

Whatever you have in mind.



your ideas – our solutions

Coating Technology

alco
food-machines

11.11.2021



Welcome to the world of
alco

Our company delivers **quality from conviction**

As a family business, it's our aspiration to go beyond expectations, advise every client individually, and develop the **best solutions** together.

Count on a partner you can trust, an employer who's there for you, a company that knows what it stands for.

Reliability, trust, connection

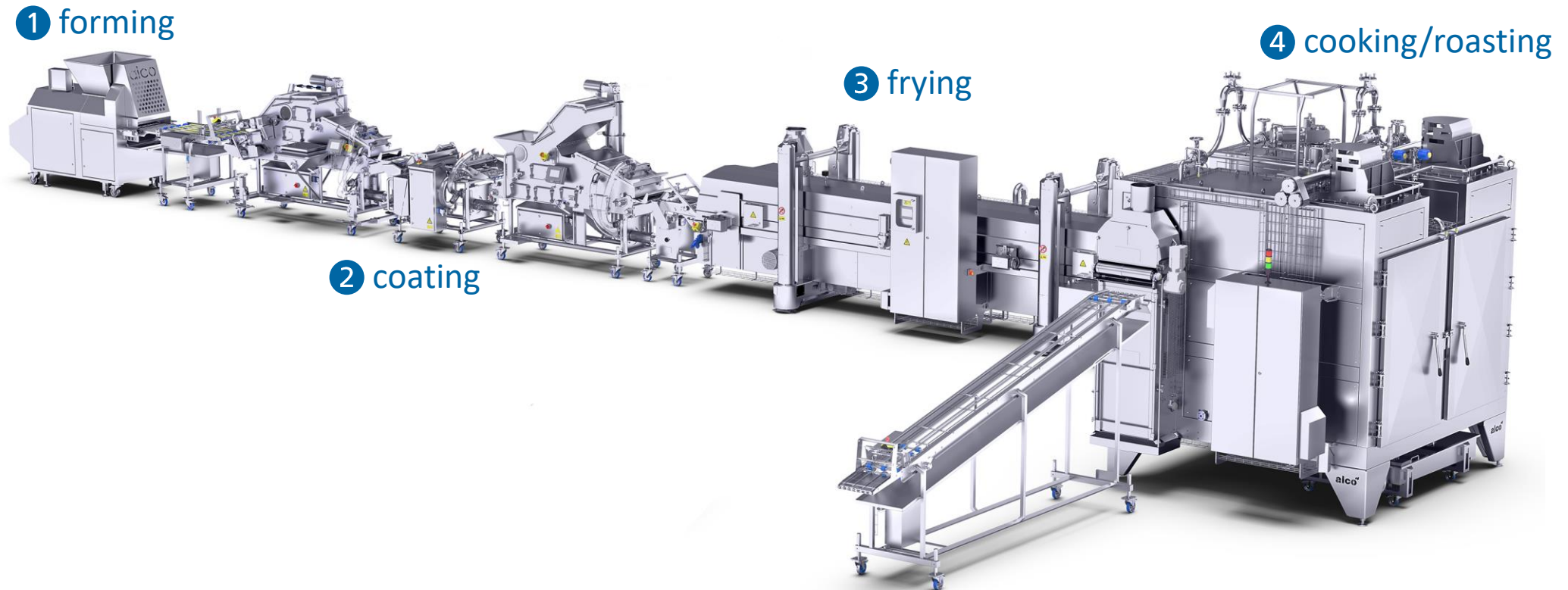
alco is characterized by constant further **development, reliability, and flexibility** towards our clients and a connection to our roots.

Founded as a family business over 40 years ago, we've stayed true to ourselves to this day: Direct communication at eye level and the goal to extensively and optimally meet client requests, have made us what we are today: a **strong partner in the food processing industry**.

Our employees, clients, and end users notice that – thanks to us providing innovative solutions that are individually tailored to your needs!

Machines that fit your business

It takes more than one step to make finished products. With our **convenience technology**, all processing steps required for forming to flattening, cutting, and coating to frying, cooking, pasteurization, fermentation, and cooling can be completed automatically.



Your idea is unique. So are our solutions.



Meat processing

Good meat processing is a question of the right machine.

