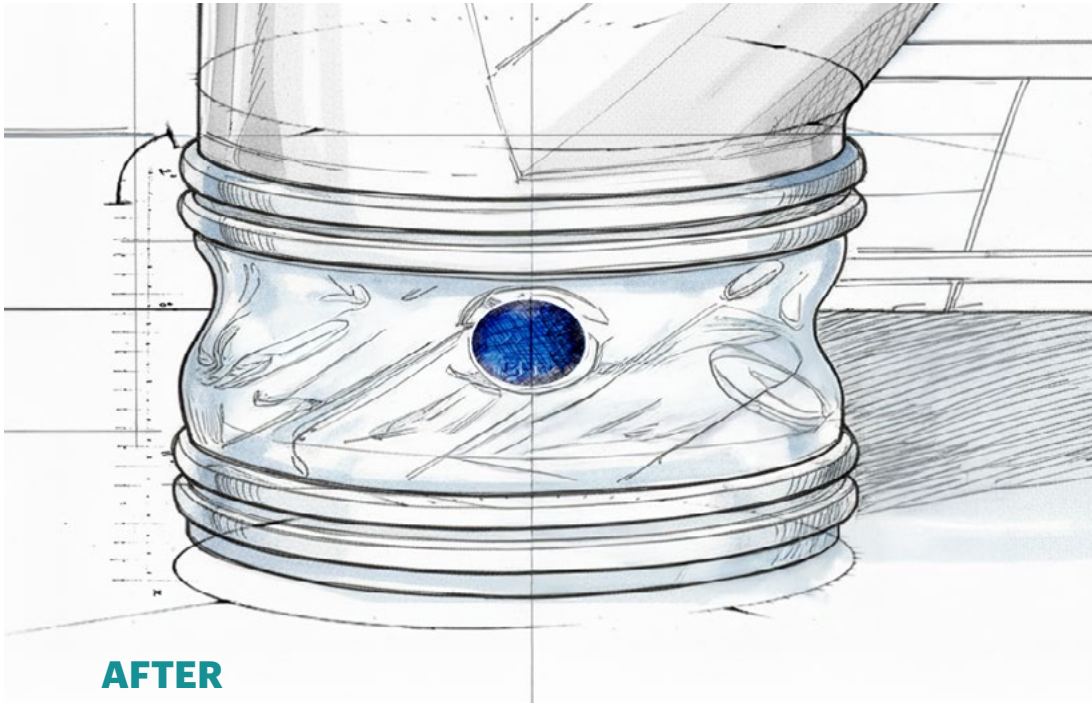
BFM® Australia

CASE STUDIES.

Everything we do at BFM® is driven by one goal — helping bulk processors create cleaner, safer, and more efficient operations. We know results matter more than words, so we're proud to share real stories from customers who've transformed their plants using our BLUEBAND™ flexible connectors.

Explore these case studies to see the difference they've made in facilities just like yours, all over the world.





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Boosting Productivity & Hygiene for a Global Leader

MSG - Monosodium Glutenate

Case Study courtesy of BFM® Distributor Suprir Industria de Metais (Brazil)

DOWNTIME CUT

No more multi-hour machine shutdowns.

REDUCED MAINTENANCE

Switched high-maintenance clamped version for durable connectors that require far fewer replacements.

HYGIENE

Stopped product leaks improving hygiene and needing fewer clean-ups.

> *The installation of the BFM® fitting connectors in this initial location has made a massive difference to our overall production efficiency. No more shut-downs to change failing connectors means our engineering staff can focus on more productive projects.*
>
> *- Paulo Camargo, Lead Plant Engineer*
> *Limeira Plant, Ajinomoto Brazil*

The Challenge:

Ajinomoto's plant in Limeira, the world's largest MSG producer, struggled with a single large, clamped connector between a Conturbex centrifuge and the vibrating conveyor.

It kept wearing easily, needing frequent replacement, which was challenging due to the connector location and size. Each change required shutting down the machine for several hours.

The connector also leaked product into the production area, causing hygiene issues and wastage. Combined, these problems caused massive downtime.

The transition point needed to be redesigned to resolve the dust and maintenance issues.



BEFORE

The Solution:

Working with BFM®'s Authorized Brazilian Distributor, Suprir Industria de Metais, the connection was redesigned from a single connector to multiple Seeflex fittings and the transition location was lowered to ease access for engineering staff.

The new dust-tight system provides clear visibility of the product flow and has eliminated dust leaking into the production area.

Maintenance is now limited to scheduled stops, significantly reducing production downtime.

Impressed by the Limeira plant's results, Ajinomoto is now standardizing all Brazilian facilities with BFM® fitting flexible connectors.



AFTER

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BFM® Slashes Cleaning Time and Eliminates Dust for Powder Blender

Dry Food Powder Blending

Case Study courtesy of BFM® Distributor ProSpare (UK)

FASTER CHANGEOVERS

Changing out connectors no longer requires 4 hours and 2 operators.

NO PRODUCT WASTED

With zero leaks, Allicio saves at least 2% of their product.

IMPROVED STAFF SAFETY

Staff no longer wear masks as there is no dust in the air.

LOWERED CROSS-CONTAMINATION RISK:

With no place for product build-up, BFM® connectors reduce contamination risk for Allicio.

> *BFM® fitting has improved health and safety on site. At one point, our staff were required to wear masks due to dust levels. BFM® has directly contributed to masks no longer being required.*
>
> *– Safety, Health & Environment Coordinator*

The Challenge:

UK-based dry powder blending company Allicio Nutrition Ltd produces approx. 120 tonnes of nutritional products per week across 7 processing lines. Allicio used flexible connectors in many varying shapes, sizes and materials to handle a range of products including allergens, making thorough cleaning imperative to prevent cross-contamination.

Due to the fiddly clamps, two operators would often spend up to 4 hours replacing connectors.

The connectors also leaked product due to the poor seal, so the team needed to wear masks and would regularly add an extra 2% of product to each batch to compensate.

Allicio needed to stop these leaks, lower their downtime and mitigate risk of cross-contamination.



BEFORE

The Solution:

WIth the help of BFM®'s Authorised UK Distributor, ProSpare, Allicio replaced 25 connection points with BFM® BLUEBAND™ connectors, including Seeflex 040E, Blanking Caps and FM1 Breather Bags.

There are no more dust leaks at those points, improving hygiene and staff safety, plus they no longer need to add extra product. The crevice-free design of the connectors further reduces risk of cross-contamination.

The consistent length and fast and easy snap-fit of the BFM® means it now takes a quarter of the time to change the connectors and only requires one operator, so staff are freed up to focus on cleaning which is now a much faster operation overall.



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Bakery Saves Over £40,000 In Lost Production

Bakery Dough

Case Study courtesy of BFM® Distributor ProSpare (UK)

INSTALLATION

Snap-fit, no potential to fit incorrectly.

DOWNTIME CUT

Sleeve replacements reduced substantially with no downtime in 18 months.

HYGIENE

100% dust tight seal means no more product leakage and less cleaning.

> *BFM® is such a simple idea which translates into real benefit in our plant. It is impossible to fit BFM® wrong and there is no build up, so weighing problems are a thing of the past, saving us a small fortune. They are also 100% dust tight which reduces our cleaning bills.*
>
> *– Maintenance Manager*

The Challenge:

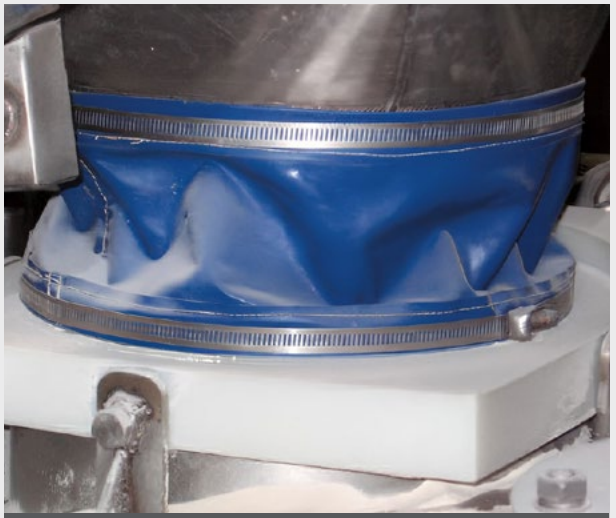
At a major UK bakery, staff were struggling to install the fiddly hose clamp connector between their weigh hopper and dough mixer.

