

Public funding possible



German Plastics Center
Product Quality · Training · Research · Certification



Manufacturing Consulting

deutsche **demea**
materialeffizienzagentur



Financial support by the Federal Ministry of Economics and Technology

The industrial consulting for SMEs is subsidized by the "programme for profitable improvement of material efficiency" implemented by the German Agency for Material Efficiency (demea).

Initial consultation

The first 15.000,- € is subsidized with 67 %.
A further 15.000,- € is subsidized with 50 %.

Consolidation consultation

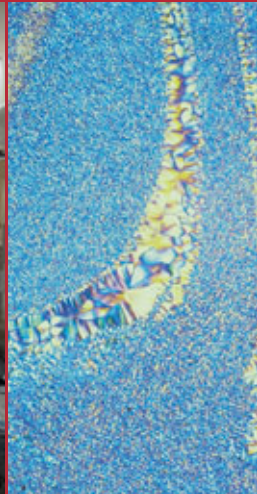
Funding is provided at a rate of 33 %.
Initial and consolidation consultation can be subsidized up to a total volume of 100.000,- €.

SKZ - "THE ADDRESS" when it comes to plastics.

As the largest plastics institute in Germany we offer practical solutions - tailored exactly to your requirements. For the past 50 years now we have seen ourselves as a partner to the plastics industry providing extensive system expertise: By means of **Testing and Quality Assurance** we support your product policy, supplying you with valuable arguments for your key markets. With more than 10,000 participants each year, we are the market leader for **Training and the Transfer of Knowledge** in the field of plastics. Our **Research** division bets on the development and improvement of production technologies in line the market requirements. With the **Certification of Management Systems** we offer you the best prerequisite for efficiency and economic success.

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We help you to recognise and realise rationalisation potentials

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Industrial Consulting

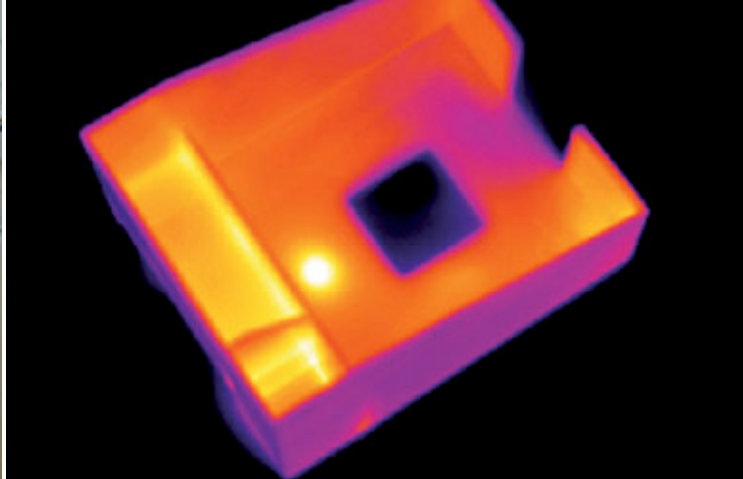
www.skz.de



Mobile Service vehicle



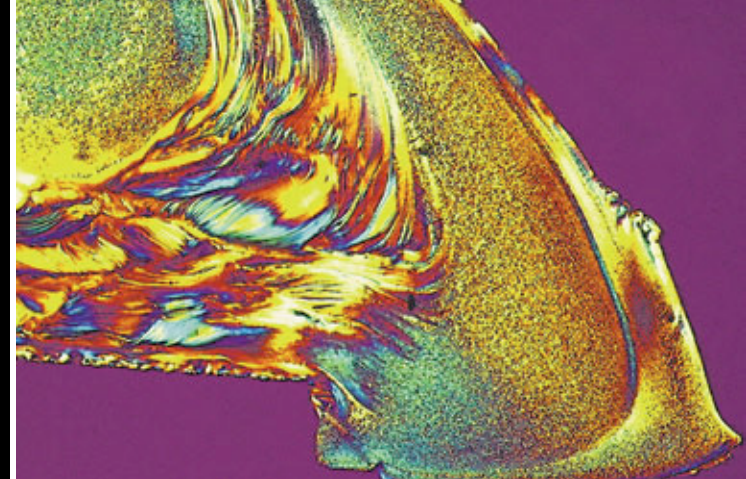
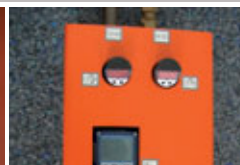
On the left: Mobile Service vehicle - on the right: leak due to incorrect pipe insertion



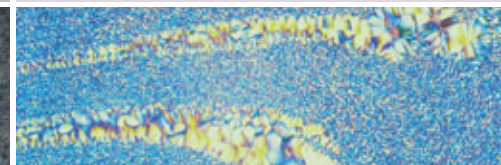
Thermographic image



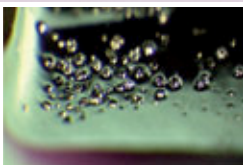
On the left: thermographic imager - on the right: flow meter



10 µm microtome section in polarized transmitted light with inhomogeneous structure



On the left: 10 µm microtome section in polarized transmitted light with different spherulite structures - on the right: cratering in galvanized surface



Production consulting

Industrial and process analyses performed at the client's location show rationalisation potentials which can be realised within a short time and help increase productivity and quality enormously.

Operational sequence

The operational sequence takes place according to the material flow in the company, from the granulate to the finished part. This analysis on site takes about 1-2 days.

Mobile Service vehicle

For the industrial consulting there is an excellently equipped Mobile Service vehicle available - not only for urgent cases.

After the process analysis on site, the experienced SKZ specialists on board incorporate possibilities for optimization directly into the production process.

Equipment of the Mobile Service vehicle

Modular equipment, compiled optimally to match the individual case, including e.g.

Thermographic imager

for detecting of heat accumulations in devices in production and during mould proving

Microscope and microtome

for analysis / assessment of the moulded parts on site

Flow meter

for monitoring cooling circuits on the injection moulding tool for determining the energy consumption

Moisture measuring device

for testing material pre-drying

Reagents kit

for testing the water quality

Further services in production consulting

- optimization of processes (e.g. reducing moulding cycle, improving moulding quality)
- process analyses
- mould proving
- optimization of moulding tool maintenance
- preparation of material specifications
- preparation of moulding tool specifications
- analyses of set-up time
- moulded part tests
- in-house training