Whether juicy burger patties, crispy schnitzel, or stakes with grill-like flavor:

We'll help you out.



Poultry processing

Poultry is as versatile as our processing machines.

We know how you can optimally process grilled chicken breast, chicken nuggets or crispy thighs.



Vegetables processing

With vegetables, anything is imaginable. We make it possible.

Classic hash browns, Mediterranean stir-fried vegetables or floured onion rings:

Let us show you what we can do.



Fish processing

We have the matching machine for your individual fish dish.

Cook fish filets especially tender, roast the batter to a crisp or apply specific grill patterns to the product surface.



Plant-based food processing

Plant-based food is tasty in any shape, with lots of delicious flavor.

Vegetarian burgers, roasted vegetables or veggie gyros: plant-based substitutes can be processed with also easily and professionally.

Your idea is unique. So are our solutions.



Sauces & stews processing

We've got the machine for stews, sauces and ready meals.

Our HotCook is a true all-rounder: Stews, sauces and ready meals are its specialty.

You'll be impressed.



Dough processing

Dough offers so many possibilities, and our machines do handle it.

Crusty pizza, browned pretzels or lye sticks? Even when processing dough products, it pays using alco machines.



Milk & cheese processing

Cheesy or what? We can do cheese internationally.

Camembert, mozzarella sticks or grated cheese: Our plants will guarantee qualitative processing of your products.



Sweets processing

Sugary and sweet is always a good choice: Sweets for every taste.

Pies, wine gum and Berlin pastries are just some of the sweets that our food processing machines can handle.



Pet food processing

Believe us: even pets watch for good flavor and texture..

Processing dog bones, wet food or chew sticks is made easy with the alco convenience technology.

Have a look yourself!



Preduster ABM

Customized in every detail

Our systems are always a mirror image of your needs.

Our coating machines are **completely designed, engineered, customized and built** by our specialists at alco's headquarter in Bad Iburg, Germany, and in close consultation with our customers, guaranteeing **performance above regular expectations.**

Get an insight into what makes an alco Preduster **special and popular** among many food processing companies around the world.

Fine in taste

Working principle

Optimal coating with minimal material input: fine media such as fine-grained flour, spices, powder and sugar can be applied evenly and precisely regulated to your product.

Our **preduster ABM** allows for ideal processing of fine coating media. Two belt systems guarantee a complete and uniform coating. A lower belt guides the product through a media bed and at the same time the upper belt generates the necessary sprinkling from above onto the product to be coated.