This regularly lead to inaccurate fitting positions, which interfered with load cells accuracy.

They also required replacements every 3 months costing 3 hours downtime per annum.

These production halts to refit and reset weights amounted to over £40,000 per year.

The ill-fitting clamps also potentially risked breaching COSHH compliance due to dust leakage as well as causing ongoing additional cleaning costs.



BEFORE

The Solution:

By installing a BFM® fitting, the snap-fit, self-locating sleeve ensures consistent flexibility to prevent interference with load cells.

The traditional sleeves were being replaced every 3 months with over 3 hours' downtime per annum. Since installing the BFM® fitting, they have had 18 months with no downtime.

The 100% dust tight seal of the BFM® fitting also means that the factory environment is much cleaner and the cleaning bills have also been greatly reduced.



AFTER

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Cutting Hours Down to Minutes: Streamlining Changeovers at Bob's Red Mill

Flour & Cereals

Case Study courtesy of BFM® Distributor Powder-Solutions Group (USA)

DOWNTIME CUT

BFM® snap-fit connectors are much faster to change out and easier to clean.

IMPROVED HYGIENE

The 100% seal eliminates dust and product leakage.

BETTER HEALTH & SAFETY

Tool-free operation in awkward positions makes it much safer for staff to perform maintenance and changeovers.

> *"They're one of the best things we've found...since installing the first two fittings, we've been replacing all of the remaining clamp-and-sleeve connectors in the facility with BFM® fittings."*
>
> *– Superintendent of Engineering and Maintenance*

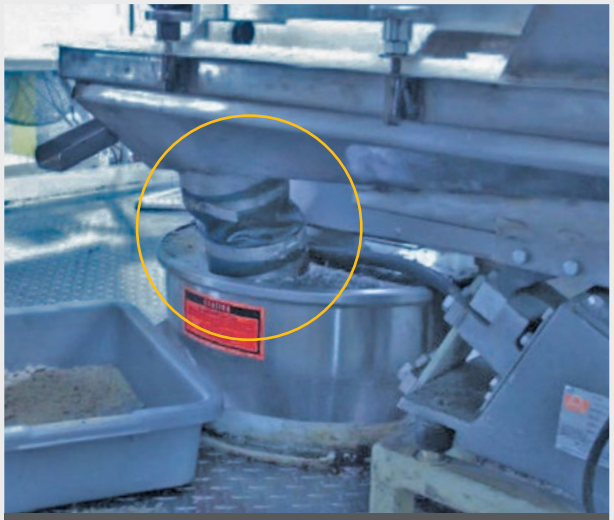
The Challenge:

Bob's Red Mill Natural Foods Inc, USA, mills a range of flours, meals and cereals 24 hours a day, 6 days a week.

Each machine packages more than one product, requiring thorough cleans between product runs.

The connections from the vibratory screener's discharge to the auger feeder inlet were difficult to access and the clamped connectors took considerable time to remove, clean and re-install.

This caused significant downtime, operator safety risks and, if incorrectly installed, product loss and bag-metering inaccuracy.



BEFORE

The Solution:

The company initially installed two Seeflex 040E connectors on the screener discharges and feeder inlets to test.

The results were immediate: drastically reduced time for changing out & cleaning connectors and ease of fitting the connectors.

The leak-proof design seals the product within the production system with no dust or product escaping to cause cross-contamination.

Packaging operation efficiency and overall plant hygiene has been dramatically improved. All connectors have now been replaced with BFM® throughout the plant.



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Tyson Foods Saves 90% On Cleaning Costs With BFM®

Chicken Slurry

Case Study courtesy of BFM® Distributor Cleanova US Inc. (USA)

DOWNTIME

Rapid connector replacement has substantially reduced labour requirements, saving Tyson Foods $225,000 annually in cleaning-related expenses.

INSTALLATION

The clamp-free BFM® system allows connectors to be snapped into place easily, ensuring an accurate and perfect fit during every changeover.

HYGIENE

The 100% seal eliminates raw chicken slurry leaks, making the entire sanitation and replacement cycle simpler and more hygienic.

STANDARDISATION

Implementing BFM® fittings allowed Tyson Foods to standardize all flexible connections to just five types, greatly simplifying inventory management.

> *"The BFM® fittings have made the dismantling and reinstallation process so much faster than before saving us a massive amount of downtime. BFM® fitting are saving us around $225,000 a year in cleaning costs alone! The system is also now 100% sealed during both the processing and cleaning operations which means the whole plant is much cleaner and runs more efficiently."*
>
> *– Chris Clifford, Site Maintenance Manager, Tyson Foods Berryville*

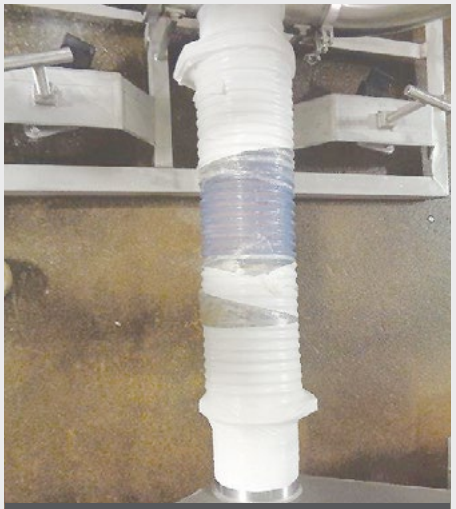
The Challenge:

Tyson Foods, a global leader supplying chains like KFC and McDonald's, must remove and clean machinery every 12 hours to meet strict hygiene laws.

Chicken slurry is transported around the plant by vacuum-pump but their old hose-clamps were hard to replace and leaked, creating health risks and reducing vacuum efficiency.

Staff resorted to using tape to manage leaks, which further complicated the removal process during frequent cleaning.

In addition, a wide variety of connector sizes across the facility made inventory management increasingly complex.



BEFORE

The Solution:

BFM® fittings were trialled at Tyson's Berryville, Arkansas, plant. Since much of the plant equipment was installed on wheels to ease cleaning, a simple bracing-clamp system was installed over each BFM® connector to prevent pipes from being pulled together under vacuum.

The snap-fit design of the BFM® fitting has lowered Tyson's annual cleaning labour costs from $250,000 to $25,000 - a 90% saving.

The 100% seal of the BFM® has resulted in the vacuum transportation running much more effectively at a higher pressure.

They also standardised their many flexible connectors to just five connector types.



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Flow Correction Improves Sugar Plant Hygiene

Sugar

Case Study courtesy of BFM® Distributor ProSpare Ltd (UK)

CLEANER PLANT

The sifter room and overall plant is so much cleaner now that the connectors seal 100%.

CONNECTOR LONGEVITY

While the old rubber sleeves lasted only 5 days, BFM® connectors last 9 months.

EXPLOSION SAFETY

A dust-free workspace significantly lowers the risk of secondary explosions.

> *You could hold a board meeting in the rotary sifter room now – it is spotless!. I've been putting them everywhere there's a transfer point because they make things so much easier for our operators.*
>
> *– Chief Engineer*

The Challenge:

A global UK sugar company struggled with persistent dust leaks in their rotary sifter room where they used convoluted rubber connectors.

The facility needed to eliminate sifter room dust to maintain hygiene and mitigate the concerning secondary explosion risks.

They also wanted to significantly reduce the excessive downtime required to replace the rubber connectors that averaged only five days of service.



BEFORE

The Solution:

After consultation with BFM®'s UK Authorised Distributor, ProSpare, a coned flow-correction ring was installed to direct sugar away from the connector walls, minimising abrasion.

A BFM® Seeflex connector with an increased diameter was utilised to handle the sifter throw.

In addition to the much cleaner, safer environment, this configuration has extended connector life from 5 days to 9 months, significantly lowering maintenance requirements.



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Dairy Processor Eliminates Gas Purge Leaks & Contamination

Milk Powder
(New Zealand)

A CLEAN BLENDING FILLER ROOM

No more powder leakage during gas purging.

PROTECTING THE PRODUCT

Since BFM® connectors do not have crevices or zones for product build-up, contamination risk is greatly reduced.

DOWNTIME CUT

With less cleaning and the super fast BFM® change outs, downtime has been significantly lowered.

