

Super-Flex Interchangeable Resin Systems - Dryers, Loaders and Color Feeders that work together to meet your needs.

The Super-Flex Interchangeable Resin System is designed to meet your current needs and grow as your needs change in the future. You can choose from compressed air loaders, electric loaders, central loading systems, color feeders, blenders and dryers.

All of the components are stainless steel polished inside and out. The seals are dust free rated at over 100 PSI. They are suitable for even the most demanding medical applications.

The Easy Clamp system allows you to quickly change components, clean and adapt to different size fittings and custom flanges - you will never have to fight a hose again. All of the seals are machined with injection molded gaskets providing a dust proof no ledge seal.

We are certain that the quality of the Super-Flex line will provide decades of service which can be passed on to future generations.

Super-Flex Features

- Polished Stainless Steel inside and out
- Dust Free connections, up to 150 PSI
- 3A Standard Sanitary Finish
- Clean Room Ready
- Easy Clamp System
- No lips or ledges to catch material
- PLC Controls
- Clamps to attach hoses
- Heavy Duty Construction
- Limited 5 year warranty



"Our goal is to create the highest quality resin systems available at an affordable cost"
Donald Rainville - President and Founder
Advanced Auxiliary Equipment Inc.

My Family has been in the plastics machinery business for four generations. We introduced at least six successful companies to the industry including Conair, Una-Dyn and Foremost.

In all that time we have never been as excited about a new product as we are about our new Super-Flex Interchangeable Resin System. It is so innovative that it will change the way plastic processors manage their daily resin requirements.

Dust free whisper quiet loading! No moving parts and simple controls makes our CA Series loaders the most reliable choice for press side loading.

CA3 Series Features

- Dust free machined seals with gaskets
- Polished Stainless Steel, inside and out
- Whisper quiet
- Low energy consumption
- Draws from the deepest gaylord
- Simple automatic controls
- EZ Clamp quick access
- Clamp on hose
- Replaceable wear plates for abrasive materials
- Complete package ready to load
- Optional magnet
- 2 or 3 inch sight glass and throat opening
- Medical molding ready

CA3 Series loaders are a great solution for molders running up to 300 pounds per hour.

Our low cost “Just In Time” loader is perfect for molders needing a single line loader. The dust free whisper quiet design is a good addition to any molding room. It is easy to clean and constructed of heavy polished stainless steel. The smooth polished walls combined with our machined flanges lets material flow without obstruction or ledges to catch material when you change jobs.

Our unique material conveying system will convey material from the deepest gaylord and last for years because of its stainless steel construction.

You will be amazed by our quality! In fact over 30% of our customers are so impressed after they get their first loader they buy more in less than 6 weeks.



**New
No-Load Alarm
Don't buy a Loader
without it!**



WWW.DRYERS-LOADERS-BLENDERS.COM

The Series CA6 loaders are your solution if you want to mix more than one material, run dusty materials or you want a dust free medical clean room.

CA6 Series Additional Features

Internal self-cleaning filter

One or two material

PLC control with digital timing

Self-cleaning filters reduce or eliminate filter cleaning until the end of the job.

Our loaders don't leak dust so the only time you can spill dust is when you clean the filter. With our self-cleaning filters you may never have to clean the filter until the job is done. You can also remove the chamber with the filter and clean it in a controlled area away from the machine.

You can mix your regrind and virgin material with our PLC control. You can adjust the loader to load each material for as little as a few tens of a second providing a good repeatable mix. When you run the job again just set it up the way you ran it before.

CA6 Series PLC Control with digital setting of one and two material loading and filter cleaning parameters



New option for blending on the machine throat!



CALL NOW (800) 918-5820

Need to load a hopper with dusty regrind or pellets up to 1000 pounds per hour?



Our low cost solution with an oversized filter will make short work of your most difficult applications.

We offer package solutions for loading hoppers, feeders and drums from up to 30 feet. We easily can handle your most dusty regrinds because we have an oversized filter that is over nine inches in diameter. Our stainless steel construction and easy access make our compressed air hopper loaders the best choice for today's molders.

Choose a control to meet your needs, no controls with a simple hand valve or a control that turns the loader off when the hopper is full.



Ask us about automatic dust free unloading of your grinders and our nest able drums!

