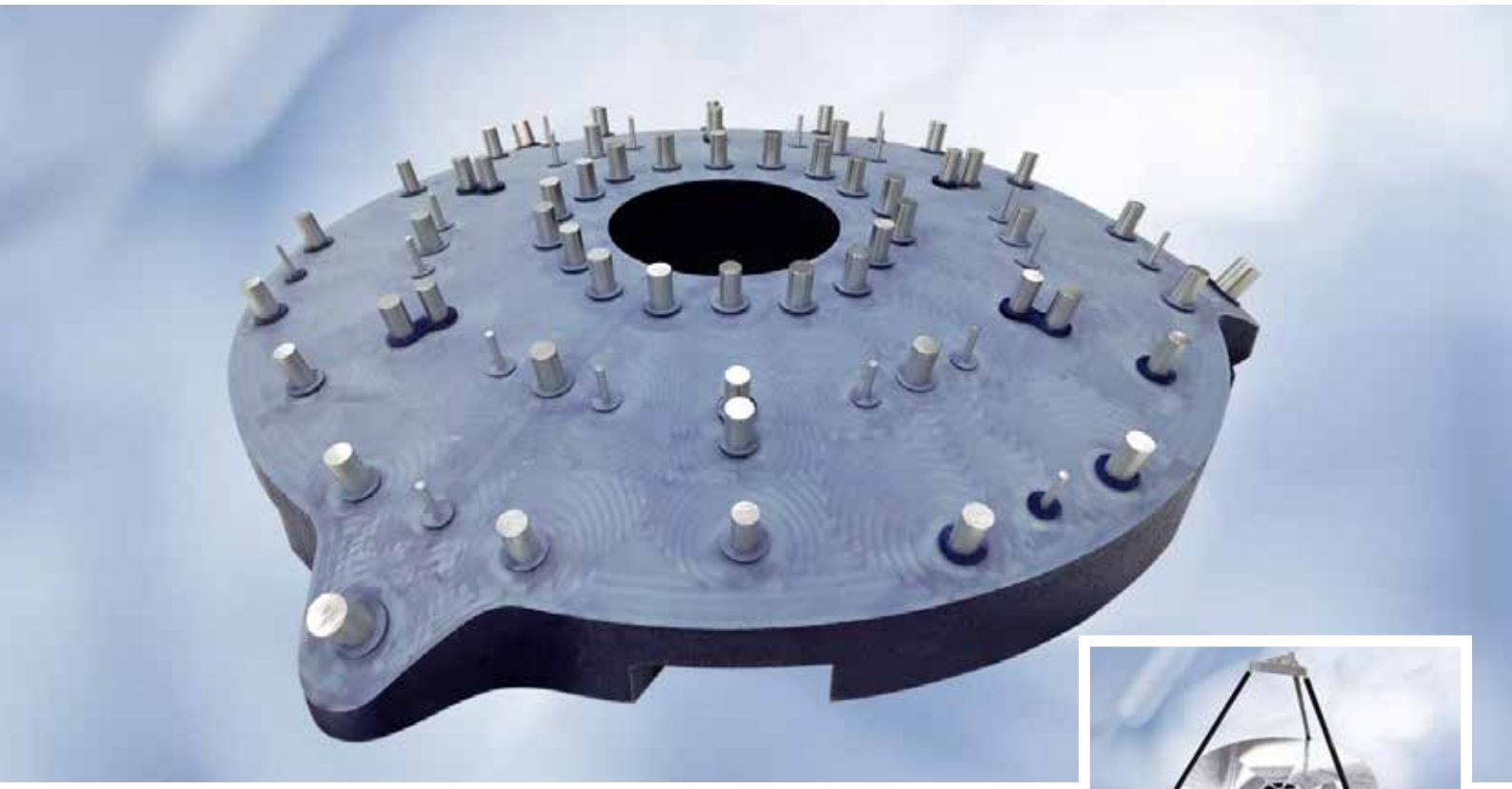
RAMPF
discover the future

Case Study: RAKU® TOOL CC-6503 Close Contour Casting

Production of positioning jig



Objective

Production of positioning jig for assembly of the backup structure of the TIM (Terahertz Intensity Mapper) telescope.

Production Process

1. Close Contour shape casting according to customer CAD data supplied by RAMPF Tooling Solutions.
2. Direct milling of positioning jig from RAKU® TOOL CC-6503 using CAM.
3. Preparation for production. Insertion of dowel pins.
4. Assembly, bonding and finishing of the CFRP backup structure.

RAKU® TOOL CC-6503

- Excellent dimensional stability
- Very dense structure
- Very fine and homogeneous surface
- Good milling characteristics

Key advantages

- High precision milling for high precision positioning
- Good dimensional stability over time
- Monolithic Casting and low thermal expansion

Customer

- GTM ADVANCED STRUCTURES, Netherlands

3-2-082EN. Errors excepted. Subject to change.

RAMPF Advanced Polymers GmbH & Co. KG

Robert-Bosch-Straße 8–10 I 72661 Grafenberg I Germany
T +49.7123.9342-0 I E advanced.polymers@rampf-group.com
www.rampf-group.com