

CATALOG
C24

EMI[®]

CONVEYORS &
AUTOMATION SYSTEMS



ATS Rotating Drum Part / Runner Separator

ATS separators are a versatile, functional, and economic means of part/runner separation. The design of the ATS separator takes into consideration all variable factors that affect separation such as cycle time, speed, gap and process angle, isolates them, and makes them definable by the operator.

Features

- Standard variable speed drive to fine tune and optimize the product flow and separation.
- Ten separation gaps.
- Spiral design slows down parts and eliminates parts from sliding through drum.
- A single point roller adjustment.
- Height & angle adjustments require no tools.
- A wide, durable industrial steel base.

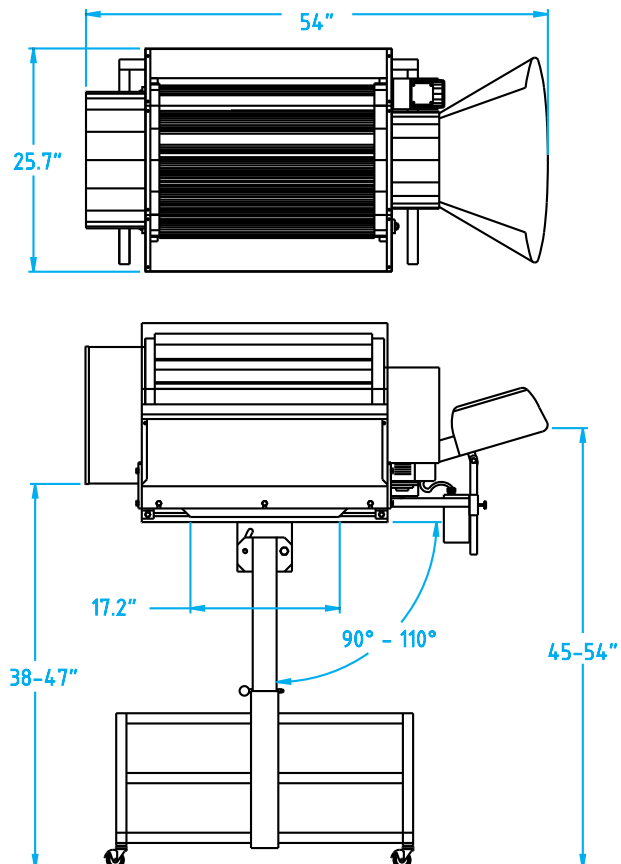
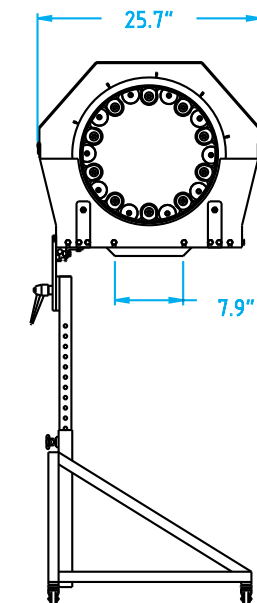
Common Options

- 90° Infeed chute.
- Stainless steel rollers.

We will test your parts and runners on our equipment and contact you with our recommendations.

See "Part-Runner Separation Evaluation:" on page 125.

Model ATS



ATS Rotating Drum Part / Runner Separator



Features:

- ATS Separator
- SST chute and hopper
- Deionizing unit
- Aluminum extension rails and corrwall covers

Single Point Adjustment



ATS Separator features a single-point roller adjustment that allows the gaps between all 10 rollers to be spaced and set by a single control screw.



Model ATS - 1000

Cycle time: Can affect separation because if too many parts and runners are in the process at one time, they can interfere with each other and prevent proper separation. The ATS has a special metering section at the beginning of the drum to ensure all parts and runners flow through the process without interference and utilize the separation drum's entire length. Because of this metering section, the separation process is continuous and consistent.

