

presents

HANU™ 2X 5 Flow Reactor

Your Ultimate Toolbox for Scalable Photochemistry

Lab to Production Scale

5mL | 15mL | 150 mL

Extended T/p range Up to 150°C / 25 bar

> **Static Mixing Element** Configurations



Irradiation Sources

- Interchangeable LEDs
- Wavelength: 365 625 nm
- Tuneable light intensity
 - ATEX certification ready

Process Inlays & In/Outlet Ports



- Non-metallic
- Coated



SS 316L, HC276, Tigr2, E-Cu, PTFE, PEEK, SiC, etc.

Unique Features



Scalable UV & VIS Photochemistry



Long Residence Time Reactions



Demanding Multi-phase Reactions



Multi-Purpose Solution for cGMP Production

'open-shell' system, disassembly allows straight-forward

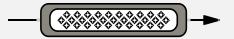


Non-invasive Inline Reaction Monitoring

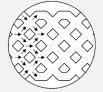


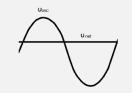
Visual Inspections

Working Principle: COSTA ™ Technology



Continuous processing in a linear plate flow reactor





- Oscillating flow regime
- **♦ STA**tic mixing elements located in process channel

Excellent process control







Temperature Control



Plug Flow Profile

Single-technology scale-up strategy



Assembled Unit Modularity



Linear Scalability



Multi-ton/year Production

HANU™ Flow Reactors

Your Ultimate Toolbox for Scalable Photochemistry



HANU™ PX 9



photoLABHANUã 2X5



photoLAB HANU™ 2X 15 (turnkey system)



HANU™ 2X 5



HANU™ 2X 15



HANU™ HX 150

Laboratory R&D

Process Development g/h - kg/d

Pilot & Production kg/h - multi-MT/y

For pricing information and sales orders: sales@creaflow.be

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