



[www.anatol.com](http://www.anatol.com)

# COMET SERIES

## Flash cure units



## COMET LIGHT

 **The speed and efficiency of quartz flash curing in our most affordable package**

- Fast heat-up time (70% power is reached after 0.5 seconds)
- High concentration of IR energy in a small curing area
- Low energy consumption
- Integrates with touchscreen interface on Anatol automatic presses
- Cures ink quickly due to deep penetration of short waves of infrared radiation

COMET LIGHT SIZE	NUMBER OF LAMPS	NUMBER OF CURING ZONES	HEAT FLUX DENSITY	ELECTRICAL REQUIREMENTS*
16"x 18" 46.0x96.9cm (52.3x96.9cm)**	9 Lamps	2 zones (Zone I -6 lamps, Zone II – 3 lamps)	4.47 W/cm <sup>2</sup> (28.87 W/in <sup>2</sup> )	1 Ph, 208-240V, 50/60 Hz, 9kW, 43.3A 3 Ph, 208V, 28.9A
20"x 24" 58.0x110.4cm (64.3x110.4cm)**	10 Lamps	2 zones (Zone I -6 lamps, Zone II – 4 lamps)	3.8 W/cm <sup>2</sup> (24.53 W/in <sup>2</sup> )	1 Ph, 208-240V, 50/60 Hz, 12.5kW, 60.1A 3 Ph, 208V, 42A
20"x 28" 58.0x120.0cm (64.3x120.0cm)**	15 Lamps	3 zones (Zone I -5 lamps, Zone II – 5 lamps, Zone III – 5 lamps)	4.9 W/cm <sup>2</sup> (31.61 W/in <sup>2</sup> )	1 Ph, 208-240V, 50/60 Hz, 18.75kW, 90A 3 Ph, 208V, 60A

\* The maximum power consumption is calculated for all lamps operating at maximum power

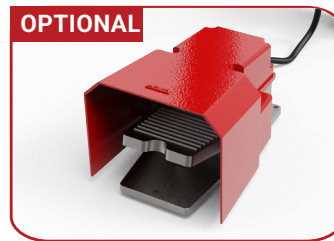
\*\* The dimensions in parentheses mean are the dimensions with the Timer Box included

**COMET LIGHT connects easily to Anatol automatic presses and is controlled by the Aries operating system.**



### TIMER BOX

- Digital timer
- Adjustable curing power
- Pallet sensor for automatic activation/deactivation
- Socket for foot pedal



FOOT PEDAL TO TIMER BOX ALLOWS YOU TO ACTIVATE THE FLASH MANUALLY

**TO USE THE FLASH ON AN ANATOL AUTOMATIC PRESS:**

✓ **It's ready to go, out of the box.**

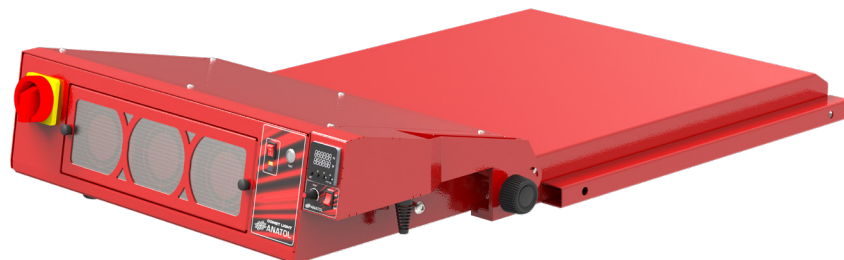
**Just connect the included communication cable from the flash to your Anatol automatic press, and you can control the flash from the touchscreen of the press.**

**TO USE THE FLASH ON A MANUAL PRESS OR OTHER MANUFACTURER'S PRESS:**

 **You must purchase the optional TIMER BOX to add onboard controls over flash power and time.**



Comet series flash cure units can be ordered with rails to fit the screen holders of an Anatol automatic press, so you can mount the flash directly in the print head instead of using it on a stand.



