

SimpliUV®

UV Curing System



Effortless

Simple operation.
Press start and go.



Efficient

Faster Curing.
More productivity.



Versatile

Works with a wide range
of applications.



SimpliUV®

UV Curing System



FAST

Cure cycles
as short as
two minutes



EASY

Select your
program and
press play



CONSISTENT

Programs uphold
mount quality
every cycle.

Mounting Made Simple with SimpliUV UV Curing System



Buehler's latest UV-curing mounting system, combines advanced technology with deep application expertise to deliver fast, consistent, and high quality results. With fully programmable controls and an optimized resin system, sample preparation is streamlined while providing the flexibility needed for various applications.

- **SimpliUV** empowers users to easily adjust wavelength, power, exposure time, irradiation area, and intervals to meet the needs of various applications.
- **UVKwick** is a one-component resin in an easy pour bottle. No mixing or stirring is required. This reduces preparation time and operator variability.
- **UVKup** molds enable curing cycles as short as 2 minutes, improving throughput and productivity.
- Curing temperatures between 80-160 °C, depending on process conditions, allow mounting of your heat-sensitive materials without compromising mount quality.
- Low viscosity improves infiltration into fine cracks and porous structures.
- With a cured hardness exceeding 80 Shore D **UVKwick**, delivers excellent edge retention for reliable, high-quality metallographic preparation.
- High level clarity increases visibility of target sample features.

Effortless

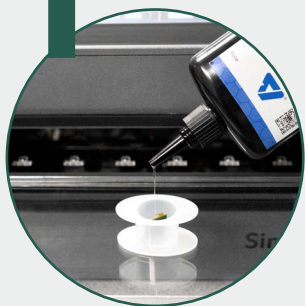
Designed for Effortless Operation



Buehler's SimpliUV system is engineered to simplify every step of the mounting process, enabling users to achieve consistent, high-quality results without unnecessary complexity—no mixing or stirring required. Designed as a complete solution, SimpliUV, UVKwick, and UVKups work seamlessly together to create a simple and reliable mounting workflow.

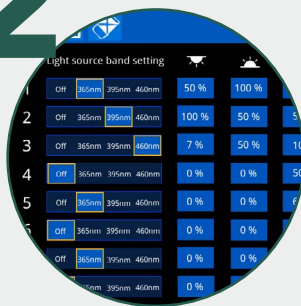
Simply place your sample into the UVKups, pour the UVKwick resin into the mold, and select your program on the SimpliUV. In just three easy steps **place, pour, and program** your samples are cured and ready for preparation, minimizing effort while maximizing consistency.

1 Pour



Place your sample into a **UVKup®** mold and fill using **UVKwick®** resin.

2 Program



Select a program to cure the resin.

3 Cure



Start the curing cycle and produce samples ready for your next step.

Efficient

Maximize Time and Resources

Beyond fast curing ability, SimpliUV enhances efficiency by minimizing waste and removing time-consuming steps. Its streamlined process lowers material consumption and reduces unnecessary rework, helping labs operate more cost-effectively. The intuitive design reduces training requirements, making it easy for both new and experienced users to adopt and operate with confidence. With improved turnaround times and optimized workflows, SimpliUV empowers teams to focus on analysis rather than preparation.



Faster

- Cycles as short as 2 min
- Reduced prep time
- Higher throughput



Simpler

- Single component resin
- No mixing
- Minimal training



More Productive

- More samples processed per shift
- Optimized workflow



Cost Effective

- Reduced material waste
- Lower consumption
- Fewer remounts

Traditional Mounting Workflow



Gather



Mix



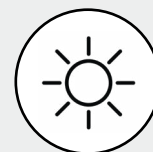
Measure



Stir



Pour



Cure

VS.

SimpliUV Workflow



Pour



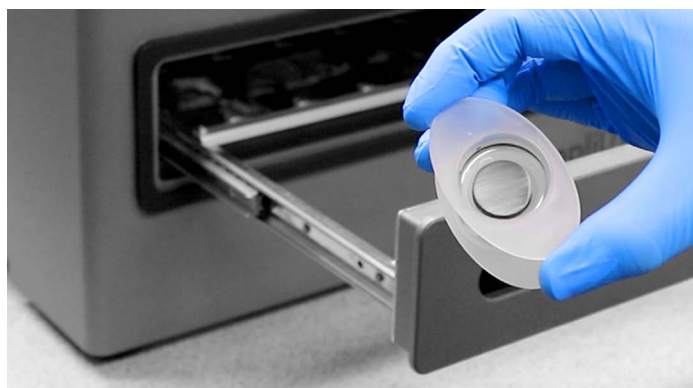
Program



Cure

Less Steps. Better Results.

Simplify your process, save time and focus on what matters most - *your analysis*



Versatile



Programmable Control

Adjust parameters to meet all application needs with up to 9 customizable programs



Increased Throughput

Supports multiple sample sizes and simultaneous curing of up to 20 mounted samples*.

