



THE USE OF FUNCTIONAL PHOTOPOLYMERS IN INDUSTRIAL SERIES APPLICATION

LOCTITEAM.COM



WHO WE ARE



ADHESIVE TECHNOLOGIES



CONSUMER BUSINESSES - BEAUTY CARE | LAUNDRY & HOME CARE

LOCTITE

TECHNOMELT

BONDERITE

Schwarzkopf

Dial

syoss

Persil

all

Bref

OUR TECHNOLOGIES

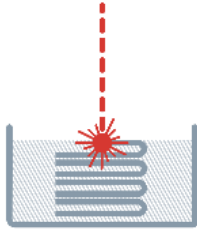
Thermoplastics

Polymer filament



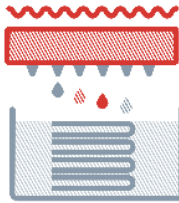
FFF
(Fused Filament
Fabrication)
Amorphous and
semi-crystalline
Thermoplastics

Laser



SLS
(Selective Laser
Sintering)
Semi-crystalline
Thermoplastics

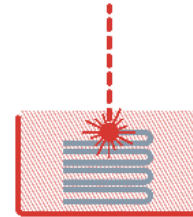
IR
Energy
Binding
agent



MJF
(Multi Jet Fusion)
Semi-crystalline
Thermoplastics

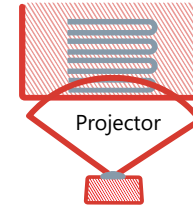
Thermosets

Laser



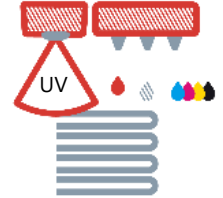
Photopolymer
SLA
(Stereolithography)
Thermosets

Photopolymer



DLP
(Digital Light
Processing)
Thermosets

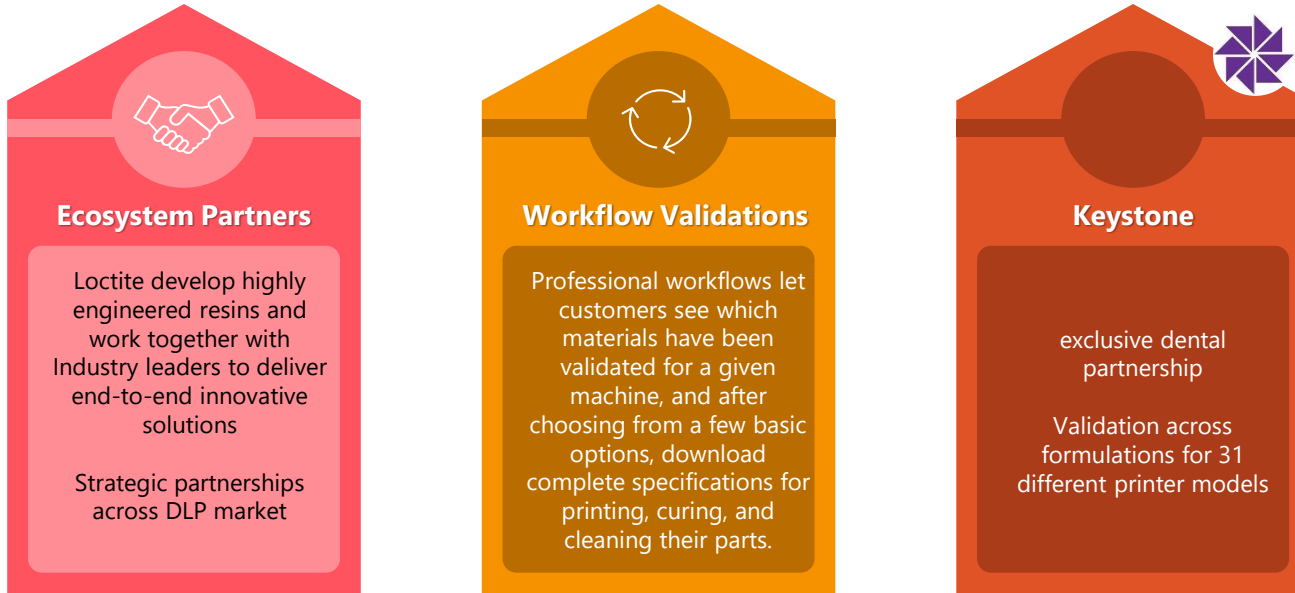
Photopolymer
(& ink)



