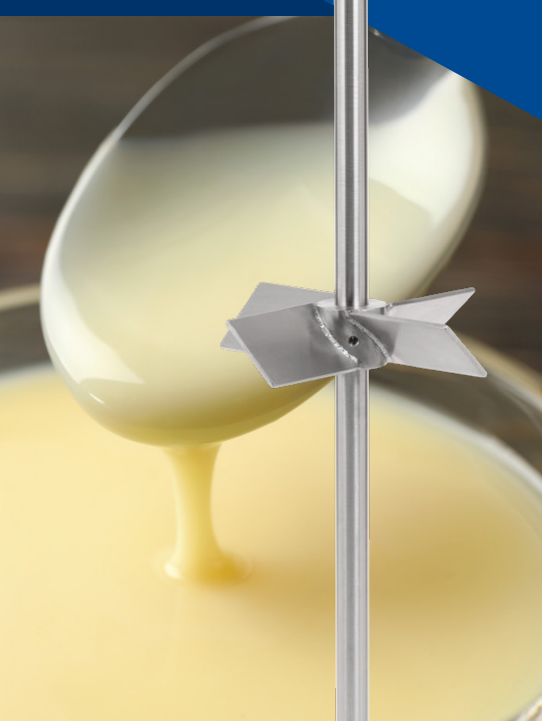


## Mixing solutions that fit your process



**Your mixing challenge.  
Our expertise.**

## Smart mixing solutions for sanitary processes.

Packo Inox Ltd, part of the Verder Group, is a trusted partner for companies operating in demanding process industries.

With over 50 years of experience, Packo Inox designs and manufactures high-quality stainless steel pumps, static and dynamic mixers for hygienic applications.

### We don't believe in one-size-fits-all solutions.

We believe in the right mixing technology for your process.

### Mixing starts with understanding your process

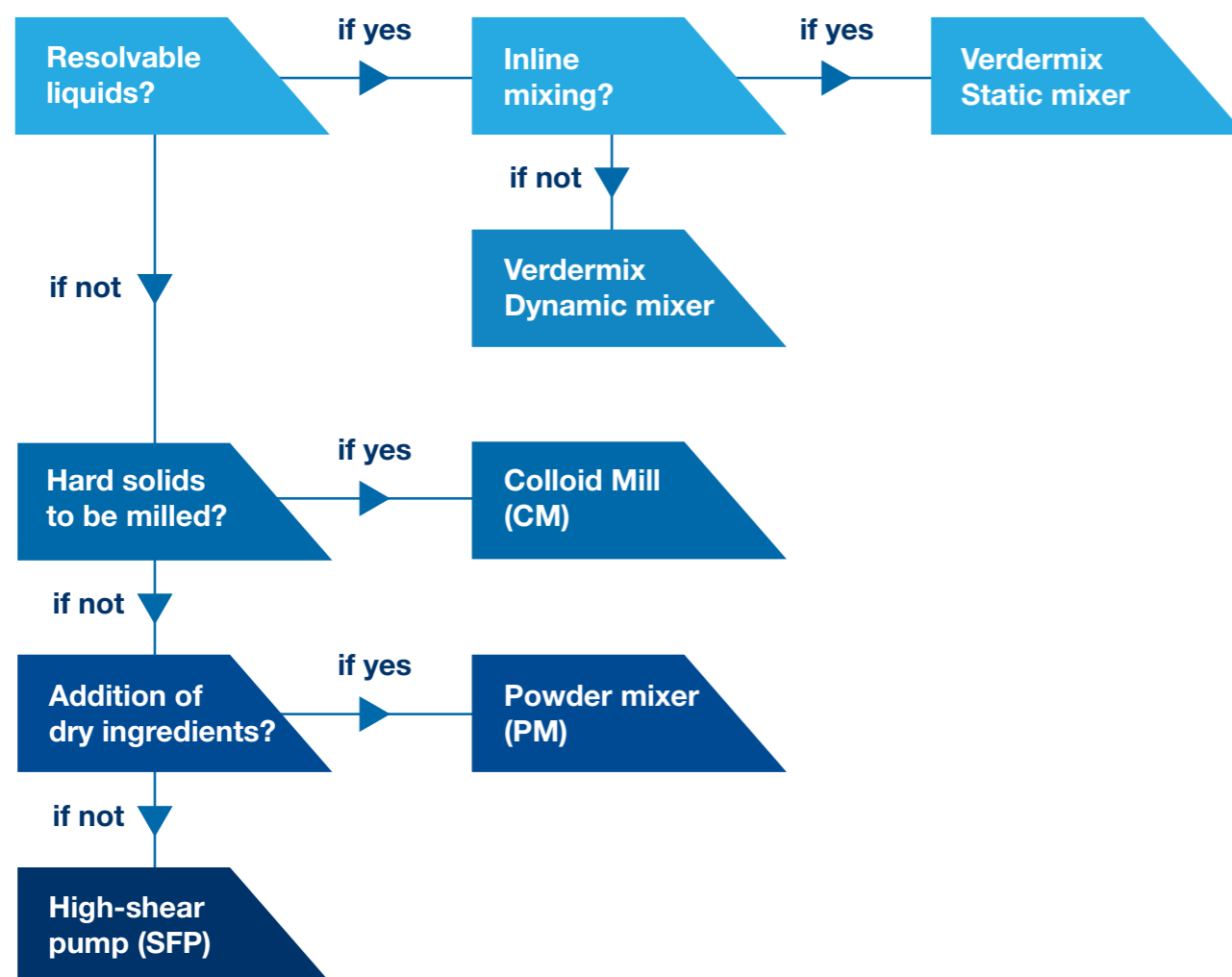
Every product, every process and every mixture is different.