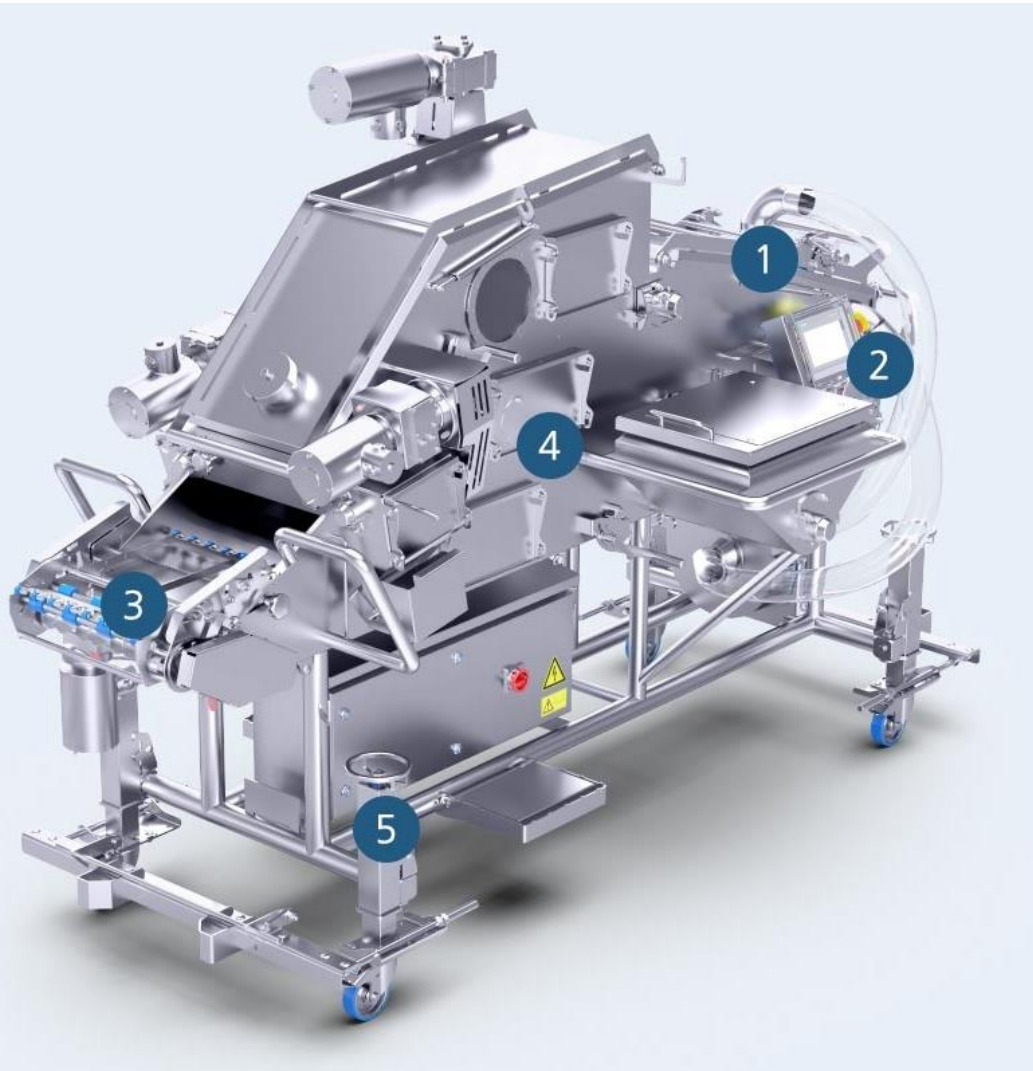
Via adjustable pressure, vibration and blow-off systems, your products thus receive exactly the coating you intended.

Perfectly suitable for

Application of dry rubs to BBQ meats, floured fish filets, predusted convenience food, seafood, pastries and candy



Perfect coating and optimum hold



Key Features

1: Air knife

removes excess material from the top of products via an adjustable blower system with additionally integrated return system.

2: PLC control

controls the plant in a smart and user-friendly way via a touch panel with functions like recipe management, etc.

Optional

3: High-speed product belt

allows for belt speeds of up to 29 m/min via a top performance stainless steel drive.

4: Vibrating plate

used for coarse coating material to be pressed onto the product for optimal coating and to eliminate void spots.

5: Spindle height adjustment

sets the height of the entire machine by means of a handwheel.



