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RAMPF MACHINE SYSTEMS

EPUSELF

Do-it-yourself mineral casting for industrial and leisure applications

RAMPF

#DiscoverTheFuture



Chemical and Engineering Solutions



Advanced Polymers



Composite Solutions



Machine Systems



Production Systems

RAMPF Machine Systems is a company of the international RAMPF Group. Find out more on page 8.

RAMPF Machine Systems

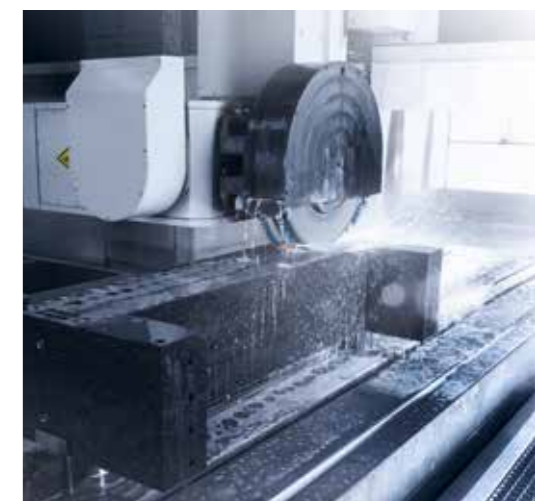
Innovative solutions for highly dynamic production technology

We are the market-leading development partner and system supplier of complete machine beds and machine systems.

Our product portfolio encompasses

- > System solutions, trunk and base machines, as well as multi-axis positioning and motion systems built on machine beds and frame components made from high-performance materials such as mineral casting, hard stone, and ultra-high-performance concrete
- > Contract grinding of high-precision machine components

With this holistic approach, RAMPF Machine Systems serves as the ideal partner for the development and manufacture of pioneering machinery and production technology in a wide range of industries, including electronics, semiconductor, and solar module production, laser, woodworking and textile machines, measuring, testing, and inspection technology, as well as machine tool manufacturing.





EPUSELF

Do-it-yourself mineral casting

wide range of applications in the industrial and leisure sectors

+ YOUR BENEFITS

- > **Ready-to-use:** Pre-metered 30 kg containers and easy mixing in the provided bucket make light work of do-it-yourself mineral casting manufacture. The material provided bucket is designed so that it can usually be cast without compaction.
- > **Protecting the environment:** EPUSELF materials can be processed without danger, are environmentally friendly, and can be disposed of as demolition waste. The information on the technical data sheets must be followed.
- > **Outstanding properties:** Mineral casting has a high material damping capacity, a good mass/rigidity ratio, and a perfect ecological balance. Components made of EPUSELF materials feature optimal thermal stability and high media resistance.

Material expertise:

Our chemists and physicists have been developing high-performance, epoxy resin-bonded mineral casting materials for over 40 years. We ensure reproducible material parameters to DIN 51290.

Consulting expertise:

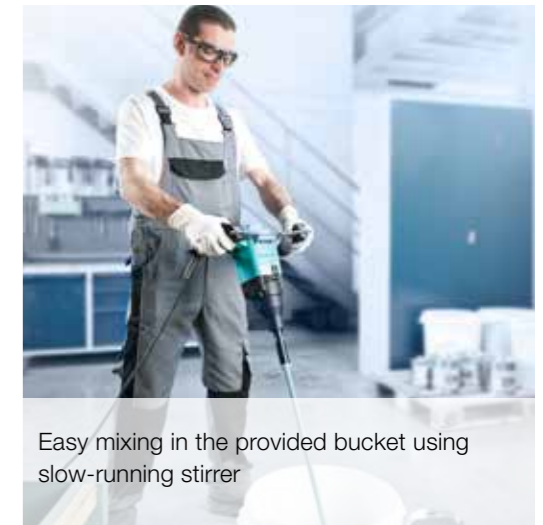
Highly qualified designers act as your consultants and problem solvers for casting-compatible design and processing. We will be pleased to support your project with cutting-edge 3D-CAD.

Production expertise:

State-of-the-art production methods and equipment ensure cost-effective, environmentally compatible, and high-quality manufacturing and filling in containers.