The optimal mixing solution depends on:

- The nature of the fluids
- Physical properties such as viscosity and density
- Solubility of the components
- Presence of solid particles
- Required homogeneity and process time

That's why we always start from **your** application.

## Here is how to select the right mixing technology



## Solutions tailored to your mixing needs

Verdermix static and dynamic mixers are used to blend resolvable fluids. To mix unsolvable fluids, mechanical energy must be applied—for example, through shear in a high-shear pump or a colloid mill, particularly when solid particles in the liquid need to be broken down.

### Homogeneous blending of resolvable fluids

Efficient, reliable and energy-saving

#### Solution:

- Verdermix static mixers
- Verdermix dynamic mixers

#### Why choose this solution?

- Consistent and repeatable mixing quality
- Low maintenance and long service life
- Ideal for continuous processes
- Fully hygienic design

#### Typical applications:

- Food & beverage
- Pharmaceuticals
- Chemicals

### Dispersion and size reduction of solid particles

For demanding mixing and shearing applications

#### Solution:

- High-shear pumps
- Colloid mills

#### Why choose this solution?

- Efficient particle size reduction
- Fine and uniform dispersion
- Improved product stability and consistency

#### Typical applications:

- Suspensions
- Products containing hard solids
- Sauces
- Dressings
- Cosmetics
- Process emulsions

## Verdermix

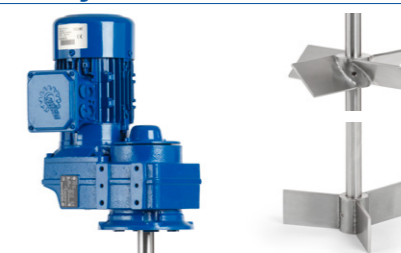
Typical for carbonization of beverages, mixing syrup and water, adding curing agent to silicone, ...

### Static mixers



Size	DN4 - DN800
Flow rate	0 - 1000 m³/h
Viscosity	1 - 10.000 cP

### Dynamic mixers



Speed	20 - 3000 rpm
Max motor power	11kW
Viscosity	1 - 1.000 cP



## High-shear pumps

Self-pumping in-line mixers.

Typical for droplet size-reduction, pigment solution, smoothening of yoghurt, fish-eye removal in soft drinks, ...

### SFP2



Max flow	80 m³/h
Differential head	45 m
Max shear	100.000 s <sup>-1</sup>
Max viscosity	1.000 cP
Max motor power	22 kW

### SFP3



Max flow	200 m³/h
Differential head	55 m
Max shear	60.000 s <sup>-1</sup>
Max viscosity	1.000 cP
Max motor power	45 kW

## Powder mixer

Compact mixing unit based on SFP2 high shear pump used for blending dry ingredients into a fluid stream. Typical for blending, dissolving and mixing powders, thickeners, emulsifiers and stabilizers in the dairy, beverage, food and personal care industries.

The powder mixer is used to blend ingredients such as flour, sugar, baking powder, vitamins, minerals, protein powders, whey protein, dehydrated vegetable powders, spices, flavourings and other dry components into (viscous) liquids.

### PM



Max flow	50 m <sup>3</sup> /h
Max shear	60.000 s <sup>-1</sup>
Max viscosity	1.000 cP
Max motor power	11 kW

## Colloid mill

Hygienic mill to grind particles in suspension.

Typical for mustard production, milling poppy seeds, mashing orange skin, ...

### CM



Max flow	30 m <sup>3</sup> /h
Max shear	100.000 s <sup>-1</sup>
Max viscosity	1.000.000 cP (with feed pump)
Max motor power	45 kW



## Packo Inox

- Over 50 years of proven expertise
- Hygienic stainless steel solutions
- Tailor-made mixing and pumping systems
- Part of the global Verder Group
- Trusted worldwide across multiple industries

**Packo**  
a **VERDER** company



Mixing-technologies  
Centrifugal-pumps



Packo components  
Mixers

Packo Inox Ltd • Industriepark Heernisse • Cardijnlaan 10 • 8600 Diksmuide • BELGIUM  
Tel. +32-51-51 92 80 • E-mail: diksmuide.packo.be@verder.com

<https://www.verderliquids.com/int/en/packo/mixing-technologies-centrifugal-pumps/>  
<https://www.packocomponents.com/en/products/mixers>

[www.linkedin.com/company/packo](http://www.linkedin.com/company/packo)