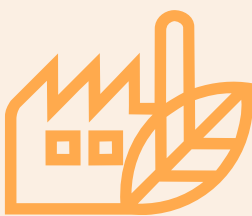


Solve formulation challenges before they reach your production line

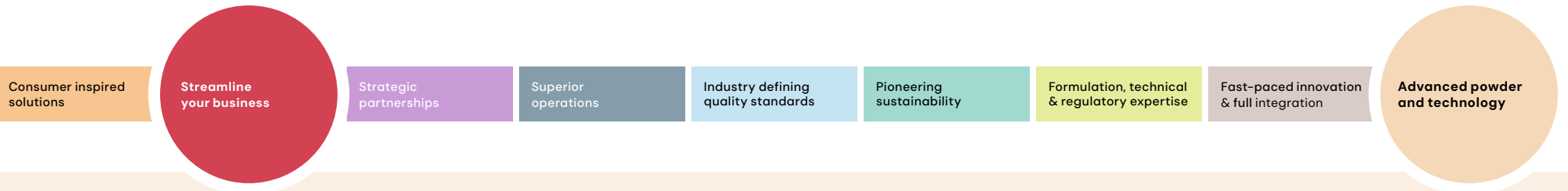
Simplify operations and improve manufacturing performance with dsm-firmenich's Premix solutions powered by Advanced Powder Technology

Manufacturing performance is shaped during formulation, where even small inconsistencies in ingredient compatibility, uniformity, or flowability can create bottlenecks and delays.

Premix is more than a blend—it is where nutritional science, formulation expertise, and advanced technologies come together to create differentiated solutions. At dsm-firmenich, we go beyond ingredients, drawing on nine areas of expertise to create custom premix solutions that support you from concept to launch.



What if your premix could help **improve processability and manufacturing efficiency** from the start?



Technical and process optimization

Our Premix solutions integrate a proprietary **Advanced Powder Technology toolbox** to tackle a wide range of application and formulation challenges.



Stability and oxidation
Maximize shelf-life & reduce overage



Taste and palatability
Make challenging ingredients easy to enjoy



Moisture control
Improve flowability & stability of highly hygroscopic ingredients



Uniformity and mixing
Achieve accurate dosing & label claim confidence



Solubility and dilution
Enable faster and better dispersibility



Compression and flowability
Deliver consistent uniformity & effortless compressibility

Four common production challenges, solved

Production challenge 1 Meet label claims with confidence High overages holding back your micro-dosed formulas?	Production challenge 2 Press without capping Are defects like capping giving you a headache?
The challenge Micro-dosed actives can clump or spread unevenly through a large blend, risking inconsistent dosing or failed label claims.	The challenge Inappropriate drum-to-hopper formulation or poor ingredient selection can undermine compressibility, causing tablets to split.
Our solution Our Nutrient Dilutions include 400+ custom-designed proprietary triturations that evenly disperse micro-dosed ingredients without high overages.	Our solution We embed granulation, microencapsulation, and specialized coatings into your premix to improve flow, compressibility, and cohesion before the tablet press.
The result Ultimate content uniformity and average reduction by up to 10%* 	The result Stronger tablets that prevent capping, lamination, and powder bleeding. 
Production challenge 3 Keep gummies stable Is ingredient stability affecting your gummies?	Production challenge 4 Reduce cost and complexity Need to take the complexity out of your operations?
The challenge Unprotected ingredients can oxidize through interactions with other ingredients or poor storage conditions, affecting gummy stability and appearance, from discoloration to dark spots.	The challenge Managing multiple straight ingredients leads to quality variations, excess testing, and inventory challenges that affect both cost and performance.
Our solution Our proprietary spray-dried and coated vitamins and minerals help protect sensitive ingredients and reduce unwanted interactions during gummy processing.	Our solution From simple triturations to turnkey blends, our premix solutions help reduce value chain complexity, increase efficiency and support profitability.
The result Improved stability and appearance, ready to add any color 	The result Up to 20% lower operational costs** 

Ready to turn technical complexity into manufacturing confidence?

Our formulation experts are here to take on your toughest challenges and enhance your manufacturing performance. Get in touch to see how we can support you at every step.

Connect with an expert.

* Formula and application dependent.
** Maximum reduction observed from dsm-firmenich assessment. Total savings in the past 12 months (DS application). Reduction depends on formula complexity and annual volume.

dsm-firmenich has used diligent care to ensure that the information provided herein is accurate and up-to-date to the best of its knowledge. However, dsm-firmenich makes no representation or warranty, either expressly or implied, of the accuracy, reliability, completeness, or suitability thereof. The information provided herein contains scientific and product information for business-to-business use and does not constitute or provide scientific or medical advice, diagnosis or recommendation for treatment options. Country or region-specific information should be considered when labelling or advertising to final consumer. In no event shall dsm-firmenich be liable for any direct or indirect damages arising from or reliance upon, or use of, any information provided herein. The content of this document is subject to change without further notice. Please contact your local dsm-firmenich representative for the latest information. All trademarks listed in this document are either (registered) trademarks of, or trademarks licensed by, the dsm-firmenich group of companies, unless explicitly stated otherwise.