UV LED Curing Technology

A coating curing technology saving customers money with a positive impact in the environment.



2014



2019

Disadvantages Mercury lamp UV curing





Mercury is harmful to the environment

High Energy Consumption

Excessive Noise

Challenges

Formulate coating resins to optimize the UV LED

Adapt and support ever increasing draw

The Innovation

Covestro coatings for optical fibers took the lead and explored unchartered territories - and has developed an innovative new coating that can be LED cured.

Covestro coating formulations optimized for LED cure



UV light sources were developed to provide the required light wavelength.

LED light system is optimized to obtain required intensity on fiber.

The Benefits

-80%

Saving Energy cost

by replacing LED lights.

No warm up period

Creates a better workplace:

By reducing noise

By reducing heat as LED lights run at 60°C and microwave lamps run at 250°C

Reducing the carbon footprint

Cut down cost of maintenance