> *Operators are ecstatic that the environment is now dust-free and a 'pleasure to work in.' They no longer spend hours cleaning surfaces or struggling with messy wire-clamps and product build-up.*
>
> *— Production Manager*

The Challenge:

A top New Zealand dairy plant faced hygiene challenges in its blending filler room due to a vibratory discharging cone connected via traditional socks and steel clamps.

The regular gas purging of the system forced powder out through small gaps in the clamped connector resulting in excessive dust leakage and contamination risk from product build-up at the joins.

This created an unhygienic environment that required hours of cleaning, prolonging downtime.



BEFORE

The Solution:

The installation of a BFM® fitting on both the upper and lower connections has created a sealed system, and the filling room is now a dust-free environment.

The pressure from the gas purging no longer causes product leakage, and because the fitting sits inside the spigot, there is no product build-up - or risk of contamination - at the connector joins.

When the fittings do need replacing, it's now a quick and easy snap-fit process.



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Flour Processing: Maximizing Clean-Room Hygiene & Efficiency

Flour

Case Study courtesy of BFM® Distributor Masanes Servindustria (Spain)

CLEAN-ROOM HYGIENE IMPROVED

Leak-free BFM® connectors keep the clean-room clean!

DECREASED DOWNTIME

The fast & easy snap-fit of BFM® connectors allows for rapid disassembly and reassembly, plus the leak-free seal shortens cleaning time.

SAFER PRODUCT

The crevice-free design of BFM® connectors reduce the contamination risk associated with hose clamps.

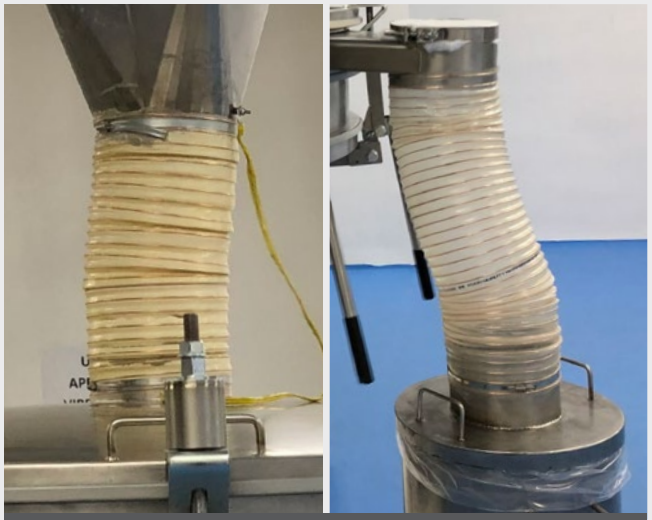
> *We are really pleased with the reduction we've made in downtime in the flour line. Staff love the simplicity of the snap-fit connectors and it's been so much easier to maintain the clean-room environment.*
>
> *– Process Technology Leader, Valencia, Spain*

The Challenge:

A global ingredient leader with over 240 sites worldwide has a plant in Valencia, Spain, where they had problems with their hose clamps.

A security screen sifter processing flour in a clean-room environment required frequent disassembly, but the hose-clamp connections on the inlet and outlet were difficult to position correctly.

The clamps then frequently loosened and resulted in dust leakage. This was not only wasting valuable product, but significant production downtime was being experienced for both clean-ups and re-fitting of the failed hose-clamps.



BEFORE

The Solution:

Upgrading both the sifter inlet and reject outlet to BFM® fittings has allowed for frequent sifter disassembly without the downtime associated with manual hose-clips.

The snap-fit design ensures a perfect, error-free installation every time.

Zero leakage maintains clean-room integrity and eliminates clean-up time, while the crevice-free design improves overall system hygiene.



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HOCHDORF Group Achieves Cleaner, Safer Processing with BFM®

Infant Formula
Case study courtesy of BFM® Distributor Swissfilter AG (Switzerland)

SUPERIOR HYGIENE

Transitioning to BFM® has eliminated the dust leakage from hose clamped connectors that frequently ripped.

SAFER FOR STAFF

Unlike the sharp-edged pipe clamps, the BFM® snap-fit connectors are safe and easy to snap in.

CUTTING DOWNTIME

Faster changeovers due to the easy snap-fit and dust leakage elimination thanks to the 100% seal make for quicker maintenance.

> *BFM® fittings have enabled us to achieve perfect production hygiene and significantly higher employee satisfaction regarding safety and ease of use. I'm definitely a BFM® fan!*
>
> *– Production Manager, Baby Care*

The Challenge:

Leading Swiss milk processor, HOCHDORF Group, was experiencing problems with hose-clamp connectors at their Sulgen plant.

Milk powder leaked and accumulated around the clamped connections, causing hygiene and cross-containation risks.

The sharp-edged pipe clamps also frequently punctured the flexible hoses, not only increasing the dust leakage but also risking injuring staff when being replaced.

Valuable production time was being lost with constant clean-ups and replacements.



Infant formula plant using hose clamps

BEFORE

The Solution:

Following a successful trial, HOCHDORF worked with BFM®'s Authorised Swiss Distributor, Swissfilter, to replace over 60 connections on a spray-drying line with the BFM® system.

This transition eliminated all leakage and has also reduced the frequency of changeovers.

Maintenance is now a much faster, safer, and simpler operation.

HOCHDORF were so impressed with the difference that BFM® fitting connectors have made that they pre-installed BFM® on their newest spray line.



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BFM® Eliminates Dust Leakage in ATEX Zone For Nestlé

Wafer Flour

Case Study courtesy of BFM® Distributor Capack Pty Ltd, (South Africa)

DRASTIC REDUCTION IN EXPLOSION RISK

With no more flour leaking into the ATEX-zoned environment, the risk of a secondary explosion is signifcantly lowered.

REDUCED DOWNTIME

As well as eliminating the need to clean up leaks, BFM® improved uptime by simplifying changeovers and reducing the number of connectors to change.

CLEANER ENVIRONMENT

With the leaking rubber connectors replaced by the BFM® snap-fit, there is now no dust in the air or on surfaces.

> *The plant is significantly cleaner and safer. We've dramatically reduced ATEX risks without changing our core process. Our team appreciates how much faster the snap-fit connectors are to maintain compared to hose-clamps.*
>
> *– Engineer, Nestlé ESAR*

The Challenge:

Global food leader Nestlé had flour leakage problems with connections at one of its plants in South Africa and wanted to address the health and safety issues this created.

Rubber connectors were hoseclamped to the pipework between a vibrating feeder at the bottom of a silo and a screw feeder, and also from a screw feeder to a drum drier. Despite the best efforts of staff, flour continually leaked out between the connectors and the pipes, even when double clamped.

With the powder build-up in the atmosphere and on surfaces in this ATEX environment, it posed a considerable risk of a secondary explosion. The constant clean ups and the explosion risk needed to be resolved.



BEFORE

The Solution:

Local Authorised BFM® distributor, Capack Pty Ltd, recommended installing BFM® fitting Seeflex 040E connectors on both troublesome locations. At the base of the silo, the pipework was tapered and adapted to fit the BFM® spigots and a slightly tapered BFM® fitting was installed above the screw feeder.

The twin outlets feeding from the screw feeder to the drum-drier didn't need regular access, so the pipework was adapted and now only one flexible connector is required.

The internal, snap-fit seal of the BFM® connectors ensures 100% dust containment, preventing leaks while making the connectors significantly easier to remove for routine cleaning.



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Hygiene Boosted and Downtime Cut by Almost 90% by Switching to BFM®

Pet Food

Case Study courtesy of BFM® Distributor ProSpare Ltd (UK)

NO MORE CONTAMINATION RISK

Smooth internal surfaces remove areas where product typically accumulates and drastically reduces risk of contamination.

SLASHED DOWNTIME

Maintenance cycles have been cut from two hours to just 15 minutes, representing up to 90% reduction in downtime.

EASIER MAINTENANCE

The tool-free snap-fit design of BFM® connectors makes changeover much simpler.

> *BFM® fitting connectors are easier to remove and reinstall, streamlining maintenance tasks and reducing downtime.*
>
> *– Engineering Manager*

The Challenge:

A leading British pet food manufacturer struggled with a heavy-duty, 1.5m corrugated hose in a dogleg configuration between an extruder and dryer.

It was difficult to install and remove, prone to dust leaks, and allowed product build-up that risked contamination. Positioned three metres above ground, it also required elevated access for maintenance.

