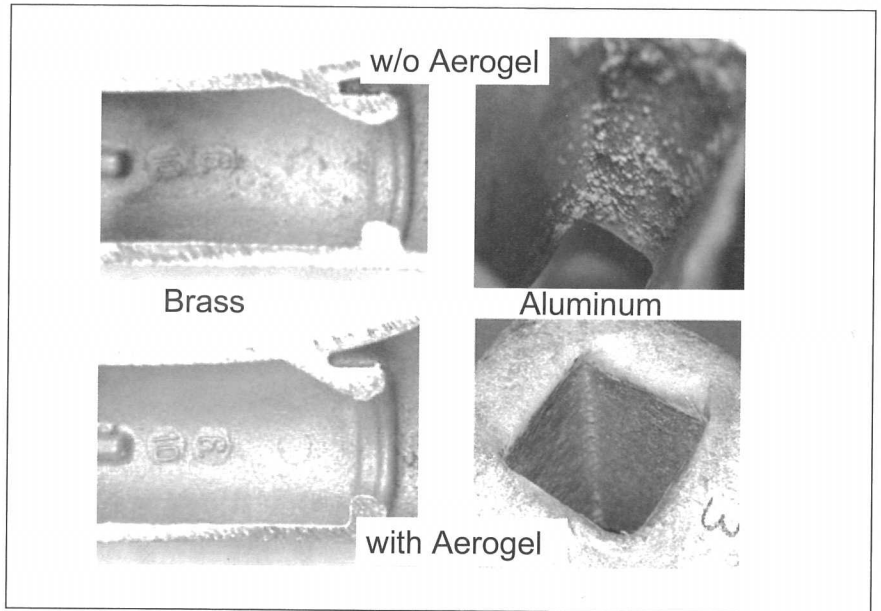


Aerogels for foundry applications

Since many years aerogels are especially developed for foundry applications at the German Aerospace Center (DLR) in Cologne/Germany. The newest developments are AeroAdditives – nanostructured aerogels in granular form. The addition of 0.5 up to 5 vol.-% of AeroAdditives to any common sand-binder system leads without any further changes to enormous improvements of the cast part quality by unchanged quality of the sand cores. The positive effects are caused by an enhanced gas permeability of the sand cores and an extremely high absorption potential for casting gases by aerogels. Smooth surfaces with reduced roughness are pointed out. AeroAdditives open possibilities of cast part design which will give new impulses.

Hall 12/Stand G 23
www.dlr.de/mp

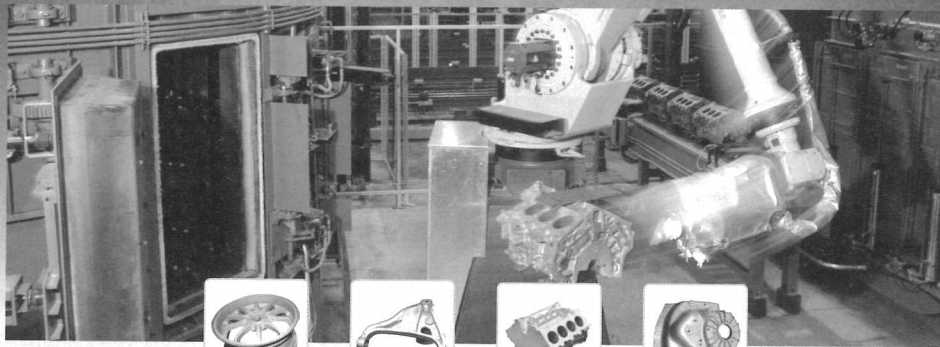


Obvious improvement of casting parts quality by the use of AeroAdditives. Above: Brass and aluminium castings without Aerogel, below: Castings with Aerogel (Photo: DLR)



INDUSTRY LEADERS

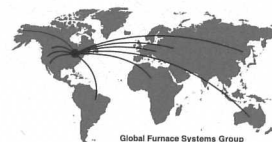
Basketless Heat Treating System (BH^TS[®]) for the processing of aluminum intensive automotive components.



SIMPLY...NO BASKETS REQUIRED.

- Reduce energy consumption by 40%
- Reduce floor space requirements by 30%
- Reduce cycle times
- Reduce material handling and maintenance costs
- Reduce capital costs

Visit Can-Eng at GIFA, June 28-July 2, 2011
 Stand 10J47 to learn more.



T. 905.356.1327 | F: 905.356.1817 | www.can-eng.com
 P.O. Box 235, Niagara Falls, New York | 14302-0235