

Science Bridges China Research Profile

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Position: Professor

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SUMMARY OF MY RELEVANT RESEARCH AREAS:

Micro injection moulding: the design and the manufacture of the micro parts; the design and improve of the micro injection machine; the design of precise moulding;

Precise Extrusion; the control of the precise extrusion; the design and the manufacture of extrusion moulding;

精密注塑: 聚合物微小器件的设计、加工；微型注塑机的设计和改进；注塑模具的设计和加工；

精密挤出: 精密挤出机器、精密挤出模具的设计和加工

Primary Research interests:

A fuller description of your main research areas.

Professor zhangyajun got the doctor degree from Chiba University of Japan. And after worked in Aoyama Gakuinn university of Japan for a few years, he returned to China and joined in the Beijing Chemical University (BUCT) in 2008. Now, he is a professor of College of mechanical and electrical engineering of BUCT.

His interest includes polymer micro fabrication and mechanical control. The polymer micro fabrication includes the design of the micro parts, the micro moulding design and the fabrication of the micro parts with micro injection and extrusion.

Topics in which you would like to develop collaborative research:

Micro injection moulding and Precise extrusion

Relevant existing collaborations (academic/clinical/commercial) inside or outside China.

Include here any relevant collaborations you have

..Relevant graphics, figures, pictures:

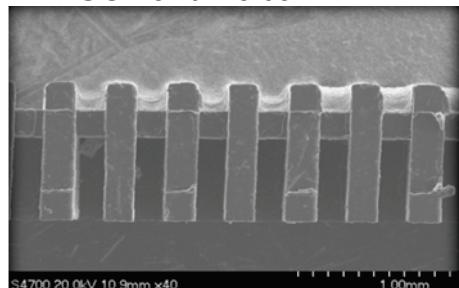
Use this area to show pictures or scientific figures which illustrate your research



Alliance of polymer micro fabrication in China



BUCT and Haitian



SEM of Micro connector



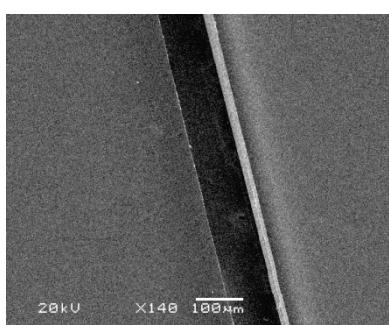
BUCT and Ijin company of HongKang



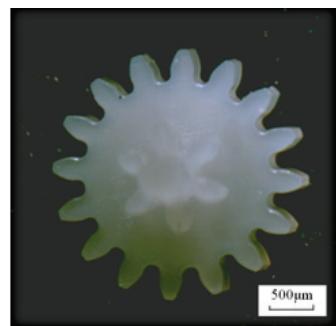
Metal micro needles



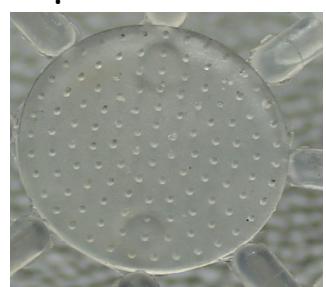
Micro moulding of micro needles



Micro moulding



Micro gear



Polymer micro needles