Angle: Most separation devices utilize gravity as part of their means of parts separation. The degree of angle that the parts and runners cascade through the process can greatly influence proper separation. To help benefit from the use of gravity, the ATS separator has an adjustment that can change the angle of decline further ensuring maximum separation.

SL-18 Pin Style Part / Runner Separator

Flat-Belt Separators: Available on Models: ADF, DDF, EAF, RM & CLR with 12" and 18" belt width.

A versatile part/runner separator normally positioned at the end of an under press conveyor. The unit incorporates interchangeable pins (pull out and reposition to achieve the best separation rate), a double "True-Track" belt guidance system, an enclosed protected drive, and a stainless steel infeed chute. This part/runner separator is available (as an option) for conveyor attachment.

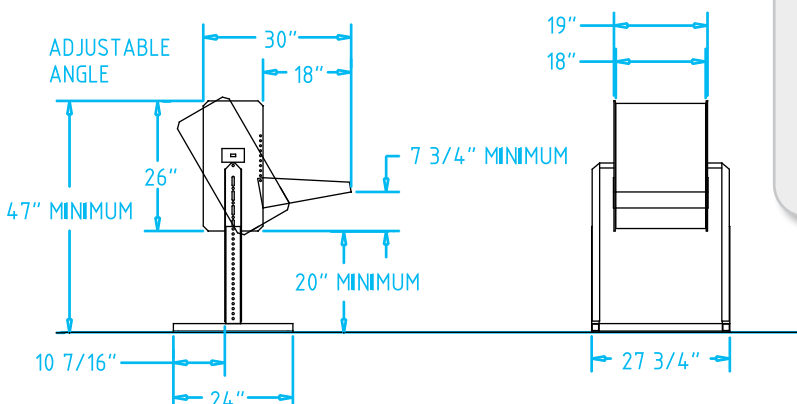
Features

- 18" Belt Width.
- 40 FPM Belt speed standard.
- Heavy-duty "Industrial Use" construction.
- Interchangeable 2¾" long pins, available in shorter lengths as required.
- Pins are available blunt or tapered. Both styles are available in HDPE. Tapered pins are also available in nylon.
- 16-gauge stainless steel adjustable position infeed chute.
- Double True-Track belt guidance system.
- 12-gauge adjustable height support stand.
- EMI Separators are shipped completely assembled, simply position the legs and they're ready to run.
- 3-Year Limited Warranty, see page 3.



Common Options

- 60 FPM constant belt speed.
- 0–100 FPM variable belt speed.
- Spare pin belts.
- Extended separator head, in 12" increments.
- Alternate pin styles & materials.



How to Order:

Specify one of the following options for your belt conveyor/separator combination:

- Option F-1, 60 FPM Constant Belt Speed
- Option F-2, 40 FPM Constant Belt Speed
- Option F-3, 0-100 FPM Variable Belt Speed
- Option F-6, Extended length separator head, in 12" increments. Specify desired extension length.

SL-18 Pin Style Part / Runner Separator

Stand-Alone



Features:

- Deionizing bar
- Containment hood
- EA-PLC Controller for bad shot reversing
- Polycarbonate covers and extension rails

Connected to a Flat Belt Conveyor



Part-Runner Separation Evaluation:

What we need:

- 1. Sample Parts and Runners**
 Send us three complete "shots". Be sure the runners are typical of the runners that the separator must work on. If you run a fast cycle and the runners "curl up", send us those runners.
- 2. The Cycle Time**
 In seconds.
- 3. Conveyor Style**
 Your preference of conveyor style, such as flat belt or cleated belt.
- 4. Press Dimensions**
 Fill out the appropriate press dimensional data form, located on pages 178-179.

Send samples to: EMI Corp. 28300 Euclid Ave, Wickliffe OH 44092 (Be sure to include your name, phone and company name.)

STN / STN-LK Rotating Drum Part / Runner Separator

Model STN-LK - Great for caps and closures!

