

NT-610ST

Double Surface Planer



INTRODUCING

Northtech Industrial Machinery

Model NT-610ST SPEED TECH SERIES

- High speed & increased horsepower for planing of hard & knotty lumber at high feed rates.
- Horsepower 60 top cutterhead / 50 bottom cutterhead (TEFC)
- Feed motor 10HP Inverter Feed to 200' per minute
- New Patented Northtech cutterhead of 30mm x 12mm x 2.5mm introduces cutterhead technology never before offered in this series of Finish Planer. Patented cutterhead/knife system increases stock removal potential by 40% allows greater feeding speeds (to 200' min.) and facilitates knife change in less than half the time required by 15 x 15 knife system.
- Cutterhead decibel rating to be 75 or less.

- Cutterhead RPM = 4,800
 - All cutterhead bearings to be “Class 7” NKS brand.
 - Top cutterhead powered by 7 ea. V belts (tooth type)
 - Bottom cutterhead powered by 6 ea. V belts (tooth type)
 - Hard Chrome Plated machine bed (.014) is standard on HD Series increasing bed life by 4 to 5 times over cast iron. (Standard machine chrome bed is .008")
 - Patented universal type drive system provides constant feed speeds and extremely high durability compared to older style drive systems of chains and sprockets. This system is very similar to the drive systems of many “new generation” moulders. Extreme duty gear boxes are employed (50% stronger and more durable) than Standard Series. (Special order Japanese manufacture)
 - Conveyor/Spike feed system will be upgraded to a Japan drive chain and roller bearing system. Steel is R58 (spring steel) and will provide 2-3 time the life under higher feeding speeds. System also will include heavy duty drive sprockets incorporated into chain system. (Mfg. Japan)
 - Horizontal brackets housing the 1,500 springs and spikes will be specially heat treated to prevent twisting or bending under load (R-62).
 - Spikes and mechanical springs will be upgraded from R42 Steel to R60 for increased life under heavy load and fast feed speeds.
 - Feeding speed will be increased to 45'-135' min. (variable)
 - Computerized oiling system will be provided to ensure correct lubrication of chains and roller bearings.
- Misting system vs. standard (1 shot).
- Upper plate steel fabrication of 610 will be increased from 17mm plate steel to 21mm plate to provide greater support for 60HP top motor drive system and support of added weight (60HP).
 - Jack screws inside lifting columns will be increased from 25mm to 32mm ensuring long term repeatability and parallelism to machine bed. Also provides extended wear based on additional bearing load being raised and lowered. (32mm is same shaft as 39" Planer)
 - Top cutterhead positioning is accomplished by means of a digital controller

* Data input controller + encoder and ball screw.

- Raising and lowering of top cutterhead is achieved by means of a synchronized “4 column” type lifting system with lubrication.

- “New” rear emergency stop system provides secondary access to quickly shut machine “off”.

- Surfacer allows very easy access to both top and bottom cutterheads providing quick and easy tooling access and maintenance.

- All electrical components are assembled into 1 remote dust proof cabinet with easy access.

- Dust collection requirements: 4,500 cfm.

- Machine dimensions: L107.5" x W67" x H72".

- Machine gross / new wt: 14,800 / 14,100.

- Amperage requirement at 230/460: 300/150.

- Machine tested and ready for installation.

- Includes operators manual and parts book.