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# AGITATOR TECHNOLOGY IN PERFECTION

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FOOD

**PRG**

RÜHRTECHNIK IN PERFEKTION



## EXCELLENT QUALITY, FIRST-CLASS ADVICE: THE PERFECT MIX FOR YOUR SUCCESS

With more than 35 years of experience in agitation technology and process engineering, innovative technologies and first-class advice, PRG mbH is one of the world's leading suppliers of agitators and agitation plants.

With the highest level of precision and state-of-the-art manufacturing methods, we develop and produce agitators and mixing systems that perfectly fit for your processes. You can rely not just on the quality of our products but also on our well-established expertise as consultants: Exceptional knowledge of the industry and a sound understanding of its processes ensure that we will always offer you the best possible technical solution to meet your needs. This is something that

our customers from a wide range of industries can always count on, whether they come from the cosmetics, chemicals, biotechnology, food, biogas or pharmaceuticals sectors, or are system planners for large-scale industrial applications or medium-sized companies.

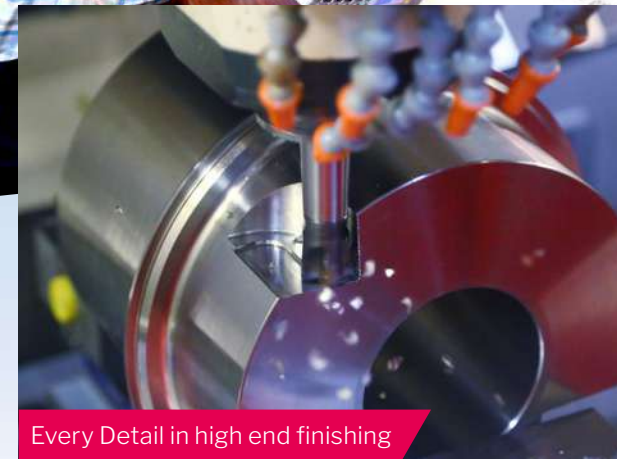
**Economical, innovative, reliable: Take your agitation technology to a new level - we look forward to your enquiry!**

>120  
EMPLOYEES

4,800 m<sup>2</sup>  
PRODUCTION  
AREA

>50%  
EXPORT QUOTA

High level consulting from the very beginning of a project



Every Detail in high end finishing



Innovative technology for highest requirements



PRG company history from 1981 to the present

**1981**  
Founded by  
Hubert Dierkes

**1990**  
New building goes up  
at the Warburg site

**2001**  
Frank Dierkes  
appointed  
Managing Director

**2004**  
PRG joins the  
BANG training  
network

**2005**  
Expansion:  
Production area

**2007**  
Further construction:  
Warehouse customi-  
sation and the production  
of steel parts, offices and  
training rooms

**2010**  
PRG India  
founded

**2012**  
Further construction:  
Offices, social areas, tech-  
nical centre, final assembly  
for pharma/biotech, small  
parts and pallet storage

**2016**  
Expansion:  
Surface  
finishing

**2017**  
Further construction:  
self-contained ware-  
house and logistics



## AGITATORS FROM PRG: INDIVIDUAL AS YOUR PRODUCTS

To ensure that you always get the best agitation results for your products, we offer you a wide range of highly-developed agitator types – from gear-driven agitators with different impeller designs and coaxial agitators through to homogenisers.

These are all freely configurable to ensure seamless integration into your processes. We can also offer special constructions designed by our own development department to meet your specific requirements. As diverse as our agitators and mixing devices are, they are all characterised by excellent material and manufacturing quality, as well as maximum economic efficiency and reliability. This is because we use only raw materials of the highest quality and selected components from well-known manufacturers.

We also offer exceptional vertical integration in our production, which makes it possible for us to manufacture or finish most of the required agitator components independently. In this way, we can respond to your wishes with the greatest possible degree of flexibility and, at the same time, guarantee precision and quality down to the smallest detail. Of course we always adhere to the applicable statutory provisions and your internal factory standards in the development and manufacture of our products.

Whatever you plan to do: We will build the right agitator for you!



