

# nUVision



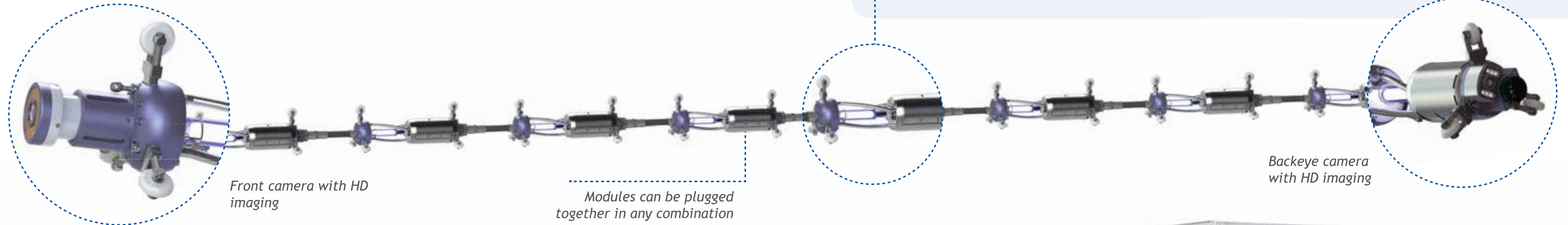
A new vision: UV light  
Curing even in extremely  
long pipelines of up to  
3,000' - now a reality!

**I.S.T.**  
creating.value



# nUVision

With the revolutionary „nUVision“ concept for light curing hose liners, I.S.T. is launching a patent-protected technology on the market.



## Revolutionary technology

- › Cable length up to 3,000 FT
- › Complete control of the curing process
- › Avoids the need for additional shafts/ openings
- › BUS controller
- › Up to 54 temperature values
- › Intensity monitoring of the UV lamps
- › Light chains with 2 to 18 emitters
- › 2 HD video signal recordings
- › Remote service

## The benefits at a glance:

- › Revolutionary ignition technology
- › Cable length can be extended up to 3,000 FT
- › Simultaneous video recording of front and backeye camera images in HD quality
- › No temperature problems with the cable or cable drum
- › Reduces control cabinet size by more than half
- › Seamlessly adjustable output of up to 2,000 watts per radiator
- › Optimal quality control of the curing process at any position in the liner
- › Individual modules of the light chain can be plugged together in any combination
- › BUS system for ongoing data transmission of all curing parameters

Each individual module has its own sensor technology

 **Bus Technology** inside



# User Interface



## Clear graphic representation of all the relevant measurement values:

- IR surface temperature in °C / °F
- Air temperature in the liner in °C / °F
- Intensity in milliwatts/cm<sup>2</sup>
- Output per emitter in watts
- Spark current per emitter in watts
- Spark current per emitter in amperes
- Burning voltage in volts
- System current in amperes
- System voltage in volts

# Unimagined possibilities!

## Our BUS system

- Internal pressure, IR surface measurement of the liner
- Ambient air measurement at each radiator
- Operating condition of each individual radiator, power, voltage and system temperature
- Continuous UV intensity measurement at each individual radiator
- Diverse representation of polymerization parameters / diagrams / temperature curves during operation
- Ongoing quality control
- Remote service for repairs or troubleshooting

Further information under  
**[www.ist-na.com](http://www.ist-na.com)**

