



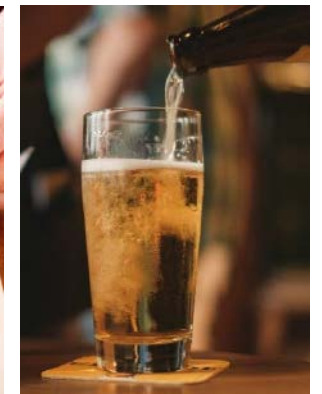
Bühler Solutions.

Explore innovative solutions for value chain in grains, food, feed and advanced materials.

Innovations for a better world.

 **BUHLER**

Every day, billions of people come
into contact with Bühler.



Global relevance.

Bühler's contribution to global nutrition and mobility.



**Feeding
2 billion
people
every day**



**Moving
1 billion
people
every day**

Bühler South Asia.

A play-to-win-organization.

Grains and Food

Milling Solutions

- Wheat and Rye
- Special Grains and Pulses

Value Nutrition

- Animal Nutrition
- Human Nutrition
- Drying
- Insect Technologies

Digital Technologies

- Sortex
- Digital Sense
- Data Analytics and Services

Grain Quality and Supply

- Grain Handling
- Rice Solutions
- Malting and Brewing

Consumer Foods

Consumer Foods Bühler

- Confectionery
- Bakery
- Chocolate Mass
- Wafer
- Biscuit
- Food Other
- Non-Food