Convey from your dryer with dry air using our Shure-Dry Dry Air Conveying adaptor.



Never worry about regaining moisture again!

Our Shure-Dry Conveying adaptor conveys from dryers to your machine without any wet ambient air. Your material will stay dry when conveying and at rest on the machine.

Optional Self-Cleaning Bag filter for CA6 Series Loaders



This coated bag filter can handle even the most challenging materials with small dust and fines. If you want to stop changing filters this is the ultimate solution. The bag is combined with a unique venturi blow back system that has more airflow than the conveying air..

New No-Load Alarm You can add to any "Just In Time" Loader

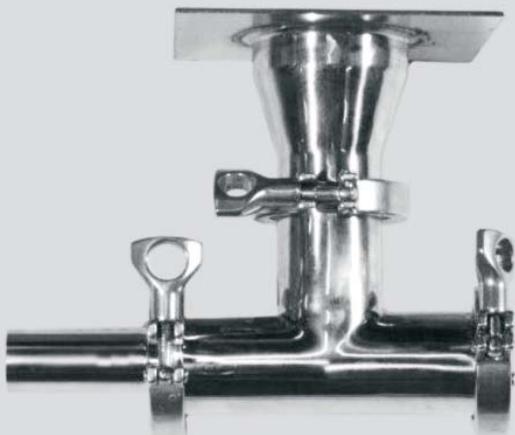


This No-Load alarm is plug and play with most compressed air loaders. If you go 10 seconds without loading it sounds a loud two tone alarm. Our customers tell us it saves them \$1,000s and they will not buy a loader without it.

EZ Clamp clamp on 2" & 3" slide gate



Vacuum and compressed air take-offs 1.25" - 3" OD



Vented material wands with accelerators that can draw from the bottom of the deepest gayload.



Grinder Spikes up to 2" OD.



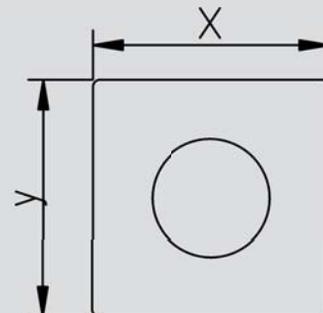
In line accelerators.



Clean Room exhaust system.



Custom Flanges to match your machine



CALL NOW (800) 918-5820

New **Remote-Vac** Press Side Loaders No more filters to change and heavy motors over your machines!

Remote-Vac Loading systems are competitively priced and can easily be upgraded to a central system.

Dust free operation

In Chamber fines separator

Quiet operation less than 76dba

Reduce lost time injuries

2-5.5 HP Motors

Machined seals and gaskets

Polished Stainless Steel

ISO 2852 / Class 3A Finish

Machined center balanced flapper valve

Replaceable wear plate / deflector

EZ Clamp quick access system

Clamp on material hose

Solid State Control

Adjustable material wand

Circuit breaker

Rated up to 1200 pound per hour

We have reinvented press-side loading.

We took the filter and the motor off the vacuum chamber and moved it to the floor for easy access. We replaced the filter with a fines separator that allow only the small fines to pass to the filter. Our Remote-Vacs are very quiet too with most of them running below 76 dba.

When it is time to clean the filter just take the Remote-Vac out of the molding room insuring that you never spill any dust or pellets on the machine or floor. You can add a spare Remote-Vac eliminating any down time at all for filter changing or maintenance.

Do you know that changing filters is a major cause of lost time injuries. It is not uncommon to get a back strain or fall leaning over a ladder and lifting a heavy lid and motor. Still more accidents are caused by slipping on plastic that spills on the floor.

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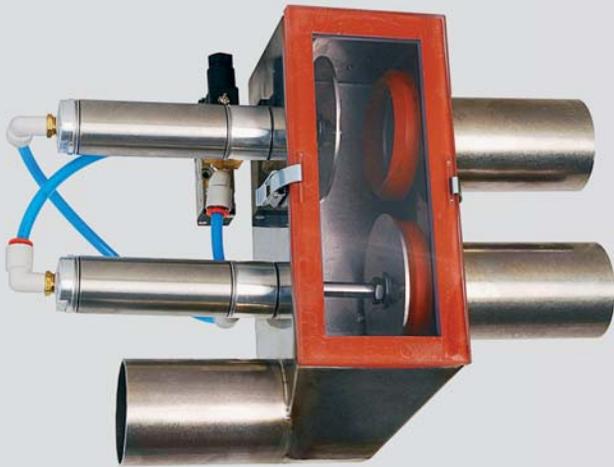


Once you try one you will never go back to filters and heavy motors on the machine!