X-ray fluorescence spectroscopy



Quality check on every agitator



## GEAR DRIVEN AGITATOR BOTTOM INSTALLATION

**Processes:** Mixing, storing, open process, sterile process

**Viscosity range:** 1 mPas to 5,000 mPas

**Capacity range:** 1,000 l to 80,000 l

### Application area:



Food



## FRESH IDEAS FOR REFRESHING PRODUCTS: AGITATOR TECHNOLOGY FOR THE BEVERAGE INDUSTRY

**Best taste and consistently high quality:** When manufacturing beverages, every production step must be perfectly adjusted both to the recipe, and to the raw materials used. At the same time, the highest hygienic standards must be maintained.

Agitators and agitator systems from PRG meet all of these requirements and are individually designed for our customers' processes and products. At the same time, they can be used for a wide variety of processes from mixing and stirring, heating and cooling, to maintaining temperatures or storing or buffering beverages. With our refreshing ideas like our low-maintenance gear-driven agitator for bottom installation, which covers an especially large viscosity range, or our aseptic magnetic agitators, agitator technology from PRG also guarantees the highest level of cost effectiveness and flexibility.

The production of beverages requires a maximum of hygienic design competence. Agitators and agitator systems from PRG are manufactured to the highest standards in hygienic design. Thus we follow the approved standards of the European Hygienic Engineering & Design Group (EHEDG) in the process engineering and structural design of our aseptic systems. Of course we fulfil the requirements of the FDA, as well as EU Regulations 1935/2004.

**Whether soft drinks, fruit juices, milk mix drinks, or wine:** With agitator technology from PRG, producing your beverages becomes a pleasure in itself ...



Quality that sweetens your clients









## U-Z-AGITATOR

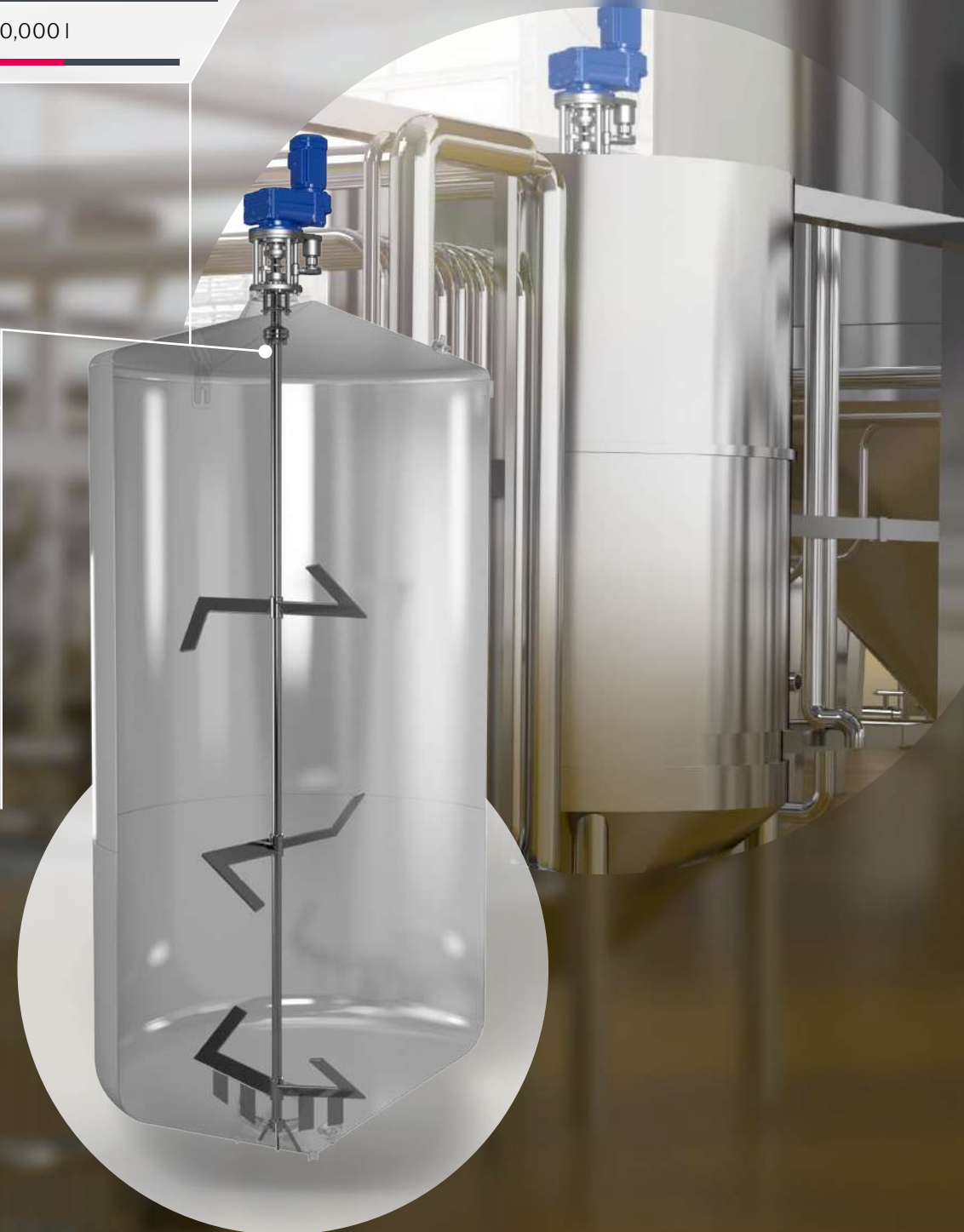
**Processes:** Mixing, storing, open process, sterile process

