

Engineered solutions  
for clean processes



MATERIALS OF CONSTRUCTION - GENERALLY SS304/ACETAL COPOLYMER  
OVERALL EXTERNAL FINISH - SS304 180 GRIT OR 0.8µm / INTERNAL FINISH  
TO 0.4µm/MILL FINISH 240 GRIT OR 2B/DAIRY

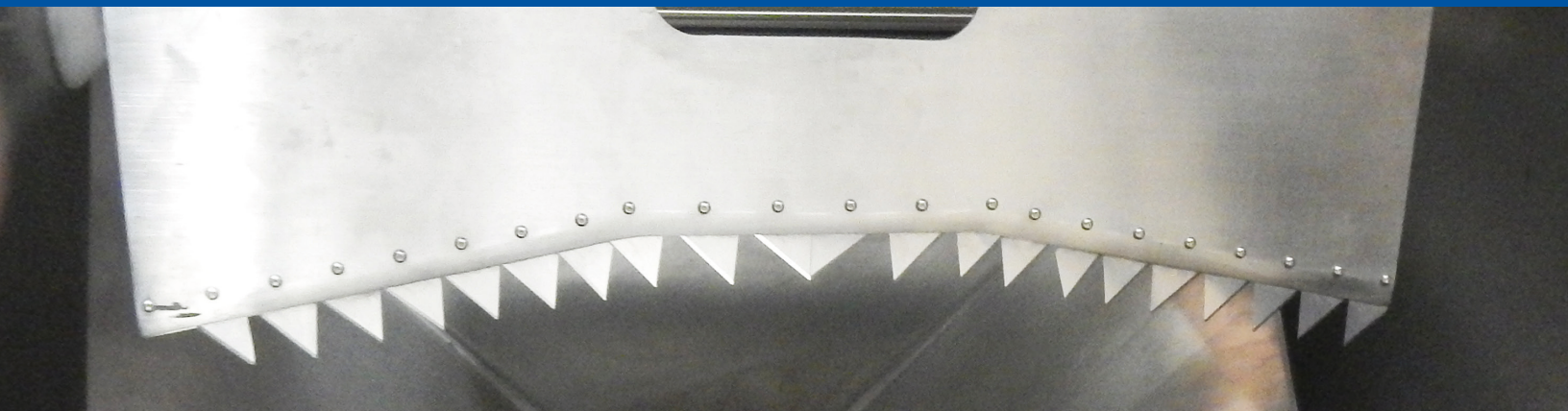
This range of machines has been designed to fit in the same neat footprint of a typical Sack Tip unit. Each option of machine has a 600mm wide inlet and opens sacks at rates of between 2-4 per minute dependant on the nature and flow of the product and operator work-rate.

The benefit to industry of this unique machine design is within the principle of operation which allows the machine to be offered in three configurations - The F-AST-600 fully automatic operation, the E-AST-600 an enclosed unit incorporating operator control and Glove Ports and the S-AST-600 operator controlled Semi Automatic Sack Tip.

Each option utilises the same cutting and shaking action. On all the machines the product discharge shaking time can be pre-determined with the automatic machine having a secondary shaking cycle inbuilt. The Enclosed Sack Tip and the Semi Automatic machine have the facility for operator to manually shake the sacks in a secondary discharge process.

A unique design feature of this complete range of machines employs a simple operator process allowing the majority of internal machine components to be removed for cleaning so in industries such as Food and





Dairy on products such as milk powder and infant formula, or Pharmaceuticals the issue of cross contamination of product is controlled.

The Fully Auto Sack Tip 600-4 - (F-AST-600) maximum throughput 4 sacks per minute with an emptying efficiency of 99.95% (dependant on nature and flow of product)

The F-AST-600 runs on a completely automatic cycle responding to a sack entering the infeed , cuts the sack, discharges the product and ejects the sack material

The F-AST-600 is pneumatically powered and can be supplied as a fully pneumatically controlled machine making it highly suitable for the most arduous ATEX/Hazardous environments. It can also be supplied with an electrical control system

Optional infeed conveyors can be supplied with the machine, from gravity roller bed type to a Horizontal or Inclined powered belt type

Optional Outfeed Empty Sack Collection systems are available, from a basic sack collection bin with Polythene inner liner to a pneumatically powered Ram-compactor unit or a Screw compactor unit with extruding polythene sack collection system

For maximum dust management an integral dust extraction unit can be fitted or a simple dust extraction spigot to connect to customer's own plant dust

extraction system

Optional product outlet types available are gravity or vibratory chute, screw/ flexi screw conveyors, aero-mechanical conveyors or vacuum transfer conveyors. All options are configured to suit customer needs.

The Enclosed Semi-Automatic Sack Tip - (E-AST-600) maximum throughput 2 sacks per minute with an emptying efficiency of 99.95% (dependant on nature and flow of product and operator work-rate)

In this second option the machine is offered with Glove-ports allowing the operator to control the final emptying and discharge process.

The sack is fed into the E-AST-600 machine through the inlet hatch and when it is in place the operator can control the cut and shake of the sack by depressing dual safety interlocked control buttons to initiate these operations. When the control buttons are released the machine process stops and the operator may access the machine via the Glove ports to give the sack a further shake to discharge maximum product and then post the emptied sack into the sack outlet collection unit.

This configurations of machine offers all the same options as the F-AST-600 on infeed, outfeed, empty sack outlet, dust extraction, machine finishes, unique cleanability facility and control options

The Semi-Automatic Sack Tip - S-AST-600

maximum throughput 4 sacks per minute with an emptying efficiency of 99.95% (dependant on nature and flow of product and operator work-rate)

In this option of machine configuration the cutting and product discharge operations are again controlled via the operator using the safety interlocked control buttons. On release of the two buttons the S-AST-600 machine process stops to allow the operator to access the machine through the infeed hatch (or side access door) and handle the sack to shake and further discharge product and post the emptied sack into the sack outlet collection unit. Again this configurations of machine offers all the same options as the F-AST-600 on infeed, outfeed, empty sack outlet, dust extraction, machine finishes , unique cleanability facility and control options.

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