* dependent on mold/sample size

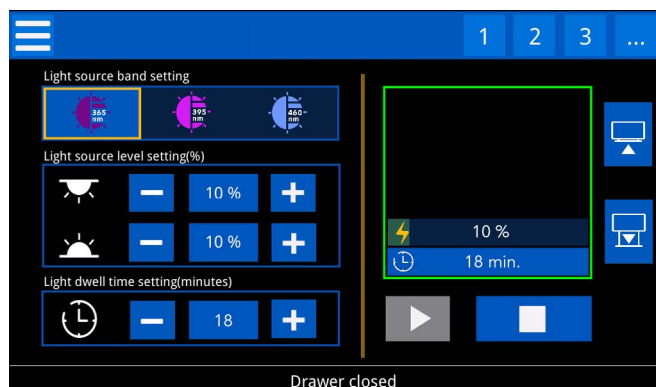


Uniform Illumination

LED array technology delivers repeatable curing regardless of sample placement in the drawer.

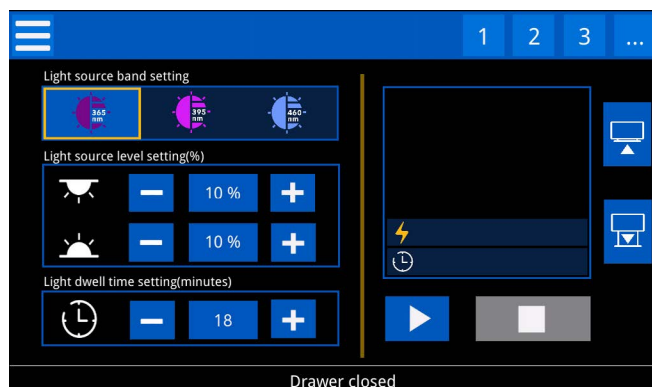


Intuitive Touchscreen. Endless Control.



Active Process Monitoring

Monitor cycle status, power output, and remaining cure time in real time.



Method Setup

Adjust wavelength, exposure time, and light intensity with intuitive controls.



Custom Programs

Adjust parameter to meet your needs.



Automated Ease

Reduce spills when mounting with an automated drawer.



Adjustable Exposure

Control time and light settings to adjust curing temperature.

Ordering Information

Get Started

SimpliUV

UV Curing System

Part Number:
201800UV



Cure cycles as short as two minutes



Single-component resin
No Mixing. No mess.



Automated Ease
Reduce spills with our automated drawer



Application Versatility
Use multi-step programs to suite the needs of various applications



Accessories and Consumables



UVKwick®

UV Curing Mounting Resin

Reliable, single component resin with excellent viscosity and edge retention

Part Number	Description
201810040	UVKwick Resin 400g
201810400	UVKwick Resin 4kg



UVKup®

Durable, Reusable Molds

High quality molds in a variety of sizes for maximum versatility

Part Number	Description
201820025	UVKup Mold Ø25mm
201820030	UVKup Mold Ø30mm
201820040	UVKup Mold Ø40mm
201820050	UVKup Mold Ø50mm
201820100	UVKup Mold Ø1in
201820125	UVKup Mold Ø1.25in
201820150	UVKup Mold Ø1.5in
201820200	UVKup Mold Ø2in

Technical Specifications

Wavelength	365nm, 395nm, 460nm
LED Life	>10,000 hours
Programs	Up to 9 custom programs
Chamber Capacity	Up to 20 mounted samples*

Power Supply	100-240 VAC, 50/60 Hz
Dimensions	450mm L x 330mm D x 250mm H (17.7 in L x 13 in D x 9.8 in H)
Weight	62.8lbs (28.5 kg)



BUEHLER



Worldwide Locations

Solutions for Materials Preparation, Testing and Analysis

BUEHLER Worldwide Headquarters

BUEHLER North and South America

41 Waukegan Road, Lake Bluff, Illinois 60044

P: +1 847 295 6500 | 800 BUEHLER (800 283 4537)

W: www.buehler.com | **E:** info@buehler.com
shop.buehler.com

European Headquarters

BUEHLER Germany - Leinfelden-Echterdingen

ITW Test & Measurement GmbH

P: +49 (0) 711 4904690-0

W: www.buehler-met.de | **E:** info.eu@buehler.com
www.metallographie.biz

BUEHLER France - Dardilly

P: +33 (0) 800 89 73 71

W: www.buehler.fr | **E:** info.eu@buehler.com
www.metallographie.fr

BUEHLER United Kingdom - Coventry

P: +44 (0) 800 707 6273

W: www.buehler.co.uk | **E:** info.eu@buehler.com
www.metallography.biz

Asia Headquarters

BUEHLER China - Shanghai

ITW Test & Measurement (Shanghai) Co., Ltd.

Asia Headquarters

P: +86 400 111 8683

W: www.buehler.cn | **E:** info.cn@buehler.com

BUEHLER Japan

P: +81 03 5439 5077

W: www.buehler.jp | **E:** info.japan@buehler.com