The hose needed monthly maintenance lasting up to two hours, consuming labour and increasing downtime, while misaligned pipework sometimes led to product deformation and potential quality failures.



BEFORE

The Solution:

Local Authorised BFM® Distributor, ProSpare, recommended replacing the corrugated hose with BFM® connectors and modular stainless-steel pipework.

This setup features two standard BFM® spigots welded to the existing pipework, quick-release lipped spigots on modular sections, and Ø300mm x 100mm Seeflex connectors that snap securely into place.

This streamlined design has removed the need for jubilee clips, delivering a dust-tight, tool-free connection that is faster, cleaner, and easier to maintain. The results were immediate with a much cleaner environment, and downtime has reduced by almost 90%.



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BFM® Slashes Downtime By Over 75% for Packaging Company

Contract Dried Ingredient Packaging

Case Study courtesy of BFM® Distributor ProSpare Ltd (UK)

FASTER CHANGEOVERS

The tool-free snap-fit design allows changeovers to be completed in just 5 minutes, 75% faster than the previous clamped system.

LESS DOWNTIME

By streamlining the replacement process, the plant has reclaimed 250 hours of production time annually that were previously lost.

INCREASED DURABILITY

Unlike the single-use disposable predecessors, Seeflex 040E connectors last this ingredient manufacturer approx. 3 years.

> *I like that the BFM® allows us to visually see the product flowing through the line and how well it contains the products, but most importantly, it's how fast and easy it is to replace because of the simple snap-fit installation. From a maintenance perspective, it saves us hours of time per week on downtime and cleaning.*
>
> *– Maintenance Manager, Richard Whittaker Ltd*

The Challenge:

UK-based dried ingredient specialist Richard Whittaker operates 24 hours a day and their packaging lines can change products up to 10 times per week, requiring full equipment cleaning each time.

Using disposable 'carrier-bag-like' connectors with jubilee clips, this was an ordeal and changeover time took more than 20 minutes. Plus, they were placed 3m above ground.

The connectors did not fully seal and regularly failed. They could only be used once and were disposed after each changeover. Richard Whittaker's were keen to reduce their downtime by improving their product changeovers, and also wanted to find a more sustainable option than their disposable, single-use flexible connectors.



BEFORE

The Solution:

Local Authorised BFM® fitting Distributor, ProSpare Ltd, recommended installing BFM® fitting's durable Seeflex 040E BLUEBAND™ connector systems on two of their main packing lines.

The fast and easy snap-fit of the BFM® fitting has meant that, since installing the connectors, the average changeover time has been reduced by 75% to around 5 minutes - most of which is simply gaining access to the connector location! This has saved the company approximately 250 hours per year.

The BFM® fitting connectors are also lasting approximately 3 years in contrast to the single use, disposable predecessors which were disposed of each product change, saving around 1,000 connectors per year.



AFTER

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Respiratory Hazards & Explosion Risks Eliminated for Soy Powder Processor

Soy Powder

Case study courtesy of BFM® Distributor Emborio (Shanghai) Co Ltd (China)

HYGIENE DRASTICALLY IMPROVED

The severe leakage was completely eliminated by BFM® connectors, making the environment much safer for staff.

DOWNTIME CUT

Since staff no longer need to spend hours daily cleaning up leaked powder, downtime is shorter, improving productivity.

INCREASED PLANT SAFETY

The elimination of airborne powder has removed a primary fuel source, substantially lowering the risk of secondary dust explosions.

> *The sieving room is significantly cleaner and more efficient with BFM®. Staff are much happier and safer working in the environment and there's no time or money lost cleaning up waste product.*
>
> *– Production Manager*

The Challenge:

A leading Chinese agricultural enterprise with 70+ plants faced severe leakage on a soy powder line in one of their sites.

Clamped silicone connectors between the silo, rotary sifter, and screw conveyor failed to contain the product. Soy powder leaked constantly throughout the entire room.

Staff could not enter the screening area without a mask and it was a serious concern for plant staff health. The constant presence of dust on surfaces and in the air posed a secondary explosion risk.

Connectors frequently tore, and staff were also spending hours each day cleaning up the powder that leaked continuously from the equipment transitions.



BEFORE

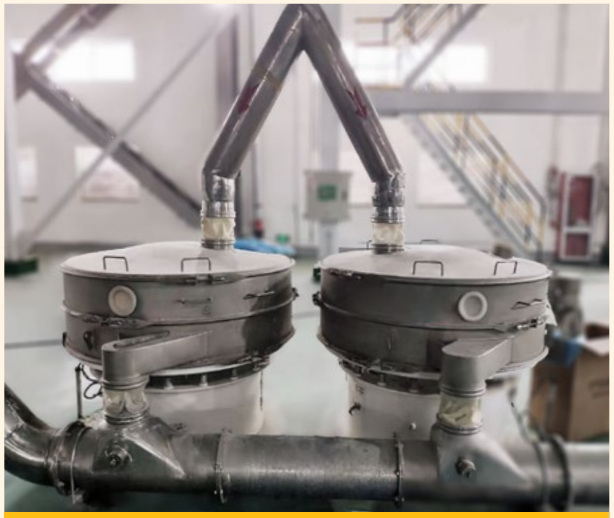
The Solution:

Emborio, Authorised Distributor for China, installed BFM® fitting's Seeflex 040E connectors on both the sifter inlets and outlets. The dramatic difference to the primary screening room was instant.

The whole area is now so much cleaner as product leakage during sifter operation has been eliminated.

Staff no longer need to wear masks when entering the room or spend hours cleaning, and the explosion risk has been drastically reduced.

The BFM® fitting connectors are also lasting significantly longer than the previous silicone versions.



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BFM® Enhances Pet Food Plant Hygiene and Operator Safety

Pet Food

Case study courtesy of BFM® Distributor Vlint (Benelux)

TOP NOTCH HYGIENE

Total containment of raw materials has eliminated environmental dust leaks, ensuring a cleaner facility that aligns with "clean design" standards.

OPERATOR SAFETY IMPROVED

The snap-fit design removes the need for sharp tools and manual clamps, significantly reducing the risk of hand injuries during changeovers.

SHORTER DOWNTIME

Transitioning to a tool-free snap-fit system has streamlined the removal and refitting process, allowing for rapid, effortless connector changes.

> *In the past, changing a cuff, depending on the location in the factory, took between half an hour and 45 minutes, requiring a lot of work preparation and planning. Now our technicians change the BFM® fittings in just ten minutes.*
>
> *– Robert Feringa, Engineer at Spectrum Brands in Coevorden*

The Challenge:

Spectrum Brands, a global leader in pet care, prioritizes hygiene and food safety. Their plant in Coevorden, Netherlands, produces cat and dog food under the brand name Iams.

The old-style clamped sleeves used to feed raw materials into their process were not dust-tight and had a tendency to break easily. This resulted in widespread contamination of the production environment with dust.

Replacing the failed connectors was challenging, often requiring installers to use sharp tools and clamps in hard-to-reach areas.

This posed a safety risk to personnel and the downtime and frequency involved was also affecting production efficiency.



The Solution:

Local Authorised Distributor Vlint recommended replacing their old-style clamped sleeves with over thirty BFM® fitting systems in various locations throughout the factory, including under six Rotex sieves.

They provide a dust-tight connection, effectively preventing any pollution in the factory environment. The transparency of the BFM® Seeflex material also provides easy monitoring of product movement through the plant.

The maintenance team is impressed with the durability of the product as they are lasting at least twice as long as the previous connectors. When they do need to be replaced, it's a fast and easy process with no sharp tools required.



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CHEMICALS

AkzoNobel Plant's Explosion Risk Lowered by Using BFM® fittings

Construction Additives

Case Study courtesy of BFM® Distributor Vlint (Benelux)

SECONDARY EXPLOSION RISK MITIGATED

The BFM® sealed system has eliminated airborne dust leakage, drastically reducing the risk of secondary explosions.

STANDARDISED SYSTEM

AkzoNobel standardised their 25 different connections to BFM® fitting.

IMPROVED CONNECTOR DURABILITY

Unlike the hose clamps, the BFM®s are designed to better withstand the abrasive powders.

