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FACULTY OF MEDICAL SCIENCES – DENTAL MEDICINE

Digital technology and techniques used in the fabrication of complete dentures

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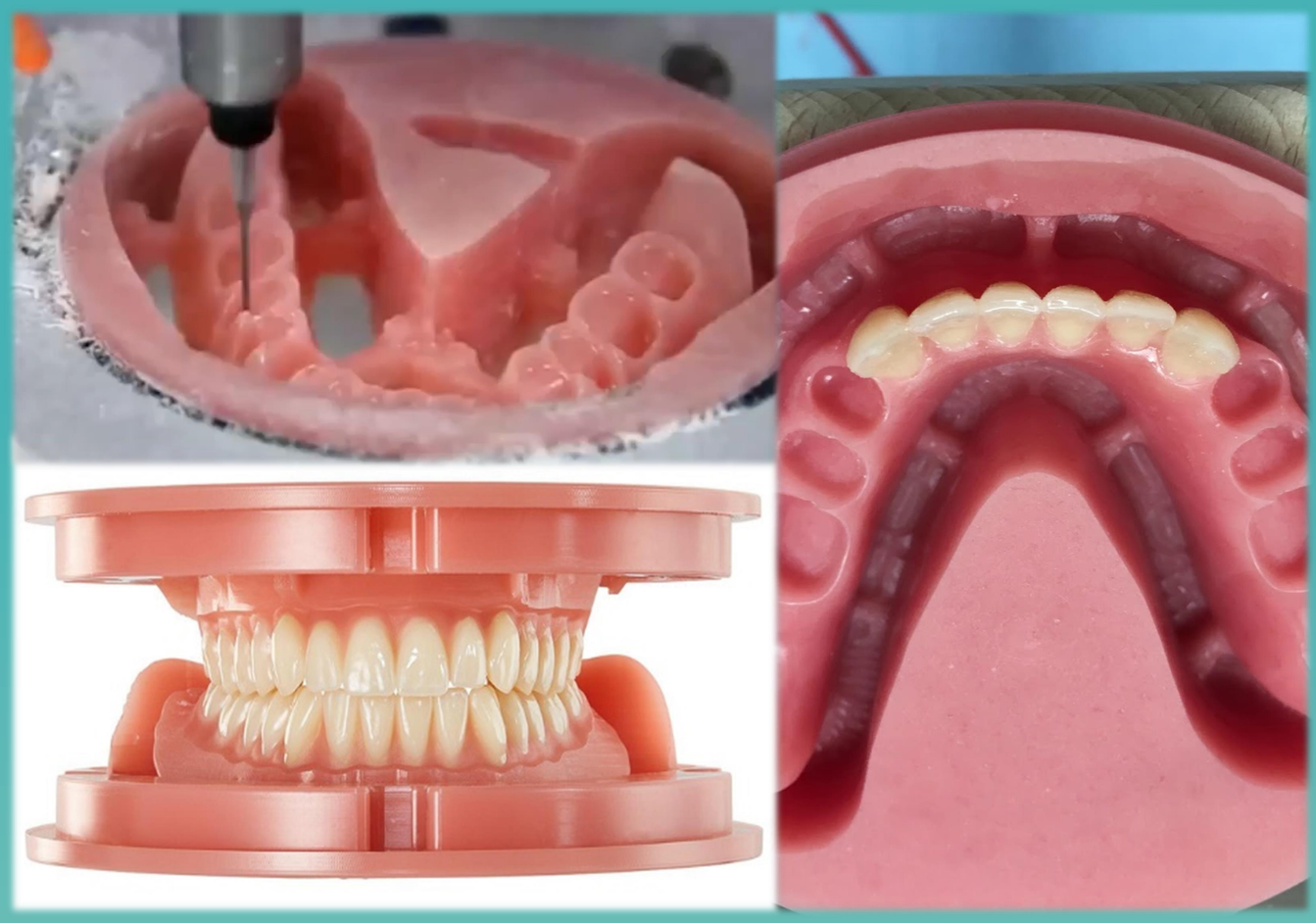
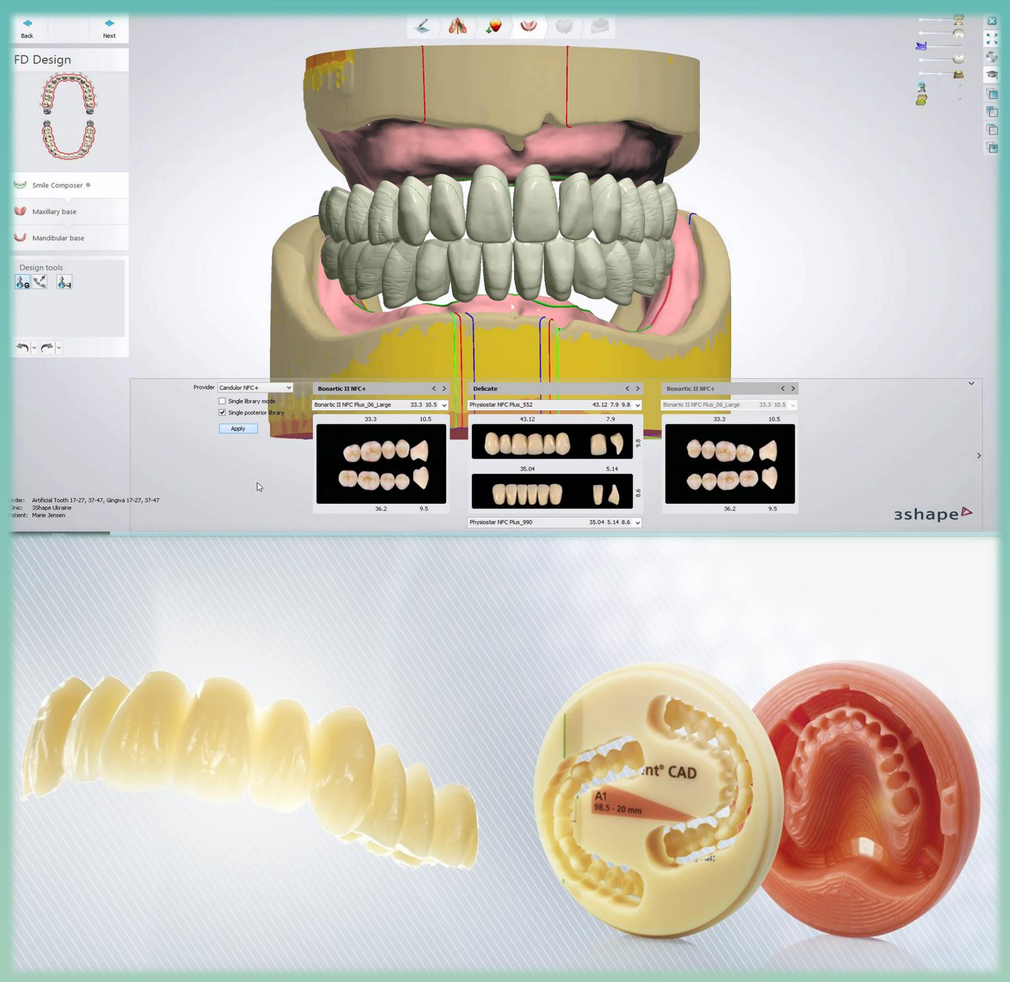
Digital denture is a complete manufacturing process for the rapid production of removable full-arch dentures. This innovative process integrates the treatment steps in the dental practice with the digital manufacturing processes in the lab. Exclusive design software and ideally coordinated materials, combined with well-designed manufacturing strategies and milling equipment platform, provide predictable and reproducible results.





The material for digitally produced, are tooth coloured discs made from acrylic material, which are suitable for the individual design and production of whole tooth segment. The long-lasting dental restorations are individually customized to integrate with patients natural antagonist teeth

Base material are PMMA discs for the production of denture bases. The shade concept matches that of denture base material. The PMMA material is distinguished by its high impact quality. This enhances the fracture strength and increases the longevity of the restoration. In addition, the industrial manufacturing process ensures homogeneous material quality.

With digital denture, the new digital manufacturing process for dentures, you save valuable time compared to manual production methods: less manual working steps, less interruptions in production, no complex plaster models and no articulating. As a result, porosities and air inclusions in the material can be avoided, which results in a high-quality denture base.