MJ
(Material Jet)
Thermosets

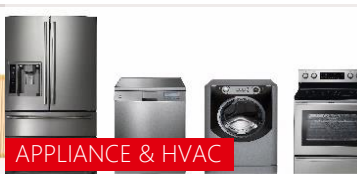
LOCTITE
Materials

AIB-HENKEL ADDITIVE MANUFACTURING



HENKEL INDUSTRIALS

Industries We Serve

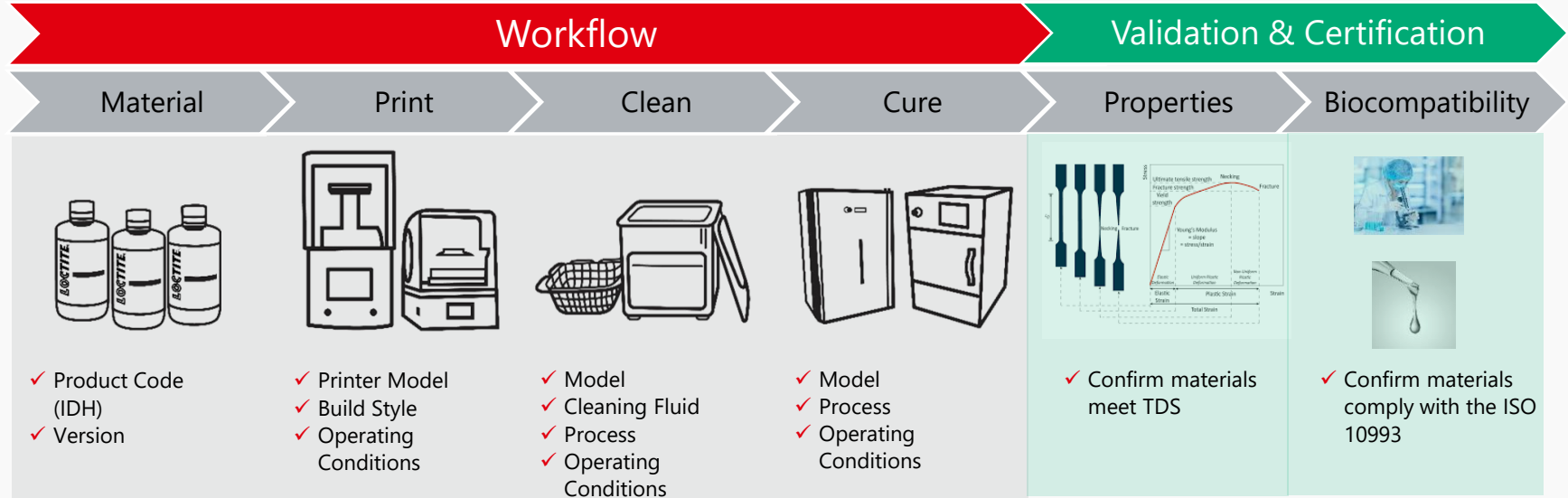


LOCTITE®
3D PRINTING



WHY IS DLP SPECIAL?

WORKFLOW VALIDATION PROCESS







➔ **Target:** Collecting Clean & Structured Data – Process covers up to 120 Parameters
 This process allows us to assure results meet our TDS

EXTENDED TESTING

Durability Tests

Applicable for commercialized and new products

UV Exposure 	Heat Aging 	Chemical Resistance 	Temperature 
ASTM D4329	ASTM D3045	ASTM D543	ASTM D638
Mech. Properties	Mech. Properties	Mech. Properties Mass change	Mech. Properties
6 weeks, Cycle A 1 week interval	6 weeks @50°C 1 week interval	7 Chemicals 24, 168 hours	Temperature Range -40°C to +100°C

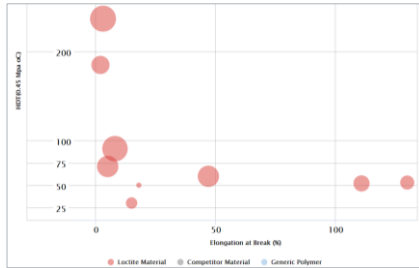
Coming next: PV1200, extended chemical aging, abrasion testing, elastomeric flex test

EXTERNAL COMMUNICATION

Our Website

Custom Features

LOCTITE® Product Selector page



Workflow Validation

Find Your Printer Settings

STEP ONE STEP TWO STEP THREE STEP FOUR STEP FIVE

Select Printer Select Material Select Color Select Cleaner Select Curing

Download

LOCTITE® Printer validation page

Origin One	Envisioner E1D	RapidShape 3D	Nova3D NX400	NewPro3D N1	Asiga MAX	Asiga PRO 1K
Validated Resins	Validated Resins	Pending Resins	Validated Resins	Pending Resins	Pending Resins	Pending Resins

TDS

LOCTITE 3D 3843™

HDT60 High Toughness Photoplastic
Matte Black, White, Clear, Gray

LOCTITE®
Henkel Corporation
www.loctiteusa.com

Press Releases

GENERA and Henkel collaborate on 3D Printing
May 4, 2021 Düsseldorf, Germany.

GENERA recently joined Henkel's Open 4 production scale. Both companies, world of solutions for automotive and healthcare and Henkel's innovative expertise in material science.

Phrozen Joins Henkel's Open 4
April 29, 2021 Düsseldorf, Germany.

Phrozen, a Taiwan-based LCD 3D Printing, combine Phrozen's mono-LCD technology, empower professionals, hobbyists, and...

Henkel 3D Printing Facility D Status
April 20, 2021 Düsseldorf, Germany.

Material Brochure

WE MAKE ADDITIVE MANUFACTURING HAPPEN

OUR 3D PRINTING MATERIAL SOLUTIONS

SDS

Available Documents

Adhesive Technologies Laundry & Home Care Bear

Case Studies

eCommerce

LOCTITE

Create an Account

Welcome to the Loctite® 3D Printing customer registration page. If you already have an account with us, please click login.

Please enter your information below so we can establish your customer profile. To be sure you don't miss out on our special offers, product updates and promotions, sign up for Loctite product information.

First Name Last Name

THANK YOU.

