



Rescue Turbinen-Service

The specialist turbine workshop

Uwe Kannapin is an officially certificated »Techniker Maschinentechnik« (FS) [machine technology engineer], and the idea for this business occurred to him several years ago while he was working in the MTU Maintenance / Turbine Repair department at Hanover Langenhagen airport. »Surely I can provide the same service for model aviation clients as I'm providing here for clients in full-size aviation«, he thought. As general interest in turbine flying steadily expanded, and as more and more suppliers of model turbines crowded into the marketplace, Uwe's project became more and more likely to succeed.

By the time he set up his firm, Uwe could call upon more than thirty years of experience as an active model flyer, together with several years of practical work in the homebuilding of turbines. With this level of expertise, his idea quickly turned into reality. In 2003 Uwe founded the Rescue-Turbinen-Service / UK praezi TEC company at Bomlitz near Walsrode in the Lueneburg heath.

To the best of my knowledge this is the first and only company in Europe which concentrates on the servicing, maintenance and repair of jet turbines and shaft turbines of all makes, and offers this as a service to customers.

Evidence enough of his customers' faith in the company's competence and expertise is the full authorisation Uwe has gained from Jakadowsky JetEngines to act as general workshop for the PJ-W series of shaft turbines, and his authorisation as specialist workshop by Frank-Turbinen, Simjet, Behotec and – as of this year – Artes Jet. He is also an approved supplier of components made by Orbit electronic, GRW, Festo and ProJet.

The company's machine shop is equipped with the following machinery: modern machine tools for metal turning and milling; high-precision ultra-fine dynamic balancing

machines from Schenk-Ro Tec; ultra-fine WIG welding apparatus; manufacturer-specific electronic test equipment and assembly tools; special jigs for maintaining various turbines.

Company philosophy

Uwe believes that customer satisfaction is only possible if a high standard of quality is maintained throughout his services. He maintains very close collaboration with turbine manufacturers in Europe and overseas. Careful tightening of the maintenance procedures has reduced throughput times to a minimum, and allows the company to keep to strict deadlines. Uwe is constantly striving to improve the procedures he carries out, and offers his work at reasonable, modeller-friendly prices even though the underlying costs are generally high. He refuses to carry out temporary or make-shift work which could incur a loss of operational safety or reliability of the turbine, to the detriment of safety at the flying site. The company is also covered by a carefully tailored insurance policy, so the customer's interests are always protected.

Company services

Amongst these are: complete maintenance and repair of turbines of all thrust classes; turbine cleaning; bearing replacement; turbine conversion work to customers' wishes; preventative turbine repairs; major damage repairs; dynamic balancing service to DIN / EN / ISO 1940; replacement parts supply; carrying out work for customers to their own drawings; ultra-fine WIG welding work to customers' specifications; production of trailing-axle undercarriages; supply of turbine equipment such as Festo components, GRW ultra-precision ballraces, fuel hoses and PJ-W turbine oil.

Uwe's clients include jet model flyers from all over Europe, but pilots from Bermuda and Madagascar also have their place in the card index. He also performs work for the Braun-



schweig DLR, the Stuttgart Institute for Aviation Engines and for turbine manufacturers and associated company branches.

Uwe Kannapin has managed to detect a gap in the market, and has built up and expanded his company with considerable determination. His success to date shows that his confidence was justified. His competence and expertise enable him to offer a range of valuable services to the turbine operator. Anyone who deals with these precision power plants as he does is obliged to satisfy stringent customer demands in terms of operational security, service and price.

At Uwe's premises I was soon convinced that Rescue-Turbinen-Service fulfils these requirements, and the company can even boast that it is structured in accordance with the quality management system defined under DIN EN ISO 9001 : 2000. According to Uwe Kannapin, the company plans to gain full certification in the new future.

Hermann Wieking

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