

STARTUP DESCRIPTION	
CONTACT	BUSINESS ACTIVITY
<ul style="list-style-type: none"> <li>startup name: <a href="#">femtoG</a></li> <li>location (country, city) <a href="#">Zürich, Switzerland</a></li> <li>website <a href="https://femtoG.com/">https://femtoG.com/</a></li> <li>contact person (name, first name) <a href="#">Friebel, Franz</a></li> <li>who is presenting? <a href="#">Friebel, Franz</a> (only 27<sup>th</sup>), <a href="#">Wieder, Jörg</a> (25<sup>th</sup> or 27<sup>th</sup>)</li> <li>phone no. +41 76 520 2970</li> <li>e-Mail <a href="mailto:franz.friebel@femtoG.com">franz.friebel@femtoG.com</a>, <a href="mailto:joerg.wieder@femtoG.com">joerg.wieder@femtoG.com</a></li> <li>founding date 07/2024</li> </ul>	<ul style="list-style-type: none"> <li>Description of business activities</li> <li>What is sold by the startup to whom?</li> </ul> <p><a href="#">femtoG</a> sells a next-generation particle analyzer for a comprehensive characterization of pigments, battery materials etc. Further, we provide an analysis service and provide consulting.</p> <p>Our customers are producers and users of said materials. We also work together with governmental (e.g., nanoparticles, inhalable dust) and standardization organizations.</p>
PRODUCT, TECHNOLOGY, EXPERTISE, CUSTOMER BENEFIT, USP	
<p>Particles are not round, yet everybody defines their size via a diameter which results in major analytical blindspots. <a href="#">femtoG's</a> mission is to increase the attention to a particle's mass – a fundamental quantity with many benefits. The PowMaster instrument uses two independent and non-optical measurement concepts to determine the mass (in femtogram; <math>10^{-15}</math> g) and diameter of single particles. With this deep knowledge, many data products such as e.g. aggregate structure can be derived. The analysis is fast, precise and provides that extra bit of information for your R&amp;D department. Nobody can measure the packing density (~porosity) of single particles, PowMaster measures this density even as a function of the particle size. <a href="#">femtoG</a> is a Spin-off from ETH Zürich and has the support (investor / co-founder) of the British SME Cambustion Ltd..</p>	
SUCCESS STORIES	
<p>We have customers for our analysis service that include producers of silica, battery materials, recovered Carbon Black and tire manufacturers. This is proof that this new type of particle analysis provides value to industries. We are currently developing a new instrument to push the detection limit to 100µm with the goal of online monitoring spray drying processes. The focus is on a fast analysis of the particle size, density and shape factor.</p>	
WHAT ARE YOU LOOKING FOR AT THE TRADE FAIR	
<p>At the ECS we are trying to get in contact with particle/powder producers that are active in research and development of new products. Further, we are looking for strategic partners to fund the development of our new particle analyzer.</p>	