Advanced Materials

Die Casting

- High End Solutions

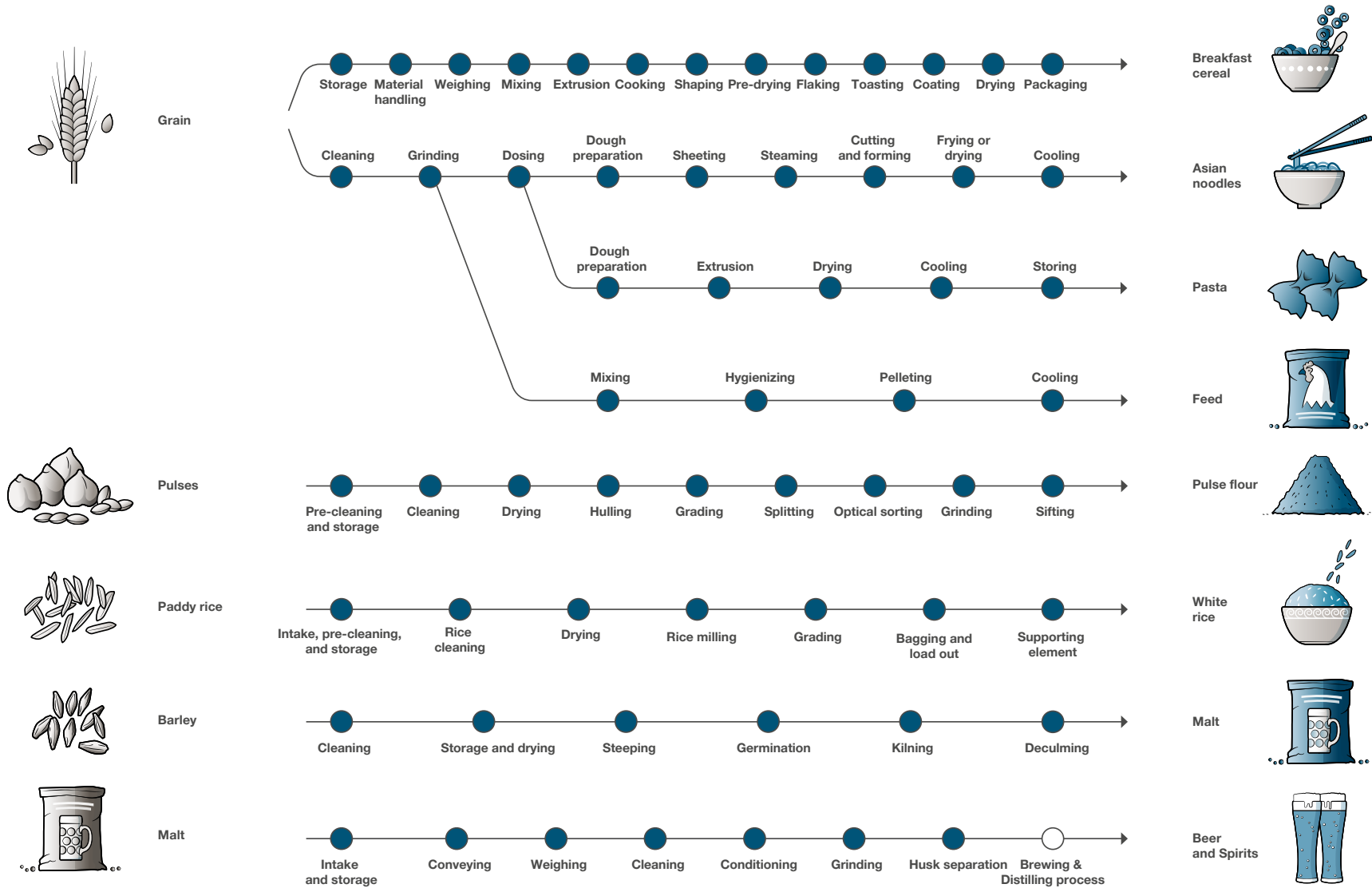
Grinding and Dispersing

- GD Core
- Battery Solutions

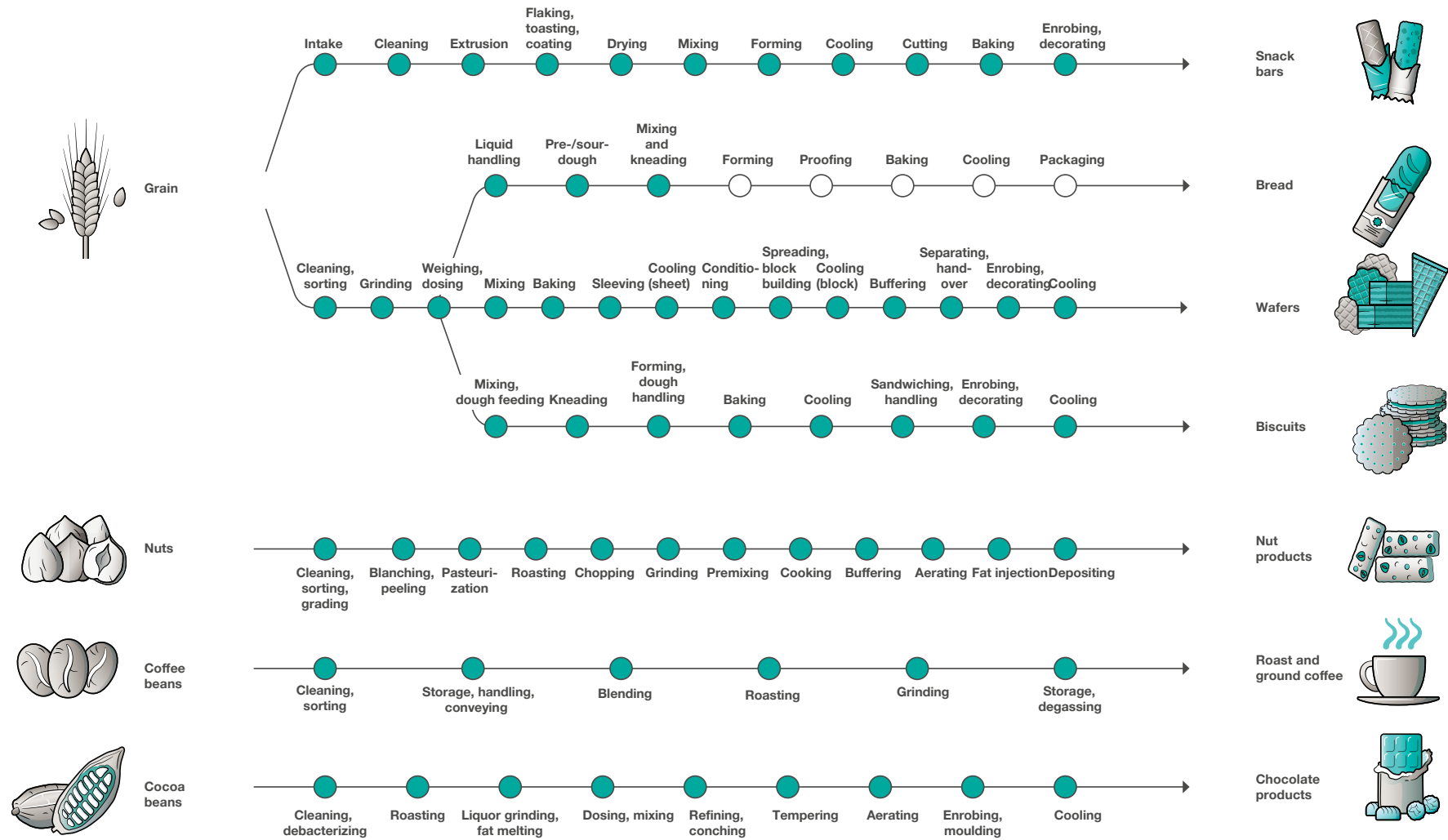
Leybold Optics

- Optics
- Energy
- Technology Parts

Grains and Food.



Consumer Foods.



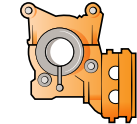
Advanced Materials.



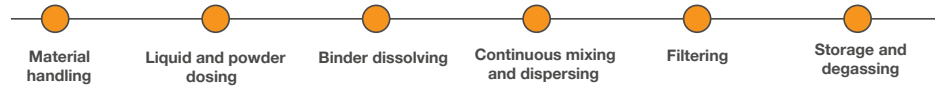
Aluminum,
magnesium



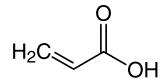
Die-cast
components



Active material,
conductive additives,
binder, and solvent



Electrode slurries
for batteries



Acrylic
acid



Diaper
filling



Film



Food
packaging
material



Resin



Eyeglasses



Pigments
and chemical
materials



Paint and inks,
coatings, cosmetics,
agrochemicals

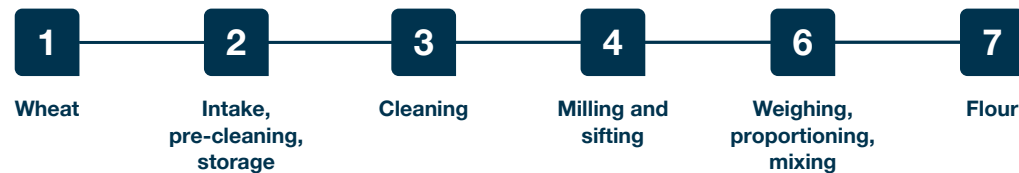


● = where Bühler technologies are involved

Wheat and rye processing.

Extracting the best out of valuable raw materials.

Milling solution business unit offers customers around the world cutting-edge process technology and innovative engineering services for processing soft wheat, durum and rye. This includes comprehensive total solutions as well as stand-alone machines for each process operation.



Industrial atta processing.

Innovative grinding technology.