> *After seeing it, I was immediately convinced. In all its simplicity, it is extremely effective. We assembled a BFM® fitting alongside an existing one so everyone could see the difference. After a few months it was clear: the BFM® fitting sealed perfectly and remained transparent. We are very happy with the BFM® fitting.*
>
> *– Hub Knoren, Maintenance Engineering Technician, AkzoNobel Elotes, Geleen*

The Challenge:

For AkzoNobel's Elotex plant in Geleen (Netherlands), containing fine, abrasive construction powders was a critical safety priority.

These powders, combined with a pneumatic conveying system, meant that even small tears or gaps in the traditional clamped flexible connectors at the plant caused dust leakage.

The hose-clamp seals did not perform well under pressure, and with 25 different fittings, manual error with installing the existing clamp & hose connectors to the incorrect length also added to the leakage problems.

The real risk of explosion in the plant meant that AkzoNobel were keen to find a fitting that would provide a durable, sealed system and also allow them to standardise their fittings across the plant.



BEFORE

The Solution:

After an initial trial BFM® fitting system was installed in the most challenging position on a sifter, the seal was so superior that AkzoNobel decided to replace all 25 flexible connectors with BFM® fitting.

There is no longer dust leaking into the plant, and this has significantly reduced the risk of explosion.

As the connectors are replaced, the pipes and spigots are being adjusted to standardise the sizes, helping to reduce the inventory and multiple suppliers.

Replacement is also now fast and easy with no possibility of incorrect installation.



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BFM® Improves Health & Safety For Powdercoater

Powdercoating Powder

Case Study courtesy of BFM® Distributor RAP Engineers (Singapore)

CLEANER & SAFER PLANT

By eliminating leakage of the highly combustible dust, the BFM® connectors have made the plant more hygienic and much safer for staff.

UPTIME BOOSTED

The simplicity of BFM® means it only takes one operator just a few minutes to change a connector, drastically reducing downtime..

LONGER LASTING CONNECTORS

The more durable connector material and design has seen BFM® fittings last more than 5 times longer than the original connectors.

> *The 100% seal of the BFM® has impressed PT Jotun Indonesia so much that we have recommended them to other plants in our organisation.*
>
> *– PT Jotun Indonesia Staff*

The Challenge:

PT Jotun Powder Coatings, Indonesia, a leading powder coatings supplier, was concerned about leaking powder creating health hazards for workers. Flexible connectors linking a large sifter were canvas and secured with standard hose-clips.

These failed to provide an airtight seal, and the extremely fine and hazardous pigment powder consistently leaked, posing a real risk to staff.

The existing connectors were cumbersome and messy to refit, so workers often wrapped the bottom with plastic to improve the seal. Connectors were being replaced every 3 months.



BEFORE

The Solution:

Since installing BFM® Seeflex 040E connectors in both locations, the system is now completely sealed and there is no longer any powder leaking into the factory environment.

The areas surrounding the sifter are now clear of dust, creating a much cleaner, healthier environment for the workers.

Downtime for replacement and plant maintenance has also reduced significantly with no replacement required in the 18 months since installing the BFM® fitting.



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Containing Super-Fine Lithium Battery Powder with BFM® fitting

Lithium Battery Powder

Case Study courtesy of BFM® Distributor
ICS (International Chemical Scientific) (South Korea)

NO VALUABLE PRODUCT LOST

Valuable lithium powder is no longer leaking through hose clamp connectors, and is fully contained in the BFM® fitting system.

BETTER HEALTH & SAFETY

Without dust leaking onto the floor and into the air, the plant is cleaner and safer from the risk of explosion.

LOWER DOWNTIME

The tool-free snap-fit system is significantly faster, improving uptime for this Korean plant.

> *Battery powders are notoriously difficult to contain. BFM® fittings are the only solution providing a truly dust-tight seal, keeping our facility cleaner and our electronics safer.*
>
> *– Factory manager*

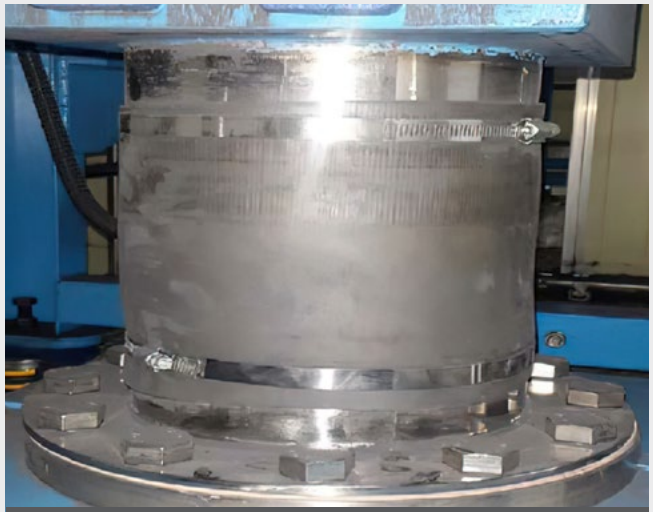
The Challenge:

A major lithium powder manufacturer in Korea had challenges with this extremely fine (10μ) powder leaking throughout their production area.

These super-fine powders were too difficult to contain with hose-clamp connectors and this valuable product leaked, causing a messy environment and frequent cleanups.

This leakage also posed a serious secondary explosion risk.

In addition to the hygiene and safety issues, the clamped connectors were difficult and time-consuming to refit.



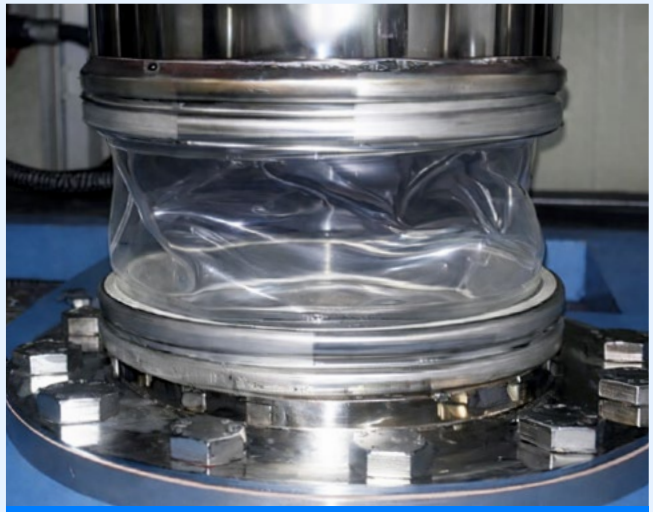
BEFORE

The Solution:

BFM® fittings replaced all hose-clip type connections on the ultrasonic sifter and the magnet filter, eliminating all lithium powder leakage.

There is now no more loss of valuable product and the cleaner plant environment has dramatically reduced the secondary explosion risk.

The snap-fit design has drastically shortened internal cleaning cycles while the transparent material offers new visibility into the product flow for better process monitoring.



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BFM® Stops Sludge Leakage in Outdoor Bio-Waste Plant

Biogas Sludge

Case Study courtesy of BFM® Distributor Masanes Servindustria (Spain)

LEAKS ELIMINATED

The internal-fit design guarantees a total seal, preventing liquid sludge from escaping and maintains a cleaner, more hygienic processing area.

MORE DURABILITY

Despite constant exposure to Spanish sun and rain, the Seeflex 040E material remains resilient, significantly outlasting previous rubber connectors.

> *Outdoor operations are tough, but BFM® fittings have stood up to the test. They are incredibly durable and the leak-free seal has made our site much cleaner and easier to manage.*
>
> *- Operations Supervisor*

The Challenge:

In a Spanish outdoor biowaste recycling facility, liquids and solids are separated from sludge using a vibrating sieve located outdoors.

Flexible connectors are used between the inlet and outlets of the sieves, but the vibration of the sieves presented challenges for traditional clamped-style flexible connectors, unable to contain the liquid components of the separated sludge.

The plant wanted to contain all of the liquid and ensure that the connections weren't affected by the harsh sun in such an unprotected, outdoor environment.



The Solution:

Local Authorised BFM® fitting Distributor, Masanes Servindustria SA, recommended installing BFM® fittings on the two outdoor sieves. Each sieve has one inlet for the sludge and two outlets: one for liquids and the other for the solids.

The BFM® Seeflex 040E, a particularly strong, flexible, ether-based urethane, was chosen for the connectors as it has been proven for outdoor use in both the sun and weather exposure.

