UV LED Curing

EPIC Online Technology Meeting

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UV LED Curing in Manufacturing Processes

- Chemical crosslinking reaction initiated with UV energy
  - Strong polymer bonds with highly functional characteristics
  - Superior physical, mechanical, and aesthetically pleasing properties
- Viable with inks, coatings, and adhesives applied to
  - webs, sheets, and 3D parts
  - paper, film, foil, plastic, glass, metal, wood, ceramics, composites etc.
- Used to produce, decorate, and package disposable and durable industrial and consumer goods
- Enables environmentally friendly processes
  - 100% solids eliminates VOCs, HAPs, NOx, SOx, greenhouse gases
  - No energy and space consuming drying tunnels and after-burners
- UV LED curing highly controllable, reliable, and repeatable

GEW LeoLED Lamp Head

UV Curing Technologies…

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GEW UV LED Curing Systems and Markets

LED Lamp Heads, Power, Controls

- Commercial Printing
- Label Converting

Chillers for LH Cooling

- Packaging Converting
- Product Decoration

Configured LHs and Integration

- Coating, Converting, Finishing
- Other Industrial Applications

UV Curing Technologies…

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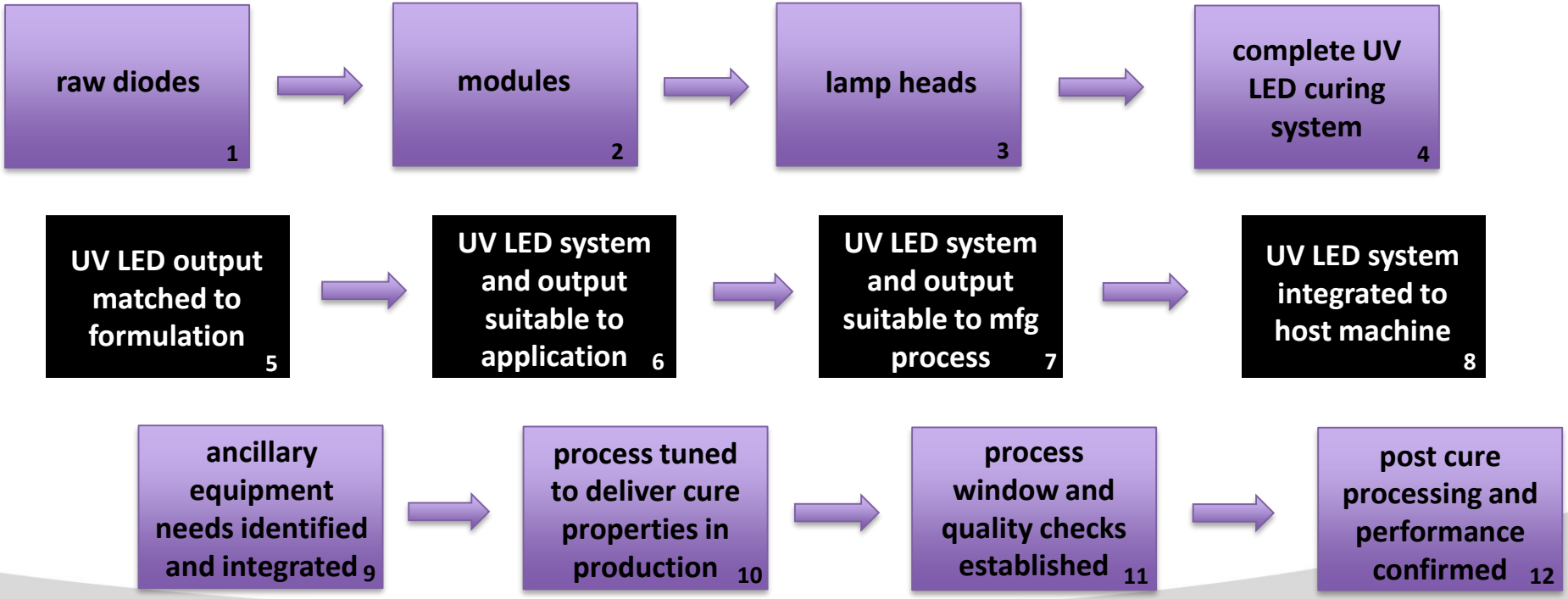
Advancing UV LED Technology and Adoption



UV LED Curing systems are production tools. Value is generated through integration and performance within larger manufacturing processes.

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Thank you! Questions?

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