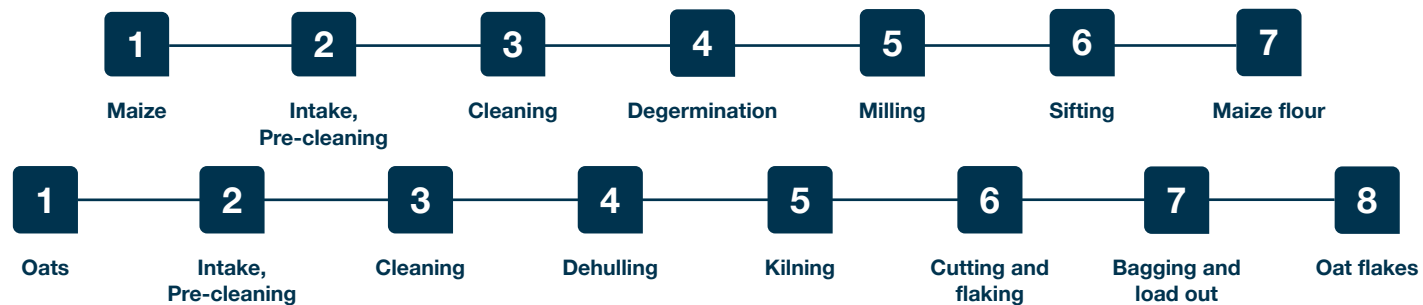
The PesaMill™ high-compression mill produces a wide range of flours, including atta flour and wholegrain flour for flatbreads (roti/chapati). It sets new standards of food safety, flexibility and energy efficiency.



Special Grains.

Complete solutions for processing maize/corn and oats.

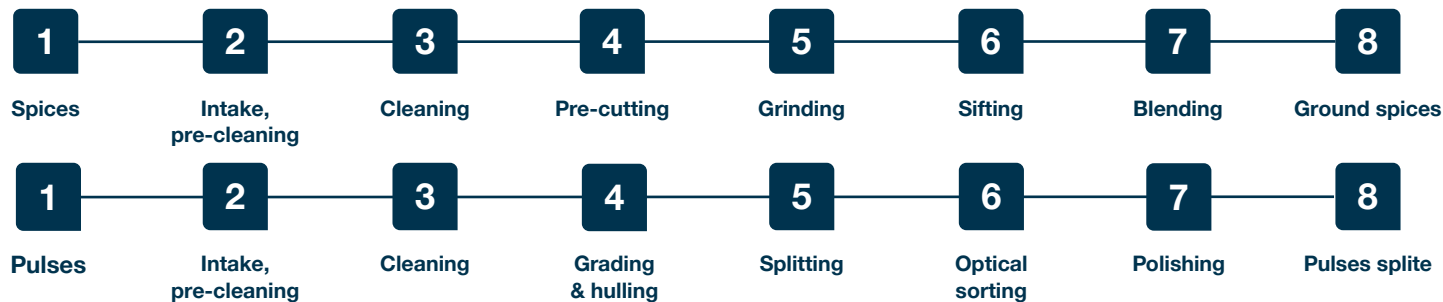
We understand the complexities and variants of these commodities, and as a leading global technology partner, we are able to deliver customized solutions that can provide performance, yield and efficiency superiority that maximize profitability.



Pulses, Spices and Seeds.

Leading in pulse and spice processing.

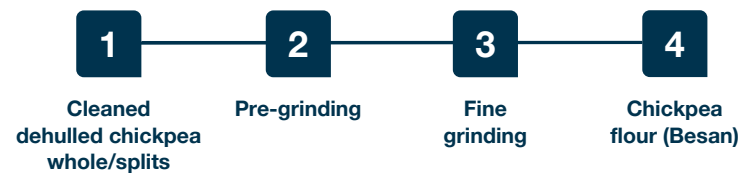
Our milling experience of over 150 years backs our understanding that different grains need different handling. Pulses and spices are no different. With pulses, it is important to handle them gently to ensure optimum yield and with spices, the focus should be on maintaining aroma and color.



Chickpea Flour (Besan).

Specialized processes.

Bühler, presents an innovative solution for producing Besan from chickpeas. Bühler besan mill is capable of delivering high quality produce, increasing productivity and improving plant efficiency with the flexibility of producing a range of Besan grades from the same mill.



Rice solutions.

Best in class rice mills.

Be it a single machine, a turnkey project for paddy to rice milling, or re-processing, at Bühler, we go beyond just the supply of machines. Technology and process recommendations, project management inclusive of installation, erection and commissioning and lifelong customer service are the offerings that distinguish Bühler from its competition.



Feed milling.

Feed for livestock, fish, and pets.

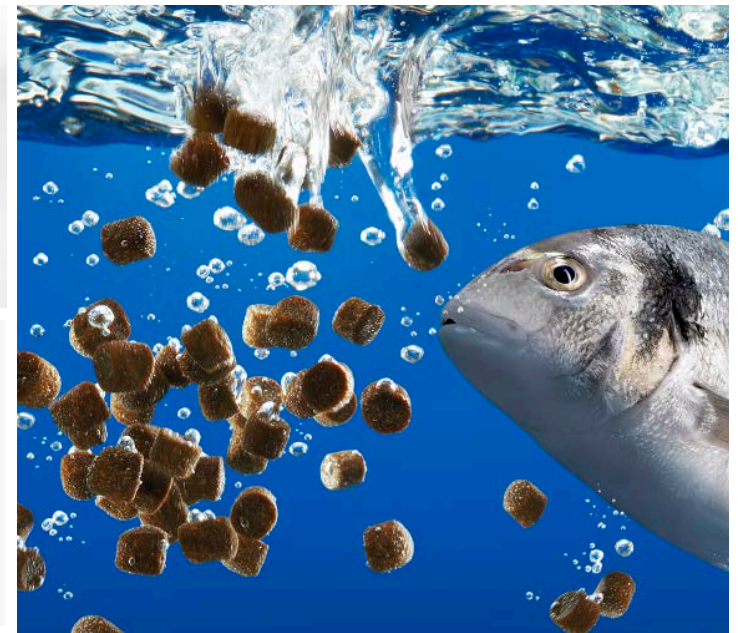
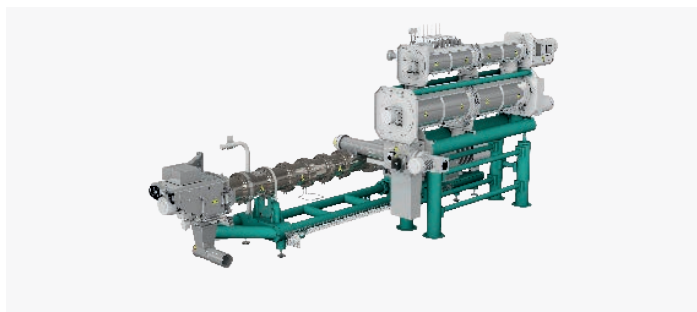
Bühler feed production plant and equipment are characterized by high-quality, process reliability, and long life cycles – resulting in high-quality end products.



