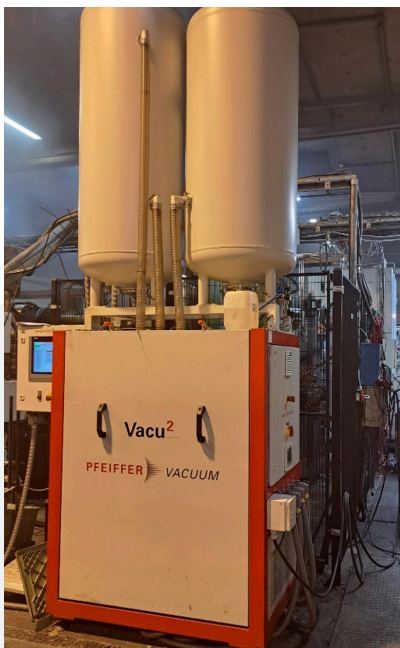


# Pfeiffer Vacuum GmbH in development with Comptech AB

*When producing parts with high requirements high quality vacuum is needed why Comptech and Pfeiffer Vacuum have worked in development projects since several years. The outcome of the projects are several important findings that now are implemented in the design of production processes for customer foundries.*



*“When casting parts with demanding requirements it is important to work not only on the Rheocasting parameters but also to focus on vacuum and other processes. We are happy to work with Pfeiffer Vacuum whose valuable know-how has shortened our development process considerably.”*

**Dr. Per Jansson, CEO, Comptech Rheocasting AB**

*“We are very pleased about this close and future-oriented cooperation with Comptech, because we are seeing more and more applications with high requirements (mechanical properties, leak tightness, thin-walled parts etc.) that can be met by combining Rheocasting from Comptech with the Multi-Stage Vacuum Process VACU2 from Pfeiffer Vacuum.”*

**Andreas Würz, Product Manager Pumping Systems, Pfeiffer Vacuum GmbH**

## About Rheocasting

Rheocasting is a semi solid process that delivers melt with a high solid fraction at a low cost. The process is in roll out and is used on three continents with a growing number of installations. Typical components made with the process are leak free components, heat sinks and other thermal management parts, high strength T6 treated components and structural thin wall parts of large sizes.

## About Multi-Stage Vacuum Process VACU2

With the Multi-Stage Vacuum Process VACU2, the shot sleeve and mold cavity are evacuated in two stages. During the first stage, the air is extracted directly from the shot sleeve or from the runner via a wide cross-section line. This enables the desired pressure to be quickly achieved in the shot sleeve and mold. In the second evacuation stage, the air is extracted directly from the mold. Since the desired pressure has already been achieved in the first stage, the second stage only serves to maintain the pressure by pumping down air that leaks into the mold.



## About Comptech Rheocasting AB

Comptech develops, produces, and delivers equipment and know-how to the foundry industry and supports designers as OEM's. R&D is a vital role and together with leading R&D institutes we develop alloys with high requirements and alloys with very low CO2 footprint. Comptech AB is working on three continents.

## About Pfeiffer Vacuum GmbH

Pfeiffer Vacuum is one of the world's leading providers of vacuum solutions. In addition to a full range of hybrid and magnetically levitated turbopumps, the product portfolio comprises backing pumps, leak detectors, measurement and analysis devices, vacuum components as well as vacuum chambers and systems.

Ever since the invention of the turbopump by Pfeiffer Vacuum, the company has stood for innovative solutions and high-tech products in the analytical, industrial, research & development, semiconductor and future technologies markets. Founded in 1890, Pfeiffer Vacuum is active throughout the world today. The company employs a workforce of some 4,000 people and has more than 23 sales and service companies as well as 10 manufacturing sites worldwide.



[www.comptech.se](http://www.comptech.se)



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