SLA Applications in Engineering: Advancing from Prototyping to Production
Who we are

Jakob Dobberow

- Customer Care - Pro Services Europe
- Giving Onsite Trainings and Workshops in Berlin
- Previously: Reviews & Trainings of 3DP technologies at iGo3D
We make professional SLA technology accessible.

- low cost
- Industrial quality on the desktop
- Free software, updated regularly
- Wide materials availability
- Affordable price point

- high performance & detail
500+ people

4 offices
Boston, Berlin, Tokyo, Shenzhen

3 factories
USA, China, Hungary

150+ engineers and scientists
Many of the world's experts in 3D printing, materials science, SLA, and SLS

$1B Valuation and 50,000+ printers sold in 40+ countries
Form 3

Fuse 1

3D Printing Production

Form 3L

SLA Materials

Form Wash + Form Cure
SLA Material Library

**DENTAL RESINS**
- Dental SG
- Model
- LT Clear
- Denture

**ENGINEERING RESINS**
- Tough
- Durable
- Flexible
- High Temp
- Grey Pro
- Rigid
- Elastic

**JEWELRY AND CERAMIC RESINS**
- Castable
- Castable Wax
- Ceramic

**STANDARD RESINS**
- Black
- Grey
- White
- Clear
- Color
- Draft
Applications

Product Design / Prototyping

Jewelry

Dentistry

Architecture

Rapid manufacturing

Art & Entertainment
The path to production

- Rapid prototyping
- Jigs and Fixtures
- Small scale production
- Mass customization
AMRC 3D printed 500 protective caps in two days to prevent cross-contamination during drilling trials for Airbus.
High Precision Jigs and Fixtures - Durable Resin

**AMRC** 3D printed grippers that have both the stiffness and flexibility required to reliably move carbon fiber plies.
High Precision Jigs and Fixtures - Standard and Engineering Resins

Ashley Furniture printed over 700 parts on their factory floor, to boost efficiency from assembly to fabrication.
High Precision Jigs and Fixtures - Tough Resin

By 3D printing custom jigs with the Form 2, Pankl reduced production costs by 80-90%, and lead time by 90%
Formlabs Collaborative R&D Program

Discovery
- Machines
- Training
- Workshop

Project
- Material
- Application
- Demo
- Study

Collaboration
R&D effort to bring an opportunity to market readiness

Implementation
Consulting and services to implement technology
Thank you for your attention!

Jakob Dobberow
jakob@formlabs.com