

SAMI AUTOFACTORY STAGES



1. TRANSFERRING WOOD ONTO THE LOADING TABLE

The wood is loaded onto the process-integrated loading table, which is equipped with chain conveyors.



2. FEEDING WOOD TO THE SORTER

The sensors of the sorter frame activate the loading table to feed wood to the sorter. The loading table conveys wood onto the sorter's table, against the sorter's frame.



3. PRE-SORTING OF LOGS

The loading table reverses and the pressed logs are released making room for the logs that are brought down from the bearers. The bearers perform the pre-sorting process, that is, some of the logs are brought down and the rest is set straight onto the bearers. Then the bearers start to lift the logs.



4. SORTING THE LOGS

The logs on the bearers are sorted with the help of the sensors. The bearers move inwards according to measurement results, and the outer logs fall out until there is only one log on the bearers. Everything happens automatically.



5. TRANSFERRING LOGS INTO THE WAITING ROOM

After approved measuring, the bearers lift the log up and tip it through the restrainers in to the waiting room where the log waits for transfer conveyor to be available again.



6. TRANSFERRING LOG ONTO THE CONVEYOR, SAWING AND CUTTING

When the transfer conveyor is available, the waiting room tips the log onto the transfer conveyor. The cycle of the transfer conveyor is programmed according to log splitter's feeding cycle, also reverse function is possible. The automatic splitter saws and cuts logs automatically.