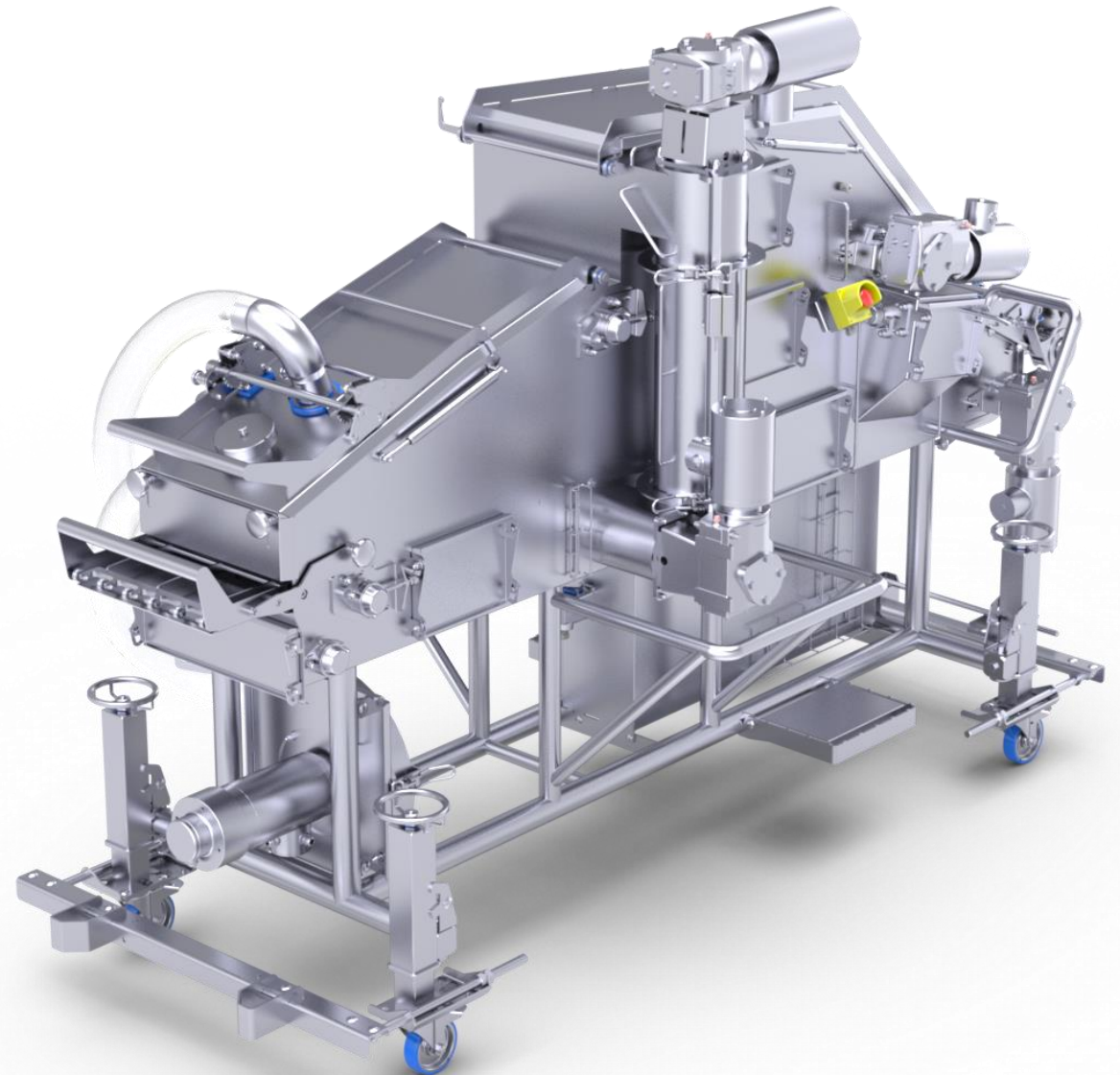
Easy to operate and to maintain

Benefits

- Continuously adjustable production speed
- Particular suitability for all coating materials of fine grain
- Conveyor system with material return and minimal dust generation
- Adjustable amounts of coatings to be applied
- Adjustable vibration and pressing devices for achieving the optimal coating result
- Perfect product transfer through a pivotal outlet belt
- Made entirely of stainless steel and food-approved high-quality plastics
- Easy-to-clean design, easy to empty the material

Watch YouTube-Video for more insights

Preduster ABM



Preduster ABM: Insights on processing



Conveyor system

Continuously adjustable production speed with material return system and minimal dust generation already integrated in the standard version.



Choose your product

Rely on the preduster ABM simply in any situation: whether fine flour, powder, spices or even sugar.



Follow-up devices

For the realization of the optimal coating result, adjustable vibration and pressure devices can be added as well as dust sucking units.



Individual adjustments

Adjustable application amount can be easily controlled by hand and without additional tools.

Preduster ABM: Exemplary products



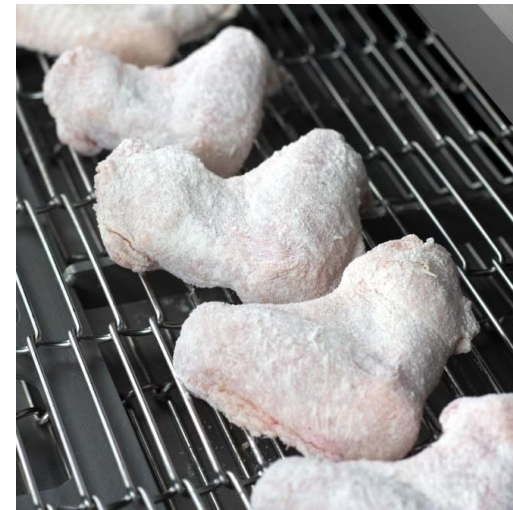
Spices

Speaking of the BBQ season, the preduster ABM is exactly the right choice to pick. Spiced pork, turkey breast or others: it's up to you!



Powder

Of course, coating with very fine powder should not be forgotten. Easy to apply and to process!



Flour

Apply flour to your products previously to applying batter and your results will become a great deal better than before.



Sugar

Cover your pastry or sweets with all kinds of sugars for the perfect taste, while producing on an industrial scale.

Additional devices for a fully automated production process

Flour Feeder APZ M

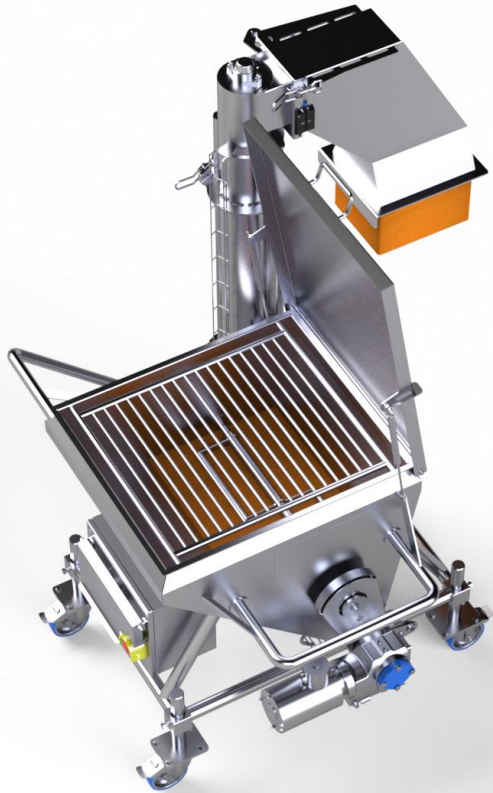
The alco flour feeder is suitable for almost all types of standard flours, spices or sugars, equipped with **high-quality stainless-steel drives** and is delivered including connecting elements for the pre-duster.

The coating material is gently fed by a feed screw into the upper hopper of the pre-duster. An additional horizontal feed screw, mounted at the bottom of the hopper, ensures a continuous and even transportation of the material.

Dustfree Cyclone PRO

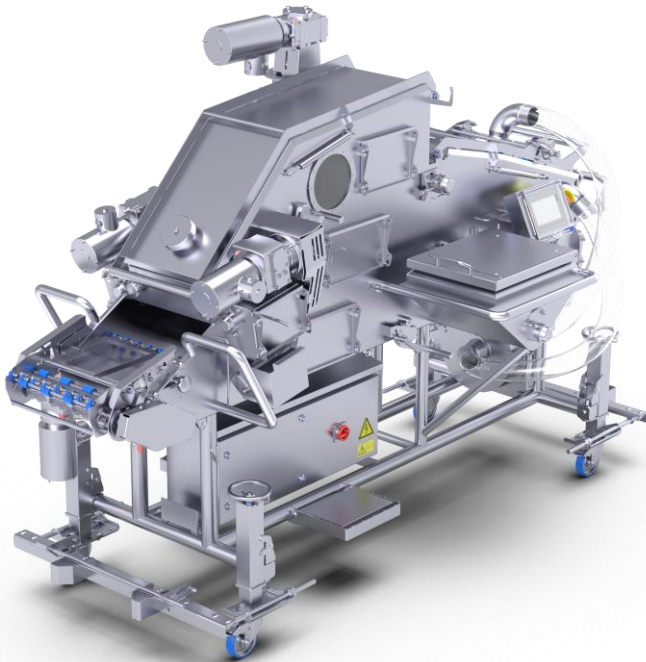
The alco dust extraction system Dustfree Cyclone PRO is used to continuously remove excessive dust from alco predusters and **ensures an almost dust free working environment.**

It is creating subatmospheric pressure within the machine, which whirls up all the dust. In the next step, this dust gets sucked out and collected in a separate collection tank for re-use, **increasing yields and sustainability in your business.**



Giving you the possibility to do more

Whether for smaller businesses or for large-scale production industry. Using the alco coating line, you'll get the appropriate application technology for your product. We'd also be happy to develop a completely individual solution for your product idea.



**Preduster
ABM PRO**



**Battering machine
APN PRO**



**Breeding machine
APT PRO**