Aqua feed.

Aqua feed solutions you can rely on.

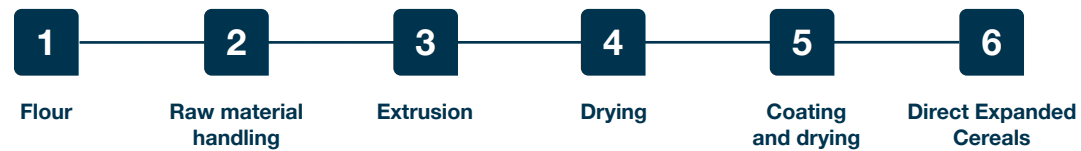
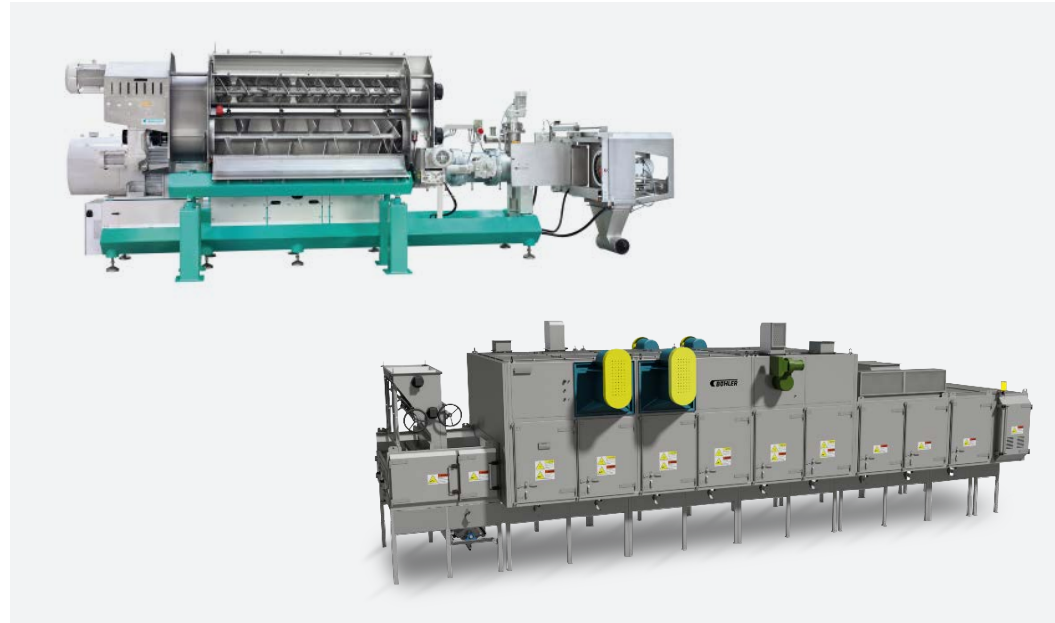
The key to producing quality aqua feed without losing essential nutrients is a gentle extrusion process. Our extrusion solutions give you precise control over the cooking and shaping process so that you can produce fish feed of the highest quality.



Direct Expanded Cereals.

Extruded Products: Innovative extrusion solutions without limits.

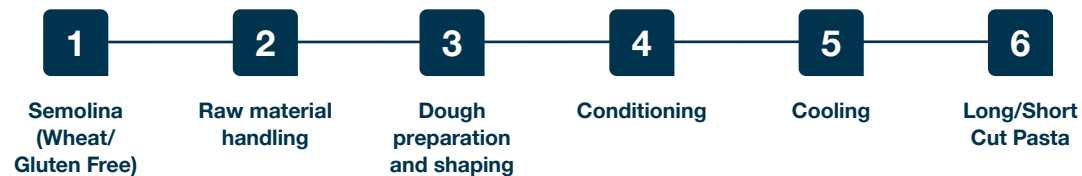
Bühler is the global technology partner for companies producing breakfast cereals, extruded snacks, and food ingredients on an industrial scale.



Pasta.

State-of-the-art processes.

Bühler Pasta solutions with our Polymatik™ technology play a key role in making high-quality pasta as per your preferred raw material and a customized drying curve. Furthermore, our patented process can handle a variety of gluten-free flours from rice, corn, quinoa, pulses and more.



Solutions for perfect Asian noodles.

State-of-the-art integrated process solutions.

