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traceology for polishing process control - euspen - polynomial in the mountainsmap software [4]. a morphological filter was applied for a morphological filter was applied for profile and image analysis in matlab [5] in order to detect the scratch patterns. **title: surface morphology of titanium nitride thin films ...** - 138 s, tefan t, alu ~ et al. energy, surface free energy, surface diffusivity and atom mobility; the influence of each factor depends on the processing conditions [12].

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conductive microfluidic interconnects to enable scalable ... - depth profile maps were imported into digital surf mountainsmap premium 7.2, where various analysis tools can be accessed to carry out and extract various metrics for **digital surf - imaging-git** - digital surf 25 years experience designing software to meet your needs digital surf has been providing the industrial and scientific community with innovative surface imaging and metrology software for over 25 years. integrated by leading instrument manufacturers and with a worldwide installed base of 10,000+ users, mountainssoftware solutions have become an industry standard and the tool of ...

a step-by-step analysis of manual polishing sequences - surface analyses were made in mountainsmap premium 2; all analyses were based on measurements in the magnification of 100 (approx. measurement area: 800x600 µm).

piston ring topography variation and robust characterization - mountainsmap® premium 7.0 three profiles were extracted from areal measurements, the average value of ra, rz and rt parameters were compared, the robust gaussian filter and cut-off 800µm were used (iso **tribology of manufacturing processes - researchgate** - eric felder, pierre montmitonnet (editors) tribology of manufacturing processes volume 2 proceedings of the 4th international conference on tribology in manufacturing processes **crystal ° modification ° on ° lithium ° disilicate glass ...** - images analyzed with the software mountainsmap premium, (digital surf, france), using the next analysis sequence: single image reconstruction: to produce a 3d rendering of the sem image using an oblique low-angle lighting (shape from shading), assuming a homogeneous lighting through the whole image. ° motifs analysis: to evaluate the crystal size and number of crystals observed in the sem ... **journal of physics, conference series , 311(1) rebeggiani ...** - made in mountainsmap® premium squares plane and a form removing step (polynomial fitting of curvatures. surface parameters included in this paper are [sq - root-mean-square deviation of the sk ... **flattening mountains: micro1fabrication)and)bullet)lateral ...** - 4" " images" were" transferred" to" gwyddion"[18]"and" one dimensional" psdf were calculated" along" the directionperpendicular"tothe"striae."" the"analysis"allows ...

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