The design of the BFM® fitting system ensures there is no longer any leakage, as the connector is snap-fitted on the inside of a specially shaped spigot welded to each end of the connecting equipment.



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BFM® Connectors Withstand Aggressive Movement in Personal Care Plant

Washing Powder/Detergent

Case study courtesy of BFM® Distributor Airlock India Pvt. Ltd

LONGER-LASTING CONNECTORS

Unlike the cloth and silicone connectors, the BFM®s do not tear despite high oscillation.

BETTER HEALTH & SAFETY

The perfect seal of the BFM® connector has eliminated dust leakage into the surrounding area.

FASTER CHANGEOVERS

With the tool-free snap-fit, changeovers are much faster.

> *The BFM® fitting has helped us reduce the downtime and increase our productivity. Even though there is a 35mm throw per side, the connector is working perfectly.*
>
> *– Production Manager, Leading FMCG manufacturer, India*

The Challenge:

A global manufacturer of home and personal care products was experiencing problems with heavy leakage on a detergent-line sifter with a significant throw (35mm each side).

The company's cloth and silicone connectors fastened with hose clamps frequently tore with the high oscillation, leaking powder into the surrounding area.

The powder leaking into the factory environment was also a health and safety concern for staff.

They were losing a lot of production time to replace the torn connectors, and cleaning up the spilled product was an ongoing labour cost.



BEFORE

The Solution:

In partnership with local Authorised BFM® Distributor, Airlock India Pvt Ltd, the plant installed a durable Seeflex 040E flexible connector system on the detergent sifter.

The upgrade achieved a 100% sealed connection with no leakage at all, despite the large sifter throw involved.

The snap-fit installation of the distinctive BLUEBAND™ connectors makes it easy for staff to remove, clean and replace when required, without the need for any tools.

Downtime has been dramatically reduced and the factory environment is much safer for staff.



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Bayer CropScience Saves 32+ Labour Hours Per Connector Per Year With BFM®

Agrichemicals

Case Study provided courtesy of BFM® Distributor Walter Cleaning Systems, Germany

DOWNTIME DIMINISHED

5-10 minute changeovers have been slashed to 30 seconds, saving 32 hrs per connector annually.

STREAMLINED INVENTORY

For Bayer CropScience., standardising their huge variety of connections to the BFM® system has made documentation, stock control and supply much easier.

A SAFER PLANT FOR STAFF

BFM® connectors are certified for ATEX zones and their tool-free snap-fit makes operations safer.

> *The engineers at Bayer CropScience searched the world for a dust-tight, ATEX-certified flexible connector that was both versatile for their many different applications, and easy to install. The BFM® fitting ticks all their requirements and they are now standardising these throughout their plants worldwide.*

The Challenge:

As a large global manufacturer, Bayer CropScience had a huge variety of flexible connectors being used in its plants around the world. These varied greatly in material type, fitting style, quality and safety.

Using such a multitude of different connectors in any one facility made tracking replacement stock and batch-tracking in case of product faults challenging.

To simplify and improve supply chain sustainability, Bayer CropScience needed to find a quality connector that could be supplied globally, was 100% dust-tight, fast and safe to fit, ATEX-compliant and chemical resistant.



BEFORE

The Solution:

After several trials in Asia, Bayer CropScience has rolled out the BFM® fitting system to manufacturing facilities worldwide.

This standardisation has drastically reduced the number of SKUs, simplifying documentation, sourcing and warehousing.

It's also providing a massive saving in labour costs.

For example, one German plant that undertakes more than 300 cleaning cycles per year (on multiple connectors each cycle): the BFM®'s 30 second snap-fit replacement (vs a 5-10 minute changeover for their previous connectors) has saved over 32 hours per year, per connector.



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BFM® Impressive Upgrade For Powder Coatings Manufacturer

Powder Coating

HYGIENE

The surrounding areas and air around the sifter has been cleared, leaving a more hygienic and tidier factory.

INSTALLATION

Fitting the new BFM® connector is so much easier than the messy nylon-bags and plaster - and only takes one person.

BETTER HEALTH & SAFETY

The cleaner environment creates a much safer environment for the factory staff.

DOWNTIME

Replacement time has been drastically reduced.

> *The BFM® fittings provide perfect sealing for a safe, hygienic environment. Our engineering and operating staff find them incredibly user-friendly to install.*
>
> *– Pulver Kimya Engineering Team*

The Challenge:

Pulver Kimya, a major Turkish powdercoating product exporter, faced persistent product leakage from their flexible connectors feeding a sieve, which were nylon and plaster.

The system didn't provide an airtight seal, and powder was continually leaking onto machinery and into the atmosphere.

When the nylon bag connectors were due to be changed, it was a very time consuming process requiring two operators and considerable down-time.



BEFORE

The Solution:

The BFM® spigots and Seeflex 040E connectors were installed to replace the nylon bag system, providing a completely sealed transition.

As the product flowing through the connectors was a highly combustible powder, grounding straps were also provided to link between the spigots.

The areas surrounding the sifter are now clear of dust, creating a much cleaner, healthier environment. Downtime has also been reduced as it now only takes one operator a few minutes to snap-fit a replacement connector.



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Petrochemical Co. Extends Connector Life From 5 Days To 16+ Months Using BFM®

Polycarbonate Chips

MINIMISED PRODUCT LOSS

Since connectors no longer need to be replaced every 5 days, product loss has been significantly reduced.

AXED DOWNTIME

Connecter life has increased from 5 days to over 16 months greatly lowering production downtime.

> *The flow-correction solution increased connector life from 5 days to over 16 months. This has saved us countless hours in downtime and replacement costs while significantly improving efficiency.*

The Challenge:

A global petrochemical leader faced durability issues with their connectors in a plant producing sliced polycarbonate chips.

The abrasive chips moving through the system before the cyclone caused the connectors to wear out within two to five days.

Frequent replacement was costly and difficult due to the connector's hard-to-access location, resulting in lost production time and product.



The Solution:

A BFM® fitting was installed with a special 'flow-correction' arrangement at the spigots, tapering out from the pipes to limit the contact of product on the connector walls.

This has dramatically reduced wear and tear, and the connectors are now lasting in excess of sixteen months without any problems.

The company has made significant savings in terms of spilled product, replacement connectors and reduced downtime.



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PHARMA

BFM® Provides Hygiene Assurance for Pharma Clean Room

Blood Plasma

Case Study courtesy of BFM® Distributor Vlint (Benelux)

IMPROVED CLEANROOM HYGIENE

With 100% seal and no loose components, there is no powder leakage.

BETTER HEALTH & SAFETY

Respirators and masks are no longer required for staff.

DOWNTIME REDUCTION

Fast, easy fitment and no powder leakage has seen downtime significantly reduced.

> *The BFM® is a huge improvement. It's easier to replace connectors and we know they're fitted correctly. There's no risk of leakage or dropping clamp parts into the processing vessels. Brilliant!*
>
> *– Kristof Greens, Project Engineer, Plasma Industries, Belgium*

The Challenge:

Prothya Biosolutions (formerly Plasma Industries Belgium) processes human blood plasma and their clean-room environment requires the strictest hygiene.

The traditional tri-clamped connection at the top of the processing vessel was very difficult for staff to mount/dismount, and a gasket at the bottom of the hopper was frequently loosened, falling into the vessel below.

This posed a dangerous product contamination risk and caused fine plasma powder leakage into the clean-room environment. Staff had to wear respirators and maintenance teams spent hours manually scrubbing escaped powder off the outside of equipment.



BEFORE

The Solution:

Local Authorised BFM® Distributor, Vlint, worked with the company to install a Seeflex 020E connector system between the filter aid hopper and manhole hat.

With the simple snap-fit design, there is no risk of dropping any clamp components into the processing vessel. Plus, the 100% seal removes dust leakage and lowers product contamination risk.

When not in use, the man-hole cover is sealed with a Blanking Cap to ensure no contamination.



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Nutraceuticals Processor Gains In Efficiency & Quality Control With BFM®

Nutraceuticals
(Australia)

DOWNTIME REDUCTION
Quick and easy cleaning between product runs has greatly reduced downtime.

PRODUCT FLOW VISIBILITY
The transparent Seeflex material allows staff to constantly monitor the product flow and detect any quality issues.

INCREASED HYGIENE
There is zero dust leakage due to the 100% seal and no risk of product contamination, which is imperative in the pharma industry.