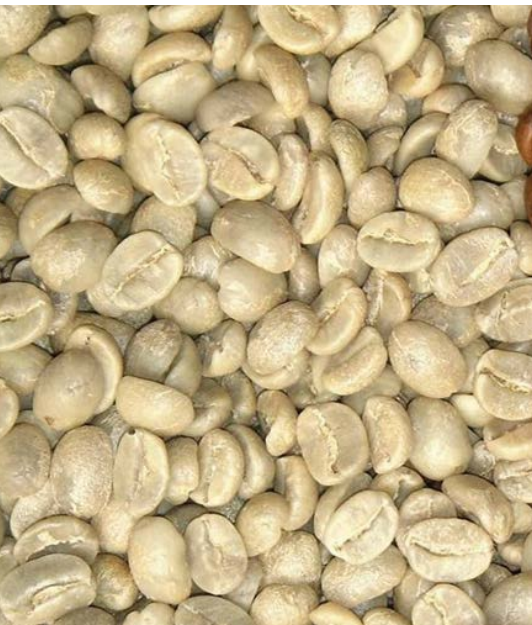
Building on our long history and proven technology in pasta processing, we were the first supplier to introduce continuous dough mixing to the noodle industry. Today, we are continually innovating to enable you to produce high-quality, stable noodles, every time.



Solutions for roasted bean and ground coffee.

Bringing coffee flavor sensations to life.

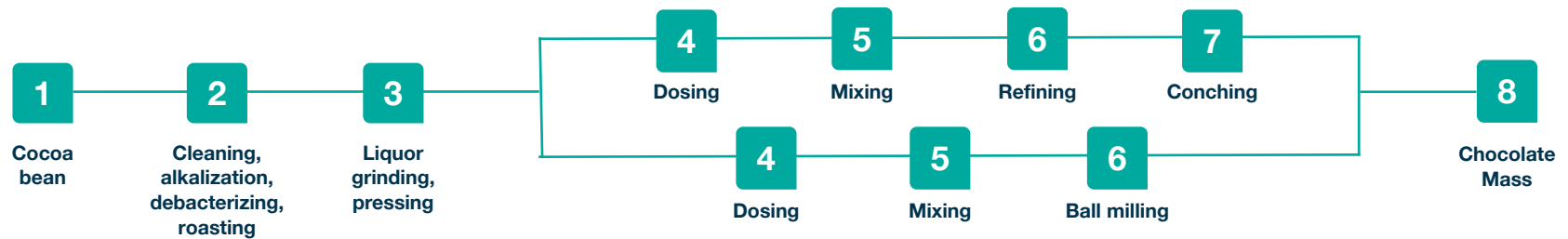
Bühler is the coffee industry's competent partner in consulting, technology, development, project management and customer service. We offer optimized solutions spanning the entire range of industrial coffee processing.



Cocoa and chocolate processing.

Delightful solutions.

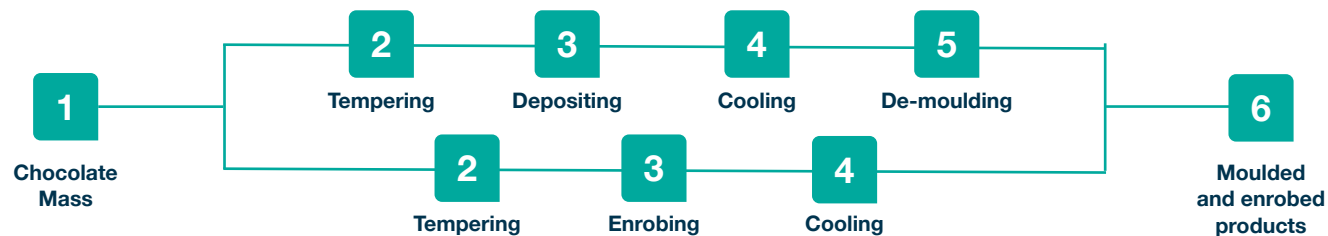
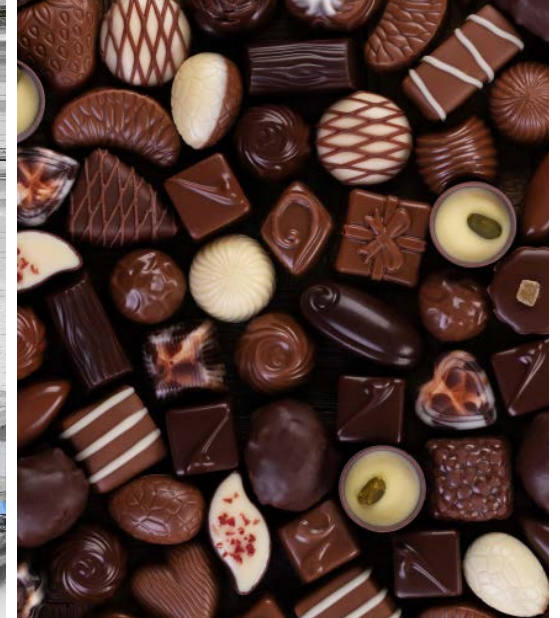
Efficient technology all along the value chain – from raw cocoa bean to the finished chocolate mass, perfected by excellent taste.



Advanced chocolate depositing solutions.

Customized solutions can help you meet changing consumer tastes.