Vacs and Pumps to match your Application and budget.

Single and dual stage with brushes and brushless vacs, regenerative blowers and positive displacement pumps are available. You can start with the lowest cost Vac and upgrade later to a three phase pump or a central loading system. All of our Remote-Vac systems are compatible with central systems.



Stainless Steel two material proportioning valve.

Easily control the proportion of two different materials. Simply set the percentage of the first material, normally virgin, and then the number of layers you want during each load. Four or more layers will provide a good mix when the chamber unloads.



Choose a Vacuum Chamber

Our 8 inch vacuum chambers are available in 6 or 17 pound capacity. They feature food grade stainless steel polished inside and out. All of our flanges are machined with molded permanent gaskets..

We offer glass tubes 3, 4, and 6 inches in diameter with capacities up to 17 pounds.

All of the chambers feature our "Clamp-On" design including the material hose for quick access.

Choose a filter system that eliminates filter cleaning for your application.



Conic Screen fines separator for most pellets and regrind.

The Conic Screen Fines Separator allows small fines to pass to the filter while deflecting pellets and regrind into the chamber. For most materials they require little or no maintenance.



Bag filters for extremely dusty regrind and powders.

Small bag filters are suitable for dusty regrind and course powders. Large bag filters are used for extremely fine dusty regrind, regrind with specific adhesion problems and powders. All bag filters require the PLC Control option for pulse cleaning the filter with compressed air.

The large bag filter is 4 " X 15" with a snap in ring and cage. It is contained in an additional cylinder that is 15 inches high. The small bag filter is held in place by a hose clamp. A venturi compressed air filter cleaning system keeps the filter clean.



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Central Vacuum Loading Systems



Food grade heavy duty polished stainless steel vacuum chambers

Super-Flex vacuum chambers utilize our “Clamp-On” with components that comply with the food industry class 3A standard. All of our connections are machined ferrules with injection molded gasket which are permanently glued in place. Our glass tubes are thick high temperature glass with one piece machined ends.



Fines separators, small and large bag filters with pulse filter cleaning



Quick Access Vacuum Valves

Featuring the “Clamp-On” design you can replace a solenoid valve, cylinder and seal in less than one minute. The oversized solenoids are less likely to fail and you will see the LED light when they are actuated. The air cylinders are powered in both directions for improved reliability.

Two material Valves

Stainless steel two material valves provide proportioning of two different materials. The powerful double acting cylinders alternate between two different material lines. Controls are available as stand alone for existing systems or incorporated into central controls.

Remote-Vac and regenerative vacuum pumps



Remote-Vacs are a low cost industrial solution for a quiet vacuum pump with filters that are easy to change.

Remote-Vacs feature Ametec Ultra long life motors. The life expectancy approaches brushless motors with three time the life of standard motors.

Filtration has a double cone cyclone with a mechanically self-cleaning inverted bag filter. The cloth bag is domed shaped with a center weight. It rises under vacuum and falls when the vacuum stops.

Regenerative Blowers are available for high capacity systems and long runs.

Regenerative blowers offer three phase reliability and the power to draw long distances. They are quiet and require less maintenance than positive displacement pumps. They are available with vacuum breaker valves, vacuum gages and vacuum relief valves. Filters are available with bags and cartridges with and without pulse clean.

Electronic and PLC Controls up to 200 stations

Control systems are available from one to 200 stations. TECO, Allen Bradley, and Siemens PLC based controls and a low cost single station control feature simple user interfaces. Full color HMIs are also available.

The TECO based LC Series controls are designed for easy installation with connectors for cables to chambers and pumps eliminating internal wiring and installation cost. The 24 volt DC system can be run without conduit and wire tied to the vacuum line. The LC Series control features a plain English HMI simplifying system setup.



“Clamp-On” Color where you need it! No more buying feeders for each machine.