> *After buying our first two BFM® fittings over 13 years ago, our LEAN process led us to get more for the time savings, reliable sealing, and easy cleaning. We've never had a connector fail or lose product, and now all our gravity transfer systems and mixing bins use BFM® connectors*
>
> *– Engineering Supervisor*

The Challenge:

A leading global nutraceutical manufacturer in Queensland, Australia needed to connect two machines to a single gravity feed chute while allowing for slight movement and constant vibration.

The connections had to be fast and easy to remove, clean, and replace to avoid production downtime.

With fine powders and strict hygiene requirements, a secure, leak-free seal was essential, and the engineering team also wanted the connections to be transparent for powder visibility.



The Solution:

The initial BFM® fittings immediately halved the usual set-up time and provided a secure, leak-free seal despite machine vibration and movement.

They were easy to remove and reinstall during cleaning, and their transparency allowed clear visibility of product flow.

The company was so impressed that they have since installed BFM® fittings across their powder transfer process, including all mixing and transfer bins.



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Medical Tech Co. Amazed At Dust Elimination With BFM® Connectors

Silicon Nitride Ceramic Powder

Case Study courtesy of BFM® Distributor Powder-Solutions (USA)

HYGIENE SECURED

Unlike the previous connectors, the dust-free BFM®s have eliminated leaks, supporting AMEDICA's stringent hygiene standards.

STAFF SAFETY

With the pristine clean room, staff no longer need to wear respiratory masks to enter.

DOWNTIME REDUCED

Since leaks have been eliminated, staff no longer spend hours cleaning the dust off equipment, and the snap-fit design has made changeovers much faster.

> *From the day I first turned on our bulk powder processing equipment with the BFM® fitting installed, I was amazed. There was no more sand cloud and absolutely zero powder infiltrated from the sleeve. Our employees now work in a safer environment, and labour costs have been cut as there is no longer a need for frequent cleaning.*
>
> *– Director of Facilities and Maintenance for AMEDICA*

The Challenge:

AMEDICA, the sole FDA-cleared producer of silicon nitride spinal implants, maintains rigorous hygiene standards.

Old-style clamps failed to contain the ultra-fine powder, forcing staff to wear respirators due to constant dust clouds.

Product frequently became trapped between flanges and connectors, creating major hygiene issues.

Workers had to manually scrub caked-on powder off processing equipment, taking 6 hours every other day - a labour-intensive and inefficient process.



BEFORE

The Solution:

The BFM® fitting system, including tailored spigots and replaceable snap-fit sleeves, was installed within two weeks from initial consultation.

The sealed system created by the BFM® fittings meant no powder was able to escape and the environment is now dust free.

Staff no longer need to wear respirators or spend hours manually scrubbing powder off equipment.



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Quality Monitoring Improved & Cleaning Time Reduced With Innovative BFM® Solution

Nutritional Therapy Powders

Case Study courtesy of BFM® Distributor JP Next, Japan

PRODUCT FLOW VISIBILITY

The transparent Seeflex material allows staff to constantly monitor the product flow and detect any quality issues.

SUPERIOR HYGIENE

Sealing the hopper connection has eliminated any dust leaking out of the process, improving both product and factory hygiene.

DOWNTIME CUT

The cleaning process is now much faster and can be undertaken by just one staff member as the connectors are easy to remove, clean & replace.

> *The transparency of the new BFM® hopper system lets us visually see the product and detect any issues before they become a problem. The ease of removal and refitting has also made our regular cleaning processes much more efficient.*
>
> *– Maintenance Manager*

The Challenge:

A leading Japanese manufacturer of nutritional therapy foods wanted to enhance hygiene, cleaning efficiency, and powder containment in their production facility.

Their existing setup of fully steel hoppers, buffer tanks, and traditional clamped sleeves caused frequent clogging, bridging, and ratholing, with no visibility of product flow.

Cleaning the tanks was difficult and time-consuming, taking several days each month.

In addition, dust leaked from a free-fall hopper transition, creating health and safety concerns. They needed a more hygienic, versatile, and efficient solution.



BEFORE

The Solution:

Local BFM® Distributor JP Next designed a two-piece hopper system to replace the 840L steel buffer tanks using BFM®'s durable, transparent Seeflex 040E polyurethane connectors.

The customer now has full visibility of product flow, and the anti-static material reduces powder build-up on the hopper walls. Any blockages can be easily seen and cleared by massaging the flexible connector walls.

Cleaning time has been greatly reduced, now requiring only one person to remove and clean the connectors.

A BLUEBAND™ system also fully seals the gravity fed hopper inlet, improving hygiene for product and staff.



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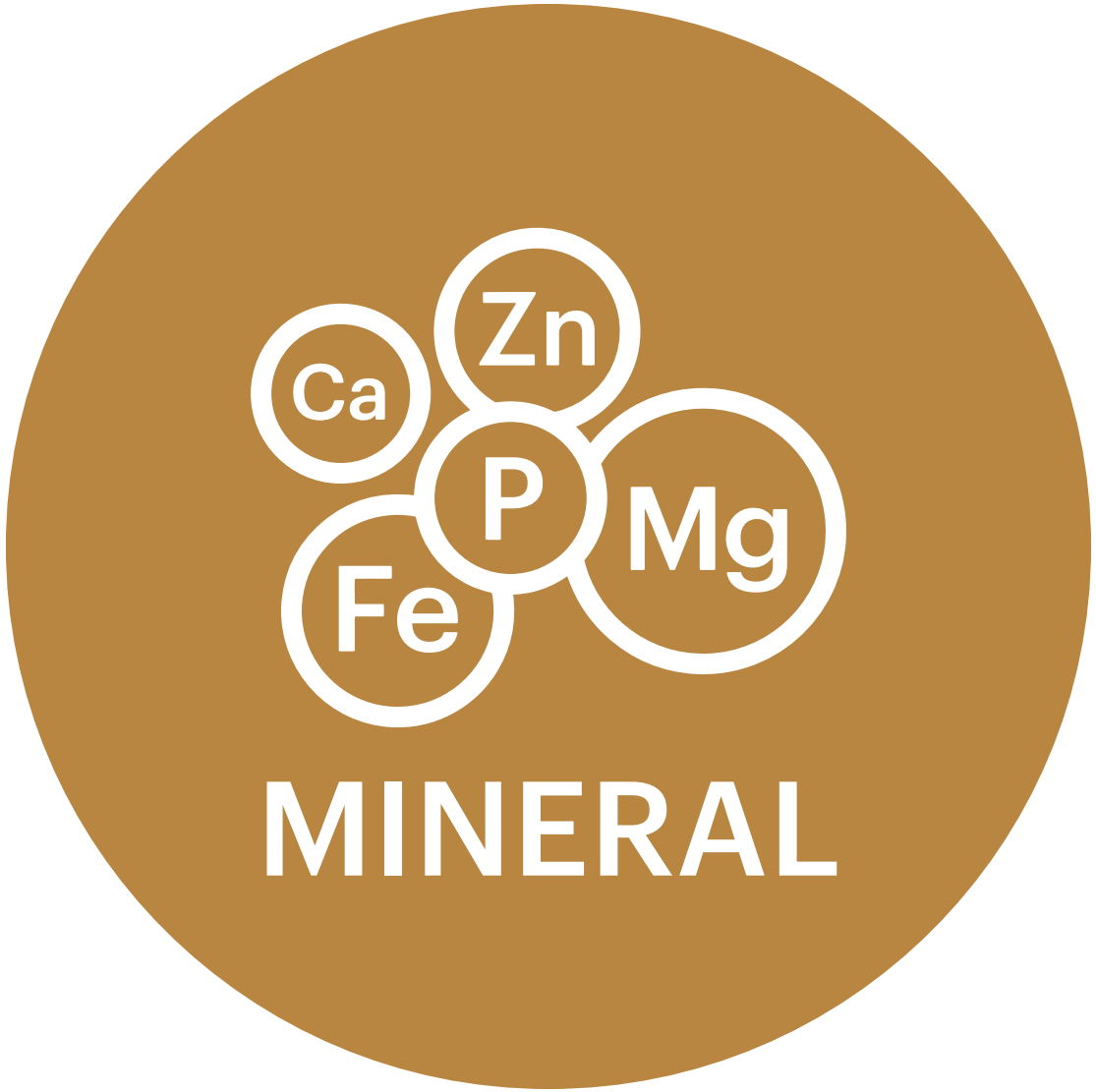
Ca
Zn
P
Mg
Fe
MINERAL

Concrete Processor Finds Changing Out BFM®s is 95% Faster Than Previous Connectors

Concrete

Case Study courtesy of BFM® Distributor ProSpare (UK)

HUGE DROP IN DOWNTIME

Since there are no more blockages, staff do not need to constantly intervene. Plus, changeovers with BFM®s take 1/20th of the time they did with jubilee clips.

