

X SERIES

Enhancements for CAM Machines

The X Series of features create the next generation of CAM operated machines. When added to CAM operated concrete products machines these features combine the precision of cam driven operation with new, automated features.

Automated features allow for simple operation, production versatility through fast mold changes, height changes and material feed control. Production of precise, high-quality products, including slabs, pavers, brick, architectural block and segmental retaining wall products are easier than ever, cycle after cycle. Producers with frequent mold changes will appreciate the features that combine to reduce mold and height change time to 20 minutes or less.



Quick Connect ASV

Eliminates the bolted coupling of the Advanced Servo Vibration drive to the vibrator shafts. Hardened, "Jaw Type" teeth couple together with no bolts. The operator simply slides the ASV motor back and forth to engage the vibrators.



Material Feed Dosing Drum

Meters a precise amount of material into the feedbox using a rotating drum combined with an adjustable gate. The amount of material placed into the feedbox is determined by a laser measuring the height of the material. A scraper cleans the drum every cycle and deposits the material back into the feedbox.



Adjustable Cut-Off Bar

Allows the operator to have the cut-off bar high when going out over the feedbox and then lowering it to clean the material off the mold top plate. This also replaces the autofeed mechanism for depositing the correct amount of material into the feedbox and keeping it level.



Automated Head Clamp and Clean Out Mode

Eliminates the need for a person to be on the machine to tighten stripper head bolts. An adapter is required to be bolted to the stripper head plate. "T" Bars hydraulically lift and lock the head tight against the frame.

The stripper head safety chain has been replaced by a position monitored latch (seen on the left top) which will lock the stripper head frame in a safe position for cleaning the stripper shoes and the agitator grid.

Automated Apron Plate Adjustment

Eliminates the time needed to adjust the apron plate to the back of the mold top plate with the correct gap. An innovative hydraulic circuit controls cylinders which push the apron plate up to the mold top plate. When it senses the plate a specific amount of oil is injected into the rod end of the cylinder to move the apron plate back to maintain an exact 1/32" gap. No wrenches or fasteners are required.



Quick Adjust Height Pins

Allows the operator to leave the wrench in the toolbox when adjusting the upper height pin. Hydraulic nuts release pressure to loosen the support clamp. Once adjusted, a button is pressed on the operator control station to clamp the height pin in place.



Stripping Cylinders and Automated Inner Frame Adjustment

Eliminates cam inserts and automatically adjusts the inner frame for height changes. The stripper head linkage is replaced by a cylinder which controls the stripping depth and also eliminates the need for spring gap adjustment. An electric motor, with four ball jacks, raises and lowers the inner frame and locks it into place.



Support

Like all Besser equipment, the X upgrades are supported by responsive, resourceful Besser employee-owners, all dedicated to your success. Besser provides attentive customer service including parts and technical service along with the industry's most comprehensive education and training.

	ASV Quick Connect	Auto Apron Plate	Auto Cut-Off Bar	Auto Height Pin	Auto Head Clamp	Material Dosing Drum	Stripping Cylinders & Auto Inner Frame
Vibrapac®	SOP	SOP	NA	SOP	SOP	NA	NA
Dynapac®	SOP	SOP	SOP	SOP	SOP	SOP	Recondition
Ultrapac®	SOP	SOP	SOP	SOP	SOP	SOP	Recondition
Superpac®	SOP	SOP	SOP	SOP	SOP	SOP	Recondition



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