

Characterization of Nano Structures

JSM-7401F

Field Emission Scanning Electron Microscope

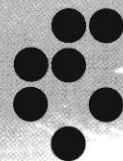
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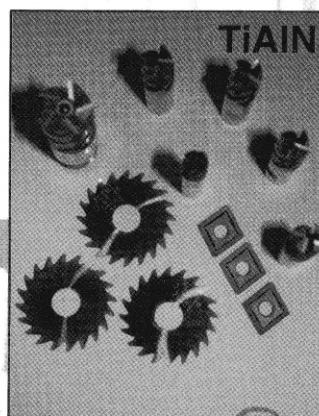
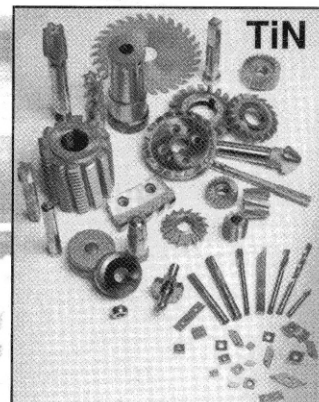
Institut "Jožef Stefan"

Ljubljanska 80/I, 1230 Domžale

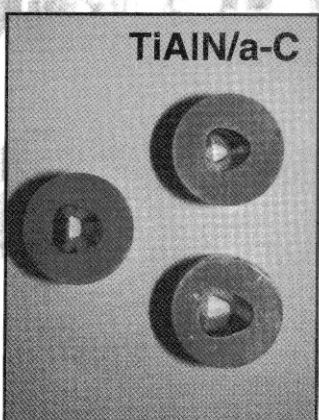
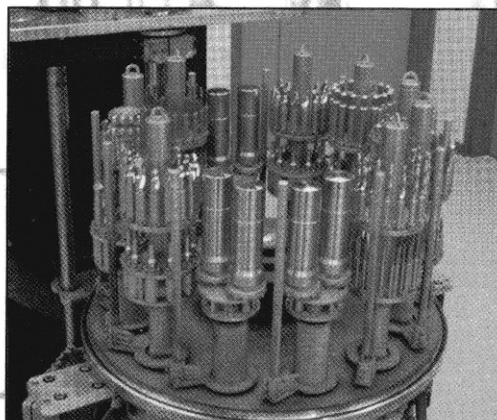
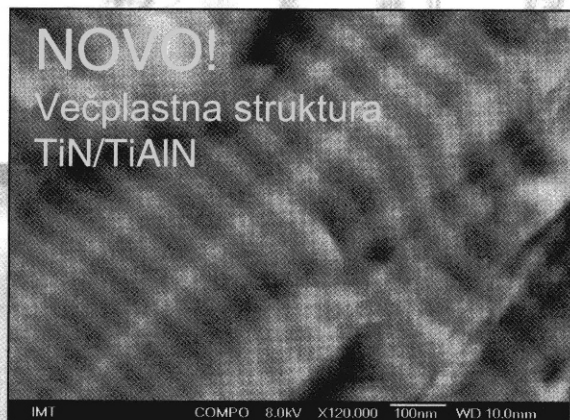
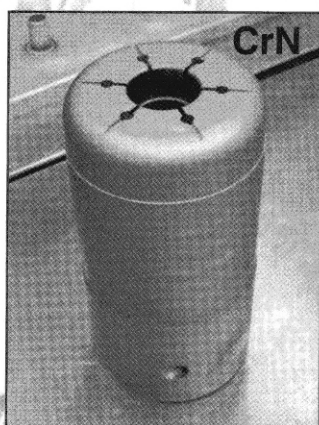


1985–2005

Letos praznujemo 20-letnico Centra



V **Centru za trde prevleke** na Institutu "Jožef Stefan" se že 20 let ukvarjamo z nanašanjem PVD trdih zaščitnih prevlek na rezalna orodja, orodja za hladno in toplo preoblikovanje, ploščice iz karbidne trdine in druga orodja. V Centru imamo dve profesionalni Balzersovi napravi BAI 730 za nanos prevlek **TiN** in **CrN** pri temperaturi 450 °C. V novi CemeConovi napravi CC800 nanašamo poleg **TiN** in **CrN** tudi večkomponentne (**TiAlN**) in večplastne prevleke (npr. **TiN/TiAlN**) ter tanke plasti trdih maziv (npr. **a-C**). Največja dimenzija orodij in strojnih delov, ki jih lahko prekrijemo, je 400 mm v premeru in 400 mm v višino.



Dodatne informacije:

<http://www.ijs.si/ijs/f3/ijs-dept-f3.html-l2>

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