CONNECTORS HAVE LONGER LIFESPANS:

BFM®s are lasting 10 times longer than the previous canvas connectors.

A CLEANER PLANT

Dust leakage is a thing of the past with the 100% sealed BFM® fitting system.

> *Our old canvas weigh hopper connectors used to block regularly which meant we had to stop production while we sorted it out. BFM® has totally solved the problem and we have had no lost production ever since. The factory is also much safer and cleaner.*
>
> *– Factory Manager*

The Challenge:

A leading British concrete product manufacturer found their canvas weigh hopper connectors were absorbing moisture, attracting cement build-up and causing constant blockages.

There was also leakage of dust around the connector fittings, and inaccuracy in the weighing processes due to the dust build-up.

This required regular intervention and changeover by staff, which was time-consuming due to the jubilee clips.



BEFORE

The Solution:

Working with Authorised UK Distributor, ProSpare, the plant installed a polyurethane BFM® fitting flexible connector system.

The moisture issue has been eliminated, product is now free-flowing and the general environment is much cleaner as there is no dust leakage from the connectors. Weighing inaccuray has been greatly reduced.

The BFM®s are also outlasting their canvas predecessors by 10 times and changeovers take 1/20th of the time they previously did.



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BFM® Banishes Lengthy Downtime for this Calcium Carbonate Processor

Calcium Carbonate

Case Study courtesy of BFM® Distributor ROCOM (Romania)

DUST CONTAINED

BFM®'s internal snap-fit seal has ensured 100% containment, meaning no more product is leaked into the environment.

LONGER LIFECYCLES FOR CONNECTORS

BFM®s are lasting at least 5 times longer than the previous canvas connectors.

DOWNTIME DECIMATED

With the absence of dust leaks, the calcium carbonate processor no longer needs to spend lengthy time cleaning. The standardised sizing and snap-fit design has made changeovers rapid.

> *We are so impressed with the fact that there are no more leaks and that the BFM® connectors are lasting so well. The product stays where you want it - inside the process – and overall, the plant is now much cleaner and operates much more efficiently.*
>
> *– Maintenance Manager*

The Challenge:

Calcium carbonate is widely used in building products, but its fine, abrasive powder makes processing challenging due to dust and wear.

One of Romania's largest processors faced constant downtime from leaking, fast-wearing flexible connectors on sifters after crushing and before milling.

Connectors rarely lasted a month, causing product loss, dust, and time-consuming clean-up.

Replacement was difficult, as each connector was a different size and had to be measured, cut, and fastened with screw clamps in hard-to-reach locations.



BEFORE

The Solution:

Local BFM® fitting Distributor, Rocom, recommended installing BFM® fitting's durable Seeflex 040E connector systems on each sifter inlet and outlet.

They also suggested standardising all diameters and connection lengths for easier maintenance and inventory control.

The productivity uplift has been dramatic: in the 5 months since installation, the plant has experienced zero downtime for connector replacement, as the initial connectors are still going strong.

When replacements are needed, staff are confident each changeover will take less than 30 seconds, with stock always immediately available.



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UK Plaster Production: BFM® Increases Connector Lifespan by 5000%

Plaster

Case Study provided courtesy of BFM® Distributor ProSpare (UK)

IMPROVED DURABILITY

Despite the abrasive nature of plaster, the Seeflex material is significantly more resilient, lasting over 50 times longer than the jubilee clip connectors.

ATEX COMPLIANT

The BFM® fitting has been fully tested and ATEX certified to be used in potentially explosive dust areas.

NO MORE EXPENSIVE DOWNTIME

With dust leakage eliminated, the associated cleanup time is shortened. Plus the simple snap-fit design makes changeovers fast.

> *Plaster is very fine and gets everywhere. It is difficult to contain, particularly when your connecting sleeve has holes in it! BFM® has been brilliant. The connector seals inside the spigot so it can't chafe on the sharp edges. It lasts far longer and best of all - it doesn't leak any dust!*
>
> *– Works Engineer*

The Challenge:

A leading UK plaster manufacturer faced weekly failures with rubber connectors on a vibrating sieve.

Plaster is very fine and difficult to contain and their connectors, fastened with jubilee clips, leaked constantly. They needed weekly replacement due to chafing and tearing from the gyratory movement.

The poor fit and tearing caused excessive dust leakage, requiring significant downtime for maintenance and cleaning.

The connectors also lacked ATEX certification, raising health and safety compliance concerns.



BEFORE

The Solution:

With the support of their UK Authorised Distributor, ProSpare, the plaster manufacturer installed BFM® Seeflex 040AS (anti-static) sleeves on both the inlet and outlet of the vibratory feeder.

The BFM® connectors have already lasted over 50 times longer than the previous jubilee-clip sleeves, delivering substantial savings in replacement costs and downtime.

The fine plaster powder is now fully contained within a sealed system, eliminating dust leaks.

Additionally, the BFM® Seeflex 040AS connectors are ATEX compliant, creating a cleaner, dust-free environment and significantly reducing health and safety risks.



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Dust Drastically Reduced at Bulk Bag Loading Stations for High Risk Products

Building Products

Case Study courtesy of BFM® Distributor ProSpare Limited (UK)

BETTER HEALTH & SAFETY

Dust in the air is now 'negligible' in the bag loading area making it much safer for staff.

NO PRODUCT LOSS

The superior seal of the BFM® Seeflex bladder means no product leaks during bag loading, keeping the plant much cleaner.

MORE DURABILITY

The BFM® Bulk Bag Loaders have been in place over two and a half years with no obvious signs of wear despite the abrasive products.

> *"The BFM® Bulk Bag Loader is a Godsend and the only option on the market that works for us when filling."*
>
> *– Director of Engineering*

The Challenge:

A UK-based monolithic refractory manufacturer, producing over 300 products, was particularly concerned about dust during bulk bag loading.

Handling raw materials like sand, lime, and dolomite — some containing respirable crystalline silica (RCS) — meant dust containment was essential for worker safety.

Filling around 60 bags daily, the existing clamp system allowed dust to escape despite LEV systems and dust monitors.

Trials with inflatable seals and other solutions failed due to inadequate dust reduction or rapid wear, highlighting the need for a more durable, effective solution.



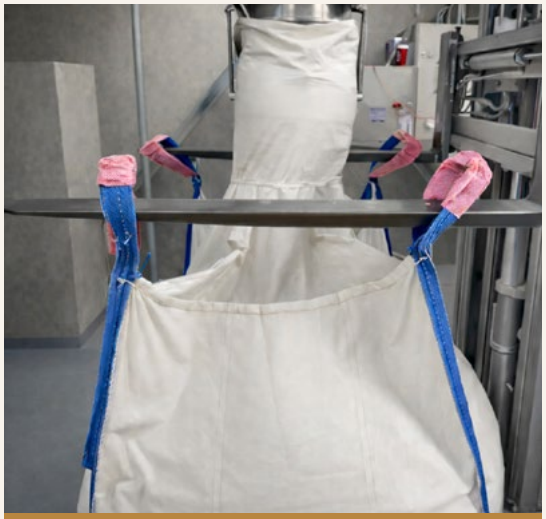
BEFORE

The Solution:

Local BFM® Distributor, ProSpare Ltd, recommended installing two BFM® Bulk Bag Loaders to control dust and improve bag loading efficiency.

Dust emissions have dropped dramatically, limiting RCS exposure, and on-site testing and external audits confirmed levels are now negligible.

The loaders have also proven highly durable — after more than two and a half years of daily use, the stainless-steel core and urethane components show no signs of wear, ensuring long-lasting performance under continuous operation.



AFTER

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Want to find out how BFM® could solve your challenges?

We're here to help solve your process challenges and will guide you in the selection of the right BFM® fitting connector solution for your specific application. Contact us today for a no-obligation chat.

SCAN ME

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