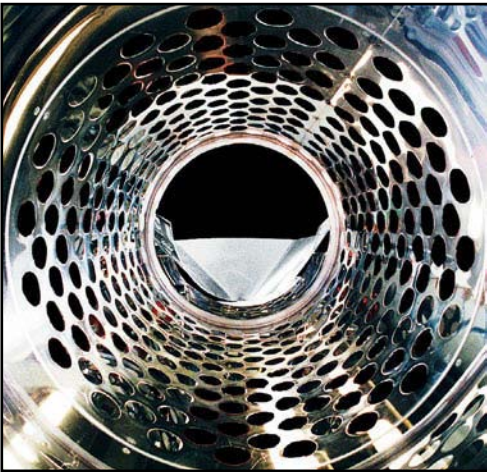
The STN-LK drum separator sorts dissimilar sized parts a different way. This popular design has tubes welded to the outside of each hole. It is an excellent choice for applications with sprue/runner systems that tend to slip through simple round holes and pivot, wedging them into the hole. The tubes prevent the sprues and runners from pivoting, allowing them to easily pass through the system. The drum has specific diameter holes throughout its length that are sized to allow smaller parts through the holes and everything else passes down to the end of the process.

Model STN - LK (larger drum diameter)

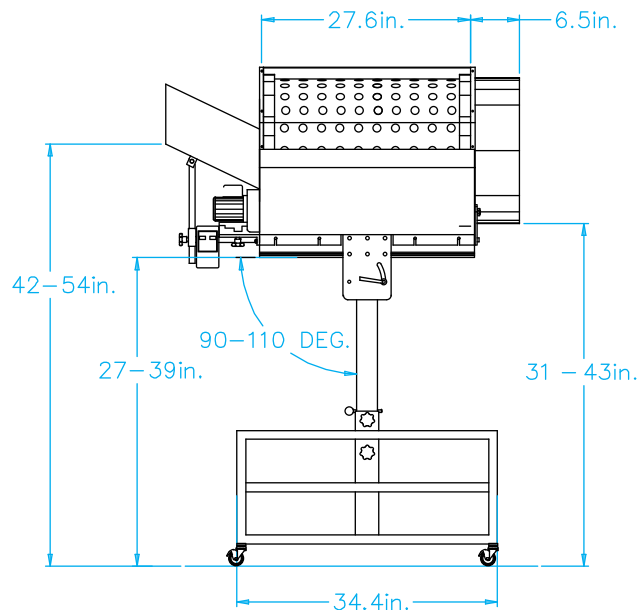
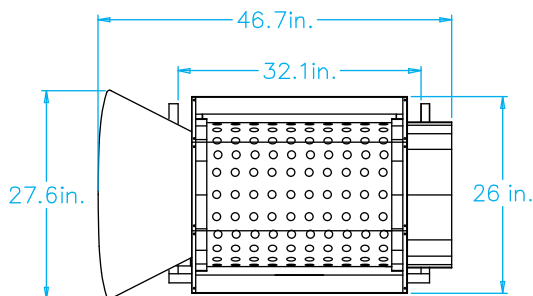
Length: 48"
Width: 27.6"
Height: 39.3"

Model STNP - LK (smaller drum diameter)

Length: 48"
Width: 19.6"
Height: 39.3"



Individual drums are removable, allowing one base to serve multiple drums.



STN / STN-LK Rotating Drum Part / Runner Separator



Click for a 360° View!

Features:

- STN-LK Part separator.
- Portable table to catch runners.
- SST extension rails and corrwall cover.
- Adjustable work table with overhead light and discharge chute.

EMI Part/Runner Separators mechanically separate sub-gated parts (not attached to a runner) and are not intended to be used to break parts away from a runner.

Each separator is intended to be used in conjunction with or attached to an EMI belt conveyor. A typical application places the belt conveyor under the press and mold to catch the shot, then move the parts and runners out of the press and separate them into two different containers or onto additional conveyors.

