



Registration Form for WFC Scientific Committee

Personal Info.

Name: Huizong Song

Title: Professor

Affiliation: Suzhou Xingye Materials Technology Co., Ltd.



Research Interest

Foundry coating

Molding materials and technology

Main Achievements (<200 words)

1. Established a new theory of acidity and alkalinity, and the acidity or alkalinity of various oxides and silicates were calculated. It provides a quantifiable evaluation of the acid-base property for coating refractory fillers and a theoretical basis for the composition design and selection of foundry coatings, and enriches the basic theory and data of foundry coatings.
2. Developed an online coating quality control system, i.e. CPS-2000 Intelligent Coating Preparation System.
3. ZL911 0 2155.8, China Invention Patent, "Self-set Transferable Coating Process", the first inventor.
4. Studied on hot-wetting property of die coat and non-occupying coating, raised a new parameter, i.e. the hot-wetting angle for the first time to represent the hot wetting ability more accurately, intuitively and comparably.
5. Developed a series of high performance coatings for windmill castings, alloy steel turbo housing and cylinder blocks and heads.
6. Developed a series of zircon-free coatings for alloy steel and large steel castings with very successful application;
7. Developed a series of powdery coating and pushed them into the market, successfully used in automotive foundries, as well as in jobbing iron foundries.