**Viscosity range:** 1 mPas to 30,000 mPas

**Capacity range:** 100 l to 200,000 l

### Application areas:

-  Food
-  Chemicals
-  Cosmetics
-  Pharmaceuticals



## SO THAT YOUR IDEAS BECOME A REALITY: AGITATOR TECHNOLOGY FOR LIQUID FOOD PRODUCTS

Whether fruit preparations, yoghurt, ice cream, or the widest variety of confectionery: The creativity and product diversity in the liquid food sector is virtually limitless; just like the process engineering possibilities that our agitators and agitator systems can offer you.

We design and manufacture customised agitator systems so that every product idea reaches the consumer exactly as our customers visualised it during development. They ensure the gentle treatment of the sensitive raw materials and efficient operation, and meet the highest aseptic and hygienic requirements. As a result, our products are “fit for purpose”, or in other words, tailored precisely to the respective consumer product, and they can handle a wide range of mixing tasks, whether mixing, cooling, heating, dissolving or emulsifying.

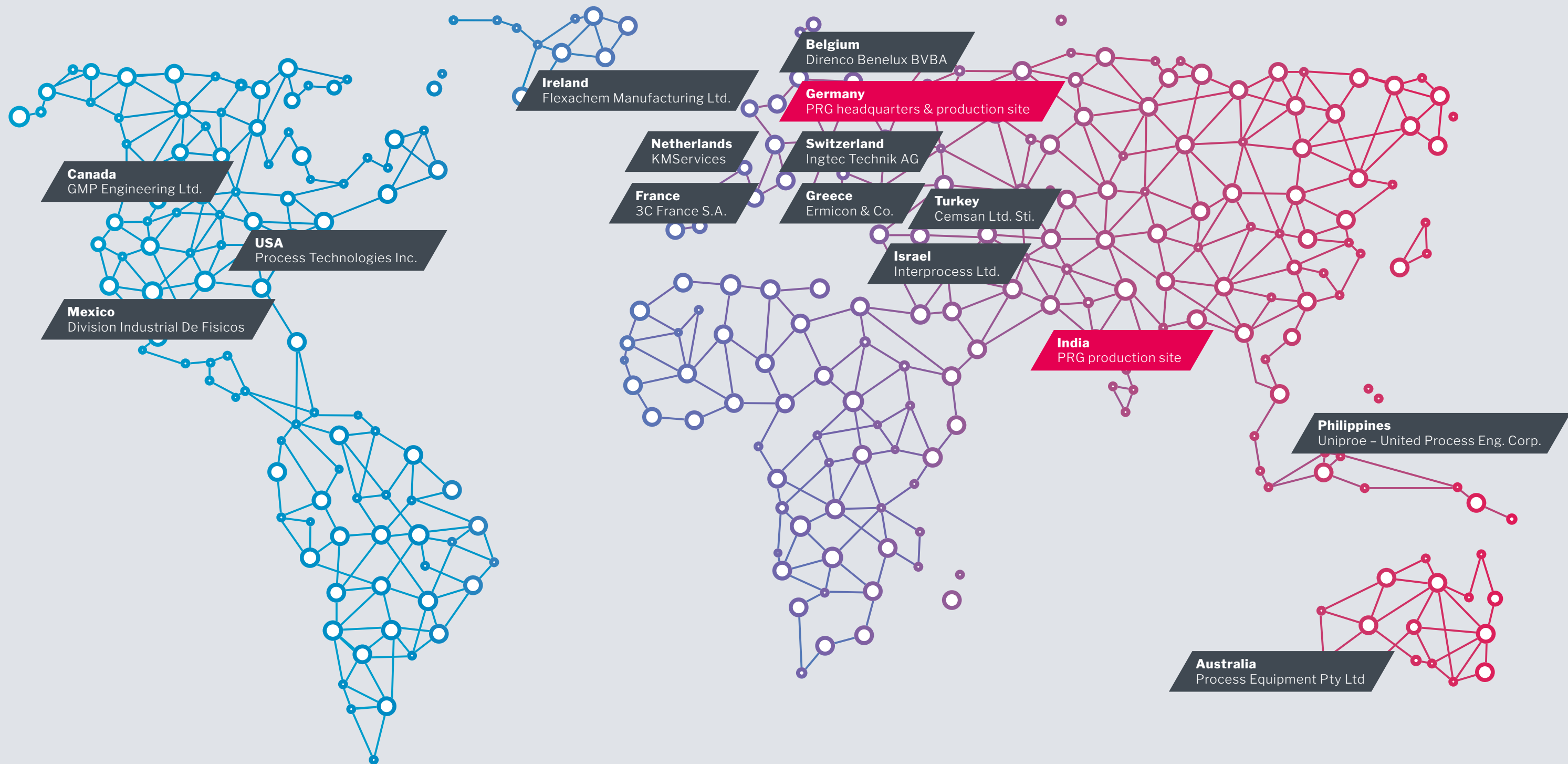
In addition to the final product itself, the respective product characteristics are the focus of design and production. Thus shear-sensitive products require a different processing technique than emulsions, such as mayonnaises or salad dressings. The same applies to viscous or chunky liquids. Because of our long-term experience in the food sector, you can trust that your products will be “in the best hands” with PRG.

We would be delighted to speak with you personally about the many options for precisely fine-tuning your production processes. We look forward to your enquiry!



Agitator technology for high quality products