Ready-to-use delivery in 30 kg containers consisting of mineral grading curve, resin, and hardener



Easy mixing in the provided bucket using slow-running stirrer



Direct filling of sheet metal assemblies or casting in molds / simple shells



EPUSELF | High-performance mineral casting systems

for do-it-yourself filling and casting of vibration-damping components and products

EPUSELF, the tried-and-tested mineral casting technology for do-it-yourself manufacture, offers a wide range of applications in the industrial and leisure sectors thanks to easy handling of the three pre-metered components supplied with each order (resin, hardener, and minerals). The required reaction is produced by completely mixing these three components together.

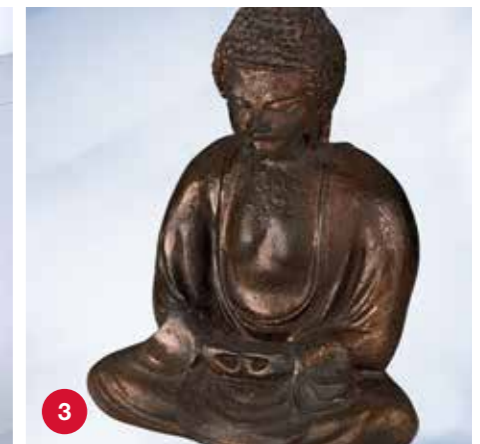
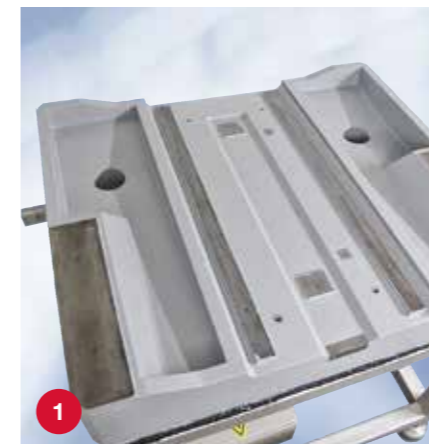
As well as casting and filling vibration-damping machine components such as beds, stands, and gantries, there are also interesting applications in the acoustics, design, construction, and art sectors.

	MEASURE	EPUMENT® 140/8B	EPUMENT® 140/5	EPUMENT® 130/3
Density	g/cm ³	ca. 2.3	ca. 2.3	ca. 2.3
Modulus of elasticity (compression testing)*	kN/mm ²	> 35	35–40	> 25
Compressive strength *	N/mm ²	> 130	140–160	> 130
Flexural strength *	N/mm ²	> 30	35–45	> 35
Coefficient of thermal expansion (20°C)	10 ⁻⁶ K ⁻¹	ca. 17	ca. 19.5	ca. 20
Damping (logarith. decrement)		0.03	0.035	0.038
Maximum particle size	mm	8	5	3
Minimum castable wall thickness	mm	40	25	15

* Measured on Form + Test Seidner testing machine, model 502/3000/100SP

+ ADDITIONAL INFORMATION

- 1 Vibration-damping machine beds for customized production technology
- 2 Optimum sound quality thanks to vibration-damping loudspeakers made of mineral casting
- 3 Artwork made of weather- and moisture-resistant mineral casting



We are inventors. Team players. And a strong partner.

RAMPF stands for pioneering chemical solutions and visionary engineering. Worldwide.

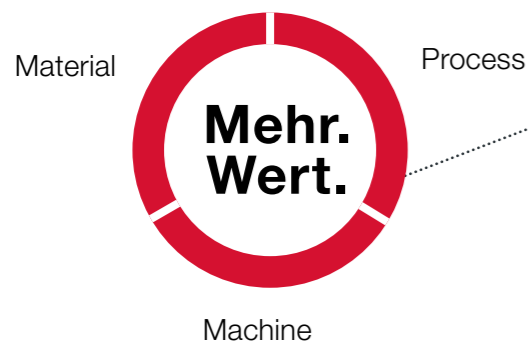
From a one-man operation to an international group with twelve sites spread across three continents – with our products and solutions centered around reactive resins, machine systems, and lightweight construction with composites, we rank among the market leaders in a whole host of industries.

Discover the future – this is both our corporate slogan and the foundation of our long-standing success story. In close cooperation with our customers and partners, we develop tomorrow's products and solutions today – for the decisive competitive advantage.