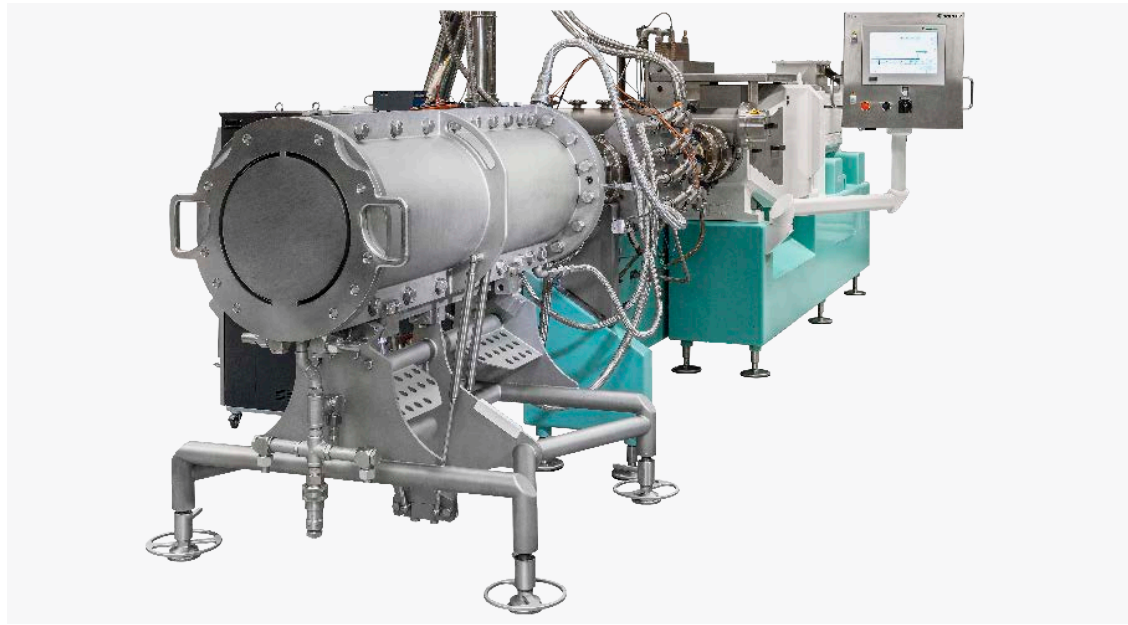
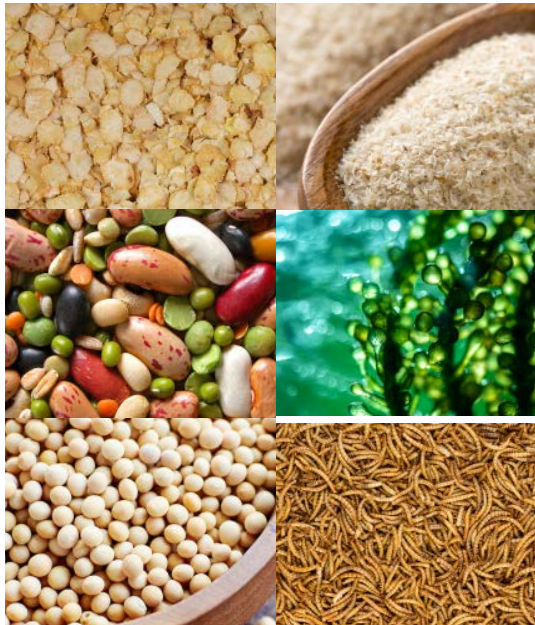
We meet your need to process customized chocolate recipes – perfectly shaped, with maximum weight accuracy and an outstanding finish and snap. Our innovative depositing and moulding lines deliver that for all your bars, pralines, filled chocolates and hollow figures.



Innovative solutions and processes for today and tomorrow.

Solutions for texturization of plant-based proteins.

Bühler is at the heart of alternative proteins and food ingredient processing ensuring a steady move towards sustainability. Our twin screw extruder, special cooling dies and the process expertise are some of the components contributing to your success. We are the alternative food industry's competent partner.



Biscuit and crackers.

Recipes for efficiency.

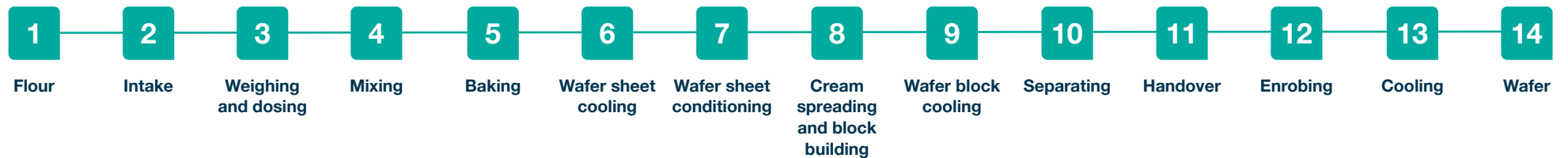
Regardless of how diverse customer tasks are, they are all linked by a single claim: highest product efficiency. Bühler offers integrated lines from mixing, forming, and baking for the production of biscuits, cookies, crackers, and cakes.



Wafers.

When thought and action go hand in hand.

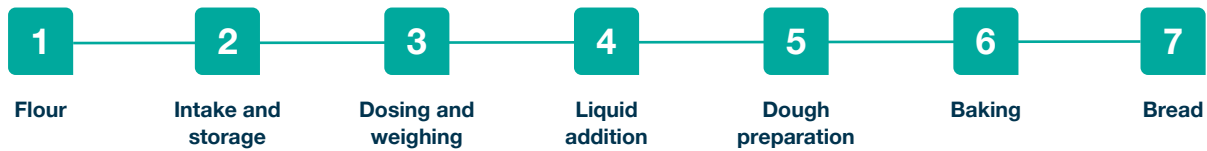
Our baking systems are designed as complete lines for automated production of flat and hollow wafers, stick wafers, rolls, and ice cream cones. Their versatility makes them a prime option to adapt to changing tastes, such as a preference for healthier snacks.



Bakery and ingredient handling.

From grain to bread.

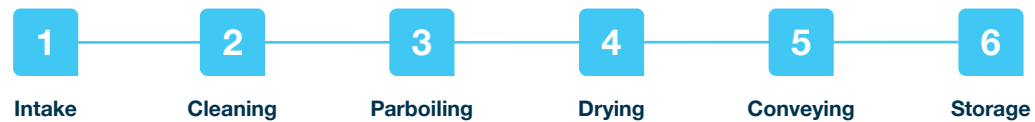
The efficient and precise provision of raw materials is crucial for the quality of the end products in industrial bakeries. Our customers benefit from our many years of expertise in all process stages.