## WE'RE AT YOUR SERVICE THROUGHOUT THE WORLD

We take pride in offering you the best service for your PRG agitators and agitation plants at all times. This starts with advice and planning – and continues way beyond the manufacture of our products.

We're there for you around the clock – and around the world – and are on hand at all times with all the advice and practical support you need. Regardless of whether your agitation equipment needs maintenance, you want to further optimise your processes

or you need quick support and the right spare part in the event of a repair: With 15 sites or representatives on four continents, we're always close by and at your disposal at all times. We look forward to a cooperative partnership with you!



PRG Präzisions-Rührer-Gesellschaft mbH  
Anton-Böhlen-Strasse 13  
34414 Warburg  
Germany

**Phone** +49 (0)5641-9006-0  
**Fax** +49 (0)5641-9006-99  
**Email** info@prg-gmbh.de



PRG Agitators Pvt. Ltd.  
66 Alindra, Savli GIDC  
Manjusar, Vadodara – 391 775  
Gujarat, India

**Phone** +91 972 633 68 24  
**Email** info@prgagitators.com

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More than 35 years of experience, innovative technologies and first-class consulting expertise: This mix has made PRG mbH one of the world's leading suppliers of agitators and mixing units. Our products are used all over the world in a wide variety of industries – whether for cosmetics, chemicals, biotechnology, food, biogas or pharmaceuticals.

- Customised agitator technology
- Ultimate consulting expertise
- Very wide product range
- Detailed quality and precision

PRG Präzisions-Rührer Gesellschaft mbH  
Anton-Böhlen-Straße 13 • 34414 Warburg

**Phone** +49 (0)5641 9006-0 • **Fax** +49 (0)5641 9006-99  
**Email** [info@prg-gmbh.de](mailto:info@prg-gmbh.de) • [www.prg-gmbh.de](http://www.prg-gmbh.de)

