OSI machinerie

SCP-24u FEATURES, SPECIFICATIONS AND OPTIONS

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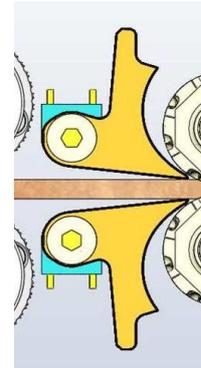
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STANDARD MACHINE FEATURES

Batch feeding calibration
- Face to face segmented feed rolls
- Ensures perfect centering of every work pieces
- Individually calibrates each work pieces
- Follow the shape (cup and/or twist) of every work pieces to prevent splitting
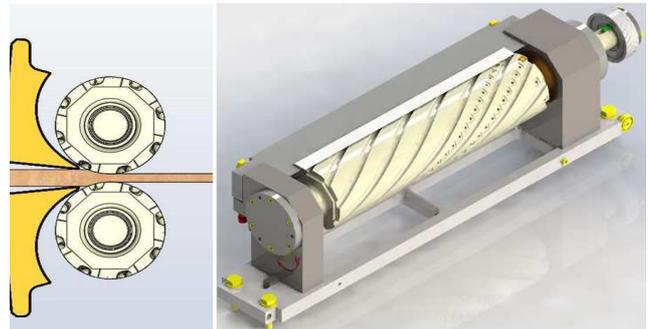

Segmented pressure fingers
- Minimum friction zone eliminates jams
- Self-centering fingers that ensures removal of the same thickness on both work pieces faces
- Segments follow the shape of each board to prevent splitting
- Self-centers thin work pieces so no material is removed
- Well secured work pieces that provides excellent surface finish

Face to face Spiramax heads
- Helical cutter heads with replaceable cutting inserts (Standard four sided inserts)
- Planing / calibrating accuracy of +/- 0.003'' guarantee
- Eliminate burn marks and digging
- Minimize hit and miss
- Plane most possible surface area
- The universal cutter head can be install on the top or the bottom of the planer

Hydro-lock
- Each corner post (4) uses an automatic Hydro-Lock collar to lock the top assembly in position
- 3000 psi is applied in each collar to give extreme holding rigidity to ensure accurate position of the top assembly
- Automatic synchronized screw jack lifting at each corner post with a single digital readout for easy, accurate thickness setting

Short distance between feed rolls
- 24'' center-to-center feed roll spacing
- Single work pieces as short as 24'' will be processed
- Shorter than 24'' pieces will feed through when pushed
- The only work pieces friction is at the pressure fingers. This feature dramatically reduces jamming problems

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STANDARD MACHINE

1.1 SCP-24u general specification
- Board processing thickness from 1/2'' to 5 1/2''
- Board minimum length of 24''
- Hydraulic locking system on each of the four 3'' diameter chromed post
- Digital thickness readout
- Planing / calibrating accuracy of +/- 0.003''
- Length of 84'' (98'' including the electric panel)
- Width of 72''
- Height of 84'' (100'' including the electrical panel)
- Working height of 36''
- Weight of 17 000 lb
- Operator controls can be installed on the right or left side of the planer
- Two waste outlet vacuum of 12'' diameter (one per cutting head)
- SCFM requirement of 3925 SCFM minimum for each of the 2 outlets. Speed of 4500 FPM at 5'' water static pressure. Must be brought to the machine by the customer.
- 90 PSI static air pressure required from 1/2'' pipe

1.2 SCP-24u feeding
- 4 motors of 3HP, with AC variable drive
- Speed from 60 to 100 ft/min for a full width batch, manually adjusted directly on the drive
- 24" minimum through feed board length (shorter boards need to be pushed by the following board)
- 2 sets of top/bottom centering rolls with aggressive grip on the infeed
- 2 sets of top/bottom centering rolls with softer grip on the outfeed

1.3 SCP-24u cutting heads
- Helical cutter heads with replaceable cutting inserts
- Universal heads that can be switch on the top or the bottom of the planer
- Universal heads can be removed from the planer on the right or the left side
- One piece steel head
- 150 mm diameter cutting head 4+4
- Cutter speed of 5 800 rpm
- 2 motors of 40HP (one per cutting head)
- Maximum thickness to be surfaced on each faces of 3/8"

1.4 SCP-24u electrical panel
- 460 Volts, 60 Cycles, 3 Phases (200 Amp. if motors of 40HP and 400 Amp. if motors of 75HP)
- CSA and UL approved
- Machine control buttons
- Ampere level display
- Excessive thickness limit switch
- Emergency stop
- "Zero speed switch" authorization door opening

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AVAILABLE OPTIONS

2.1 Speed increase up to 160 ft/min for a full width batch
- Replacement of the cutting heads 4+4 for 5+5
- Replacement of the 40HP motors for 75HP
- Electric modification for 75HP motors
- Maximum thickness to be surfaced on each faces remain at 3/8"

2.2 Braking module "benshaw"
- To stop 40Hp and 75Hp motors in around 30 seconds
- Provide the authorization to open the doors
- Electric modification for the braking module

2.3 PLC and interface
- Replace buttons by a new touch screen NB5
- Add PLC CP1
- Current display
- Production reports
- Laptop computer installed in the panel for remote connection and download production report

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