Gravimetric feeders that eliminate the need for calibration before jobs.

Super-Flex MGF Series

- Dual load cell system
- Stepping motor
- Microprocessor control
- Stainless steel screws & barrels
- Easy access for maintenance
- Large color hopper
- No tools assembly system
- Alarms and alarm light
- USB log download
- Color loading options

The Super-Flex MGF Series feeders are available with four standard modes of operation. Cyclical for injection molding, continuous, extrusion following and rate (vol/hr) for extrusion. The 100 RPM stepper motor advances at 200 steps per rotation achieving fine metering resolution of $\pm 0.2\%$.

Automatic re-calibration ensures continuous accuracy. The density of additives can change from lot to lot or even from the top to the bottom of your drum. Re-calibration continuously adjust to changes in density saving you money and reducing color related problems.

Dual load cells provide a balanced load for accuracy. Our load cell system only weighs the color hopper improving our accuracy and reducing error caused by vibration.



Our microprocessor is easy to use and will save you time at startup. All you need to do is enter your shot size and your color ratio and the control does the rest. You will save time and reduce material waste when you start a new job. The USB port allows you to download a log of your feed cycles to verify the feeders performance and for trouble shooting. You won't have to worry if you are getting the right amount of color because you can easily verify the feeders performance.

The clamp on design facilitates cleaning and offers a unique portability. All of the seams are machined stainless steel with molded O-ring seals.

Feeders can be combined with a variety of loaders. Regrind valves are available to proportion regrind.

Low cost blenders for small Machines.

SMB Series Blenders

Accurate for one gram shots with 1% color

Perfect color dispersion

Minutes from a dryer to the machine

Packaged with loaders

Easy clean "clamp-On" Design

PLC Control with digital set points

Plain English display

Portable to service many machines

A low cost blender that can blend small shots as low as 1% color

The SMB Blender consists of two color feeders that are floor mounted. Instead of feeding when the machine cycles they feed virgin and color when the loader calls for material on the machine. The feeders feed three or four shots of material up to 350 grams which brings the amount of color up to an amount the feeder can feed consistently. The feeders feed material into the conveying airstream so the material stays proportioned and has no additional opportunity to separate. Color is always in proportion to the virgin material, the regrind is pre colored so it is much less critical how the regrind is feed into the system. After the material arrives at the feed throat it is blended one final time with the regrind if required.

SMB Blenders are affordable. A complete system starts at less than \$7,000 which is about half of the cost of a conventional blending system. They will deliver a much better color mix every shot. SMB Blenders come with a stand and casters

are optional so they can easily be moved to the machine or staging area when required. Compressed air and electric loading systems can be provided that can convey long distances removing the blenders from the machine floor.



The SMB blender uses Turbo Blend technology to re blend the material once it arrives at the feed throat. In most cases the material arrives pre blended as it is fed onto the conveying stream in the correct proportion. In some cases with low percentages of color it is necessary to re blend the material. The SMB Blender starve feeds each shot so there is no place for material to accumulate and separate.

CALL NOW (800) 918-5820

FH3 3 cubic feet floor hopper and Re grind management Systems.



The FH3 is designed with a small foot print to hold up to 150 pounds.

The FH3 is roto molded with heavy wall HDPE and mounted to a sturdy square tube frame with casters. We offer a unique "Clamp-On" vacuum take off to eliminate the struggle to mount a flex hose.



The grinder unloading kit includes a stainless steel lid with oversized filter, Flexible 180 degree elbow to eliminate hose twist, a grinder accelerator spike, Solenoid valve, on/of control and filter regulator.



(800) 918-5820

*Innovative Solutions
For
Injection Molders*



De-Dusting systems

De-Dusting systems are used to remove fines and dust from material being conveyed. The material is blown into the system by an accelerator and the fines are drawn out of the material through a perforated tube with the airflow. Additional suction can be applied with an venturi or a Remote-Vac to capture the fines. The cleaned material can then be drawn from the "Clamp-On" vacuum take off for processing.



All Hopper systems
all are available for
55 Gallon drums

Never use compressed air to unload a grinder without a on/off timer. On/Off timers can save up to 98% of the compressed air used.



Advanced
Auxiliary
Equipment

P.O. Box 810, Cobbs Creek, VA 23035