

TECHNALYSIS®

Engineering Software and Services

Business

- complement enhance client engineering capabilities in product design and manufacturing process development

Products and Services

- problem solving: product design and process development
- licensed software
- custom software development

Expertise

- fluid dynamics and heat transfer
- noise, vibration, stress and electromagnetics
- material processing: glass, ceramics, plastics, metals, chemicals, food and pharmaceuticals

Application Areas

Product Design

- engine components
- cooling systems
- fuel systems
- brakes and clutches
- turbines and compressors
- torque converters
- pumps and valves
- fans and blowers
- HVAC
- electric motors and generators
- emission control
- household appliances
- medical devices
- computer printers
- power tools

Process Development

- casting (sand, die casting, lostfoam)
- injection and compression molding
- forming, filling, cooling, molding and extrusion (plastic, metal, glass)
- filtration and chromatography
- mixing
- agitation
- fermentation and reaction
- drying
- filling and packaging
- clean room and barrier design
- heating, cooling and transport problems
- powder flows
- flow in magnetic fields
- plastic coating
- glass processing

