

PLANER TENSIONING by AMS Solutions

- Truly Concurrent Force & Position Control
- Reduced Board Impact on the Rolls
- Up to 40% Less Planer Jams
- Extended Roll & Mechanical Component Life
- Lower Maintenance Costs
- Simple Installation with Minimal Components
- Quick Product Changeover – Electronically Adjustable

Combining superior control systems expertise & Bosch Rexroth innovations, AMS has developed an industry-leading, maintenance-friendly planer tensioning system. This system is proven to significantly reduce production downtime caused by planer jams, as well as mechanical maintenance & repairs.

Using the unique simultaneous force & position control feature of the Bosch IAC valve, the rolls are prepositioned to the appropriate height & provide minimal resistance to the impact of off-size boards. Pressure & position monitoring is provided by pressure transducers & a linear transducer wired directly to the IAC valve. This delivers unrivaled response for force variation required by each individual board.

The above described piece-to-piece force control, in combination with the prepositioned roll height setting, eliminates the need for critical timing in the controller. The rolls do not drop into gaps between boards & then get violently impacted by the next board. This results in reduced wear on bearings & cylinder mounts, significantly reducing maintenance costs.

The AMS Planer Tensioning system also handles thin boards with ease. Where conventional systems often require operator intervention, our system detects the thin board, lower the rolls to feed the board forward, & then resets the roll height for the next incoming board. All of this is done without operator intervention. By eliminating thin boards as a cause for planer jam-ups, customers report the AMS tensioning system reduces the frequency of the jam-ups by 35% - 40%.



Rexroth
Bosch Group

System Integrator