## COMET PRO

 **A universal flash cure solution for manual and automatic presses**

- Quartz lamps heat up and cool down quickly
- Multiple curing zones - two or three zones depending on the size of the flash
- Optional foot pedal for manual activation
- The pallet sensor detects a shirt under the flash, activating/deactivating it automatically. This ensures the lamps operate only when needed, saving energy compared to always-on infrared flashes

COMET PRO SIZE	NUMBER OF LAMPS	NUMBER OF CURING ZONES	HEAT FLUX DENSITY	ELECTRICAL REQUIREMENTS*
16"x 18" 46.0x96.9cm	9 Lamps	2 zones (Zone I -6 lamps, Zone II - 3 lamps)	4.47 W/cm <sup>2</sup> (28.87 W/in <sup>2</sup> )	1 Ph, 208-240V, 50/60 Hz, 9kW, 40A 3 Ph, 208V, 23A
20"x 24" 58.0x110.4cm	10 Lamps	2 zones (Zone I -6 lamps, Zone II - 4 lamps)	3.8 W/cm <sup>2</sup> (24.53 W/in <sup>2</sup> )	1 Ph, 208-240V, 50/60 Hz, 12.5kW, 55A 3 Ph, 208V, 32A
20"x 28" 58.0x120.0cm	15 Lamps	3 zones (Zone I -5 lamps, Zone II - 5 lamps, Zone III - 5 lamps)	4.9 W/cm <sup>2</sup> (31.61 W/in <sup>2</sup> )	1 Ph, 208-240V, 50/60 Hz, 18.75kW, 82A 3 Ph, 208V, 47A

\* The maximum power consumption is calculated for all lamps operating at maximum power

**COMET PRO is designed to work with Anatol manual and automatic presses, as well as other manufacturers' presses.**



### CONVENIENT OPERATION

Easily set your curing time with the digital controller

Adjustable curing power

Select the active curing zones

Enable/disable the pallet sensor



FOOT PEDAL TO TIMER BOX ALLOWS YOU TO  
ACTIVATE THE FLASH MANUALLY

**TO USE THE FLASH ON AN ANATOL AUTOMATIC PRESS:**

✓ **It's ready to go, out of the box**


Just connect the included communication cable from the flash to your Anatol automatic press, and you can control the flash from the touchscreen of the press.

**TO USE THE FLASH ON A MANUAL PRESS OR OTHER MANUFACTURER'S PRESS:**

✋ **It's ready to go, out of the box. Use the built-in onboard controls over flash power and time. No additional components needed.**



## COMET SMART

 **Precise programmable temperature control for more consistent flash curing**

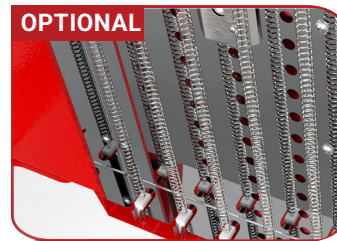
- Built-in temperature sensor allows you set a desired curing temperature
- Two or three curing zones, which can be controlled independently or in combination

COMET SMART SIZE	NUMBER OF LAMPS	NUMBER OF CURING ZONES	HEAT FLUX DENSITY	ELECTRICAL REQUIREMENTS*
16"x 18" 46.0x96.9cm (52.3x96.9cm)**	9 Lamps	2 zones (Zone I -6 lamps, Zone II – 3 lamps)	4.47 W/cm <sup>2</sup> (28.87 W/in <sup>2</sup> )	1 Ph, 208-240V, 50/60 Hz, 9kW, 40A 3 Ph, 208V, 23A
20"x 24" 58.0x110.4cm (64.3x110.4cm)**	10 Lamps	2 zones (Zone I -6 lamps, Zone II – 4 lamps)	3.8 W/cm <sup>2</sup> (24.53 W/in <sup>2</sup> )	1 Ph, 208-240V, 50/60 Hz, 12.5kW, 55A 3 Ph, 208V, 32A
20"x 28" 58.0x120.0cm (64.3x120.0cm)**	15 Lamps	3 zones (Zone I -5 lamps, Zone II – 5 lamps, Zone III – 5 lamps)	4.9 W/cm <sup>2</sup> (31.61 W/in <sup>2</sup> )	1 Ph, 208-240V, 50/60 Hz, 18.75kW, 82A 3 Ph, 208V, 47A

\* The maximum power consumption is calculated for all lamps operating at maximum power

\*\* The dimensions in parentheses mean are the dimensions with the Smart Box included

**COMET SMART works with Anatol automatic presses or other presses using the optional Smart Box.**



### TEMPERATURE SENSOR

Program a precise curing temperature and the flash will heat up to and maintain the temperature for your desired period of time



