls. Or worse, to have to reach over stock being sanded to access. Both a potential dangerous and cumbersome method.

**Sanding belt size,** 60 and 75” are industry standards, allowing significant sanding between changes and easily obtainable from all abrasive mfg. Shorter belts can be harder to obtain, operate hotter than longer belts and require more frequent changes.