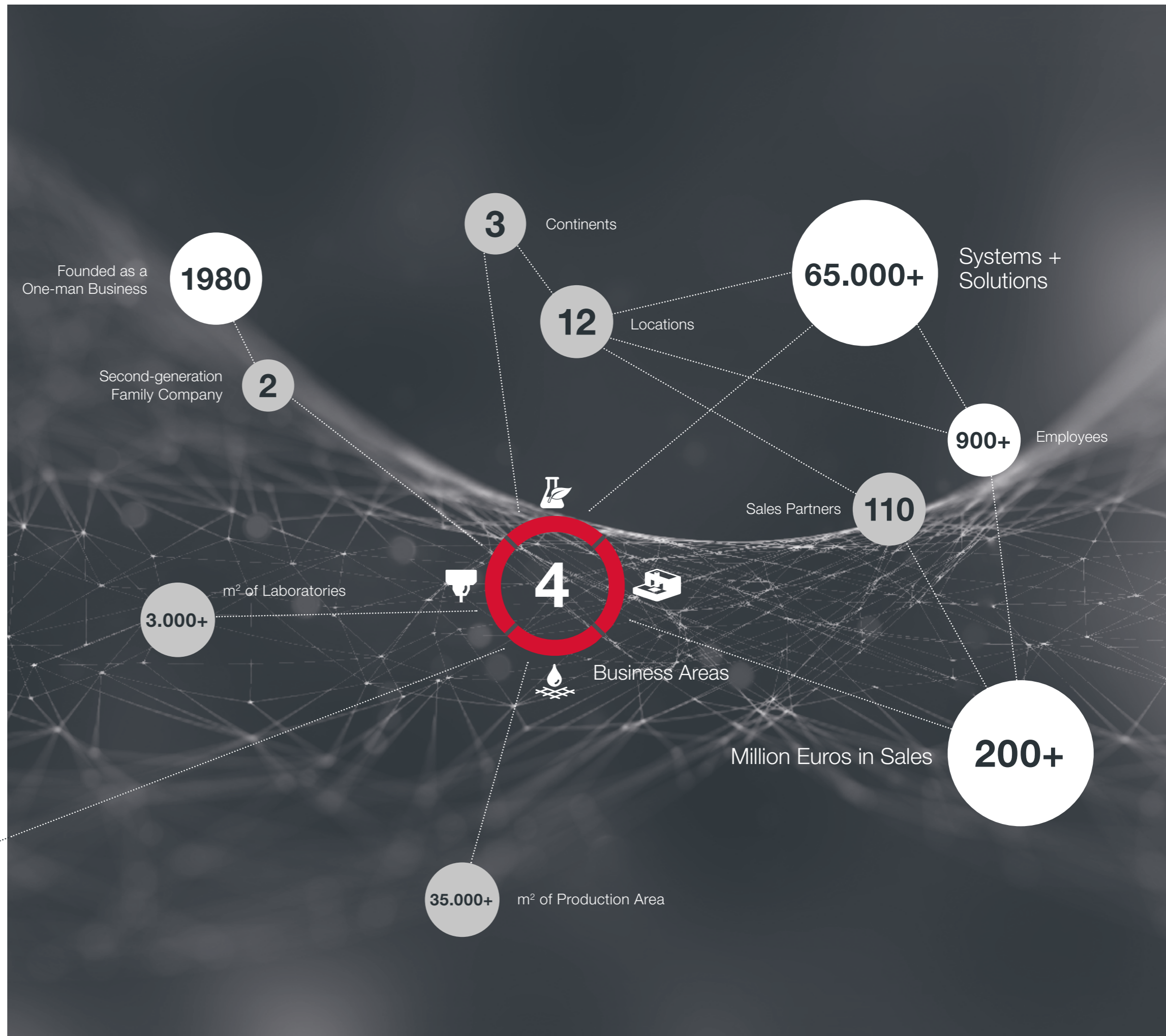
Sustainability has been a priority right from the outset. This is no mere buzzword but an integral part of our day-to-day activities. As pioneers of chemical recycling, we have been contributing to an effective circular economy for decades. The raw materials that we recycle are used both by our customers and within our Group.

We are also a sustainable employer. RAMPF grows with its employees – we invest in our staff and are keen for them to work with us in the long term. We achieve this by openly showing appreciation and offering extensive training and development opportunities.

A forward-looking, sustainable, and value-creating family-run business – as a partner to industry and as an employer, we attach the greatest of importance to trust and reliability. These qualities are an absolute must when it comes to establishing long-term, successful partnerships.



RAMPF – Chemical and Engineering Solutions.
Utilize our wide-ranging innovative potential for Added.Value.





RAMPF –

discover the future

Developing the Solutions
of Tomorrow – Today.

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Mass production?
Not at RAMPF.

**We engineer
made-to-order solutions.**