For use with a manual press or other manufacturers' presses

- Enter your desired curing time
- Set your curing temperature
- Select the active curing zones
- Save/load settings



FOOT PEDAL TO TIMER BOX ALLOWS YOU TO ACTIVATE THE FLASH MANUALLY

**TO USE THE FLASH ON AN ANATOL AUTOMATIC PRESS:**

✓ **It's ready to go, out of the box.**

**Just connect the included communication cable from the flash to your Anatol automatic press, and you can control the flash from the touchscreen of the press.**

**TO USE THE FLASH ON A MANUAL PRESS OR OTHER MANUFACTURER'S PRESS:**

 **You must purchase the optional Smart Box to add onboard controls over flash time and temperature.**



To use the Comet Smart on a manual press, you must add the optional Smart Box for onboard control via a user-friendly touchscreen.

You can also add a foot pedal for hands-free manual control.

For use with an Anatol automatic press, the Comet Smart can be ordered with rails to mount in the screen holders, rather than on a floor stand.



## COMET PRIME

 **A premium solution for effectively curing a wide range of inks and substrates**

- Quartz flash with air circulation and a temperature sensor, designed for curing delicate, heat-sensitive garments such as nylon
- Uniform air circulation cures many types of ink quickly and efficiently and prevents garments from scorching
- Three curing zones can be controlled independently or in combination
- Precise control over your curing intensity, temperature, air circulation and active heating zones, right from the control panel of your Anatol automatic press or the onboard touchscreen

COMET PRIME SIZE	NUMBER OF LAMPS	NUMBER OF CURING ZONES	HEAT FLUX DENSITY	ELECTRICAL REQUIREMENTS*
16"x 18" 46.0x96.9cm	12 Lamps	3 zones (Zone I – 4 lamps, Zone II – 4 lamps, Zone III – 4 lamps)	4.47 W/cm <sup>2</sup> (28.87 W/in <sup>2</sup> )	1 Ph, 208-240V, 50/60 Hz, 12.3kW, 53A 3 Ph, 208V, 35A
20"x 28" 58.0x110.4cm	18 Lamps	3 zones (Zone I – 6 lamps, Zone II – 6 lamps, Zone III – 6 lamps)	4.9 W/cm <sup>2</sup> (31.61 W/in <sup>2</sup> )	1 Ph, 208-240V, 50/60 Hz, 22.8kW, 100A 3 Ph, 208V, 60A

\* The maximum power consumption is calculated for all lamps operating at maximum power

**COMET PRIME, with a built-in forced air system, efficiently cures delicate, heat-sensitive materials like nylon.**



### TEMPERATURE SENSOR

Program a precise curing temperature and the flash will heat up to and maintain the temperature for your desired period of time



### TOUCHSCREEN CONTROLS

Temperature  
Curing time  
Active zones  
Air circulation  
Save/load programs



FOOT PEDAL TO TIMER BOX ALLOWS YOU TO ACTIVATE THE FLASH MANUALLY

## COMET FLASH COMPATIBILITY

Will it work with your press?

	TO USE THE FLASH ON AN ANATOL AUTOMATIC PRESS:	TO USE THE FLASH ON A MANUAL PRESS OR OTHER MANUFACTURER'S PRESS:
COMET LIGHT	<p>✓ It's ready to go, out of the box.</p> <p>Just connect the included communication cable from the flash to your Anatol automatic press, and you can control the flash from the touchscreen of the press.</p>	<p>🚫 You must purchase the optional <b>Timer Box</b> to add onboard controls over flash power and time.</p>
COMET PRO		<p>✓ It's ready to go, out of the box.</p> <p>Use the built-in onboard controls over flash power and time. No additional components needed.</p>
COMET SMART		<p>🚫 You must purchase the optional <b>Smart Box</b> to add onboard controls over flash time and temperature.</p>

**COMET LIGHT** connects easily to Anatol automatic presses and is controlled by the Aries operating system. Add the optional **Timer Box** for use on manual presses.

The digital controller or touchscreen should always look like it's powered on

**COMET PRO** is designed to work with Anatol manual and automatic presses, as well as other manufacturers' presses.

**COMET SMART** works with Anatol automatic presses or other presses using the optional **Smart Box**.

**COMET PRIME** with a built-in forced air system, efficiently cures delicate, heat-sensitive materials like nylon.