

Automated continuous process for manufacturing CAD/CAM - composite blocks



Efficient cost-effective overall process

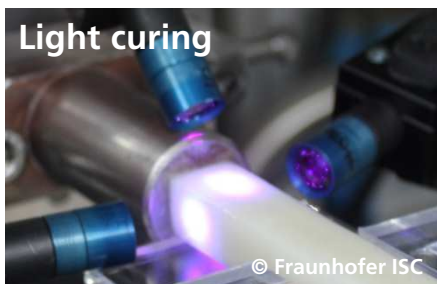
From manufacturing high-quality (nano-)hybrid composites **up to final blocks for CAD/CAM – production of** prosthetic restoration, e. g. crowns, bridges

Extrusion process



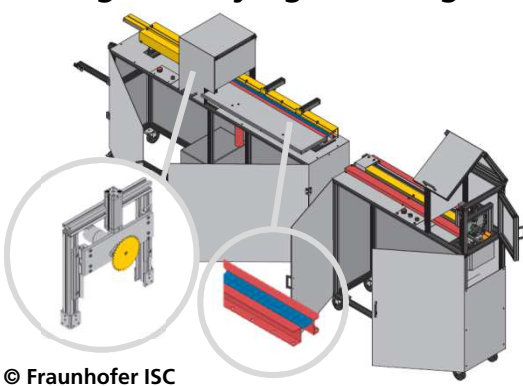
- **Bubble-free, homogenous composites with high filler contents**
⇒ Mechanics / aesthetics at a high level

Downstream processing



- **Shaping** via nozzle geometry
- **Pre-/final curing** of the composite strand at nozzle outlet

Curing, conveying + cutting



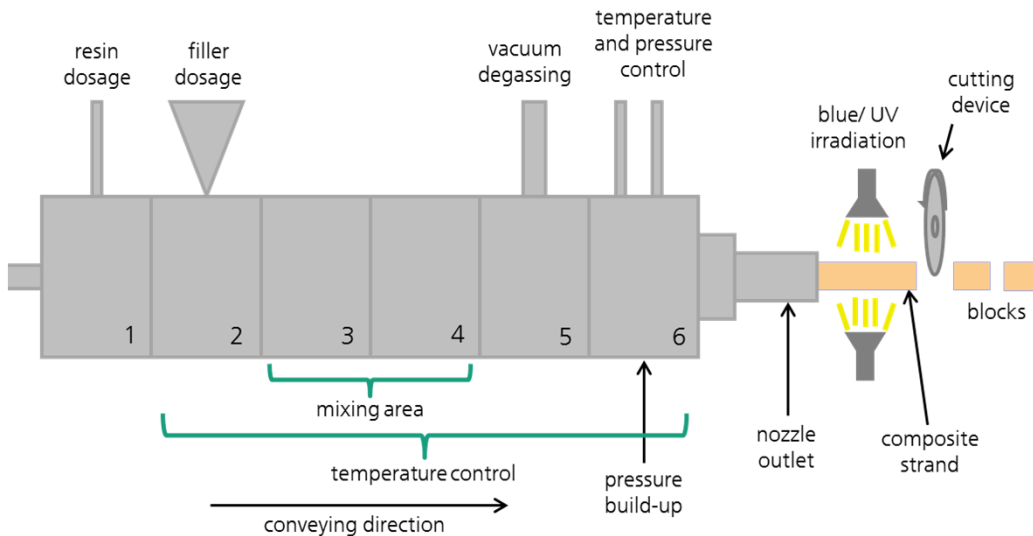
- Conveying unit for the continuous **transportation** from the nozzle to **single process stages**
- Pre-/final curing
- Cutting processes

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Extrusion process in detail



Manufacturing process with additional value

Extrusion in combination with downstream processing

- Automated continuous process
- High production throughput due to full automation
- Process extension on a multilayer system possible
- Manufacturing of homogenous, bubble-free composites
- Variable type of curing (thermal- and/or photo-initiated)



Efficient manufacturing of high-quality CAD/CAM - blocks

Our offer

Process also applicable to customer-specific material basis

- Further geometries possible
- For the filling of composites

... **Challenge us!**

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