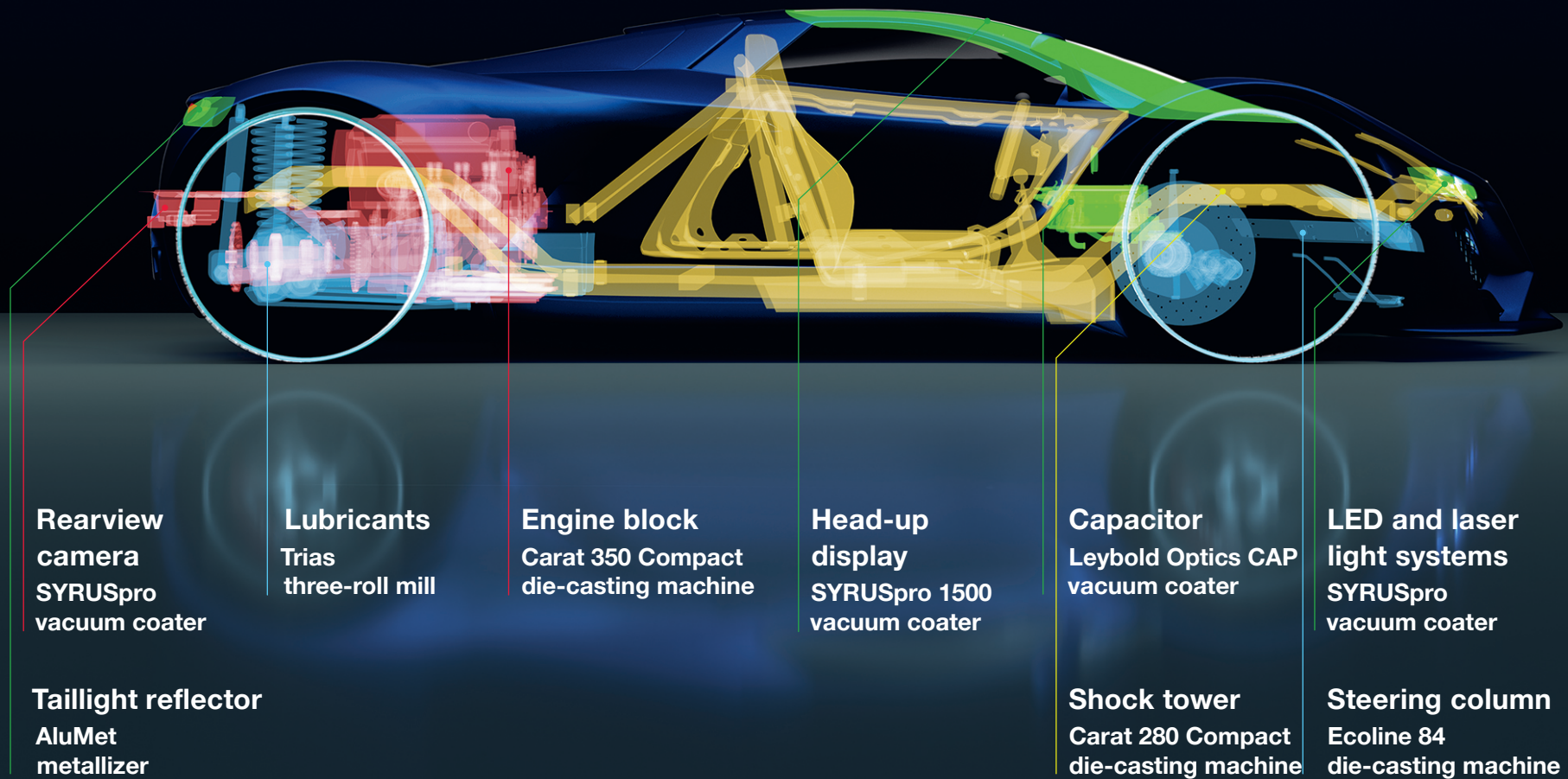
Grain conveying and storage.

Sustainable solutions along the food value chain.

Bühler is your technology partner for complete solutions, equipment, along the entire food value chain – from collection, pre-cleaning to, drying & silo storage of agricultural produce.



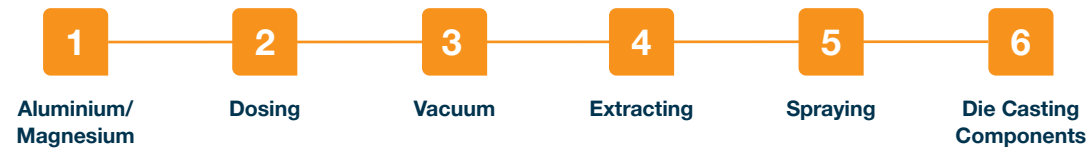
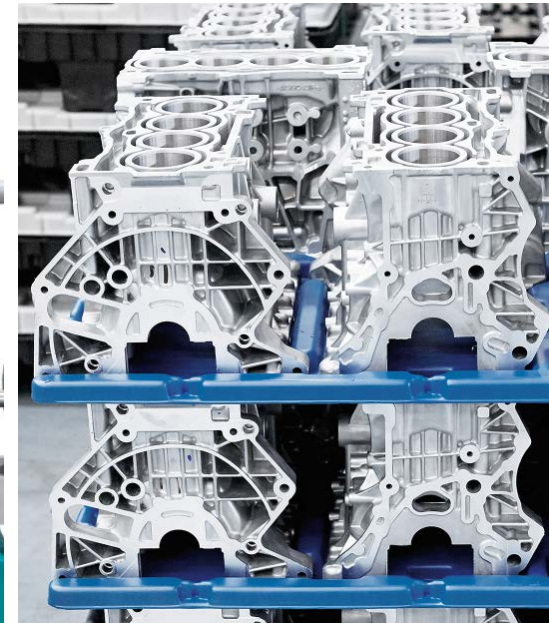
Bühler in automotive.
We drive the future.



Die casting.

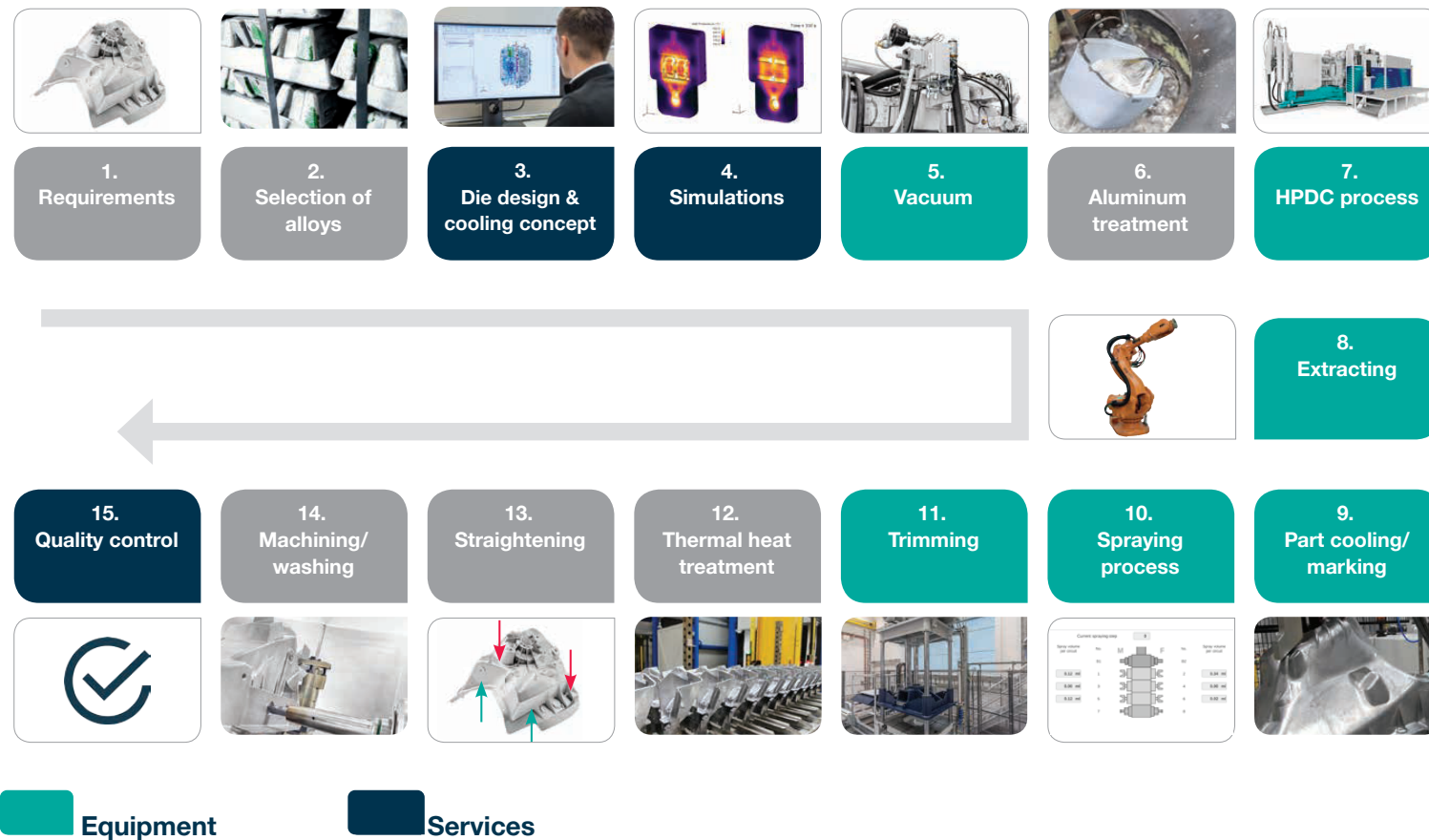
Technology partner in the supply of smart die casting solutions.

Our die casting cells set standards in terms of capacity and integration. Bühler supports its customers from process-specific die design to die cavity filling and solidification simulations, up to the point of readiness for quantity production.



Structural Process Chain.

We support you during the complete process.



Grinding and dispersing.

Future oriented technology for wet process.

Bühler Grinding and Dispersing offers extensive expertise and supplies customized systems for complex wet grinding processes. The innovative combination of modern machine technology and excellent process technology allows optimal solutions for various applications and areas.



1

Raw Material
Pigment Oil
Varnish Additives
Binder

2

Mixing
Precise-
Controlled
Mixing

3

Grinding
Bead mill
Triple Roll Mill

4

**Quality
control-measurement**

5

Correction
Adding
Blending
Mixing

6

End Products and Packing
Printing Inks and Security Inks
Colorants and Coating
Cosmetics and Pharmaceuticals
Battery Slurries and Agro Chemical

Thin film vacuum coating.

Precision optic solutions.

As one of the world leaders in thin-film technology, Bühler Leybold Optics develops and manufactures high-vacuum deposition equipment for a broad range of applications.



Buhler (India) Pvt. Ltd.

13-D, 12-D, 13-C and 13-B
KIADB Industrial Area
Attibele, Bengaluru 562 107
India.

T +91 (0)80 6777 0000

F +91 (0)80 6777 0183

buhler.bangalore@buhlergroup.com
www.buhlergroup.com

Value Chain en 0222 Z&B 220359