



# LE UV – Low Energy UV

IST METZ GmbH

- Inks that are more reactive offer greater energy-saving potential (“LED inks”)
- Why?  
There are no narrow-banded photoinitiators
- Therefore:  
High reactivity in the (entire) UVA range
- Doped UV lamps have output in the UVA range
- Use of one-lamp systems
- IST LE UV = Energy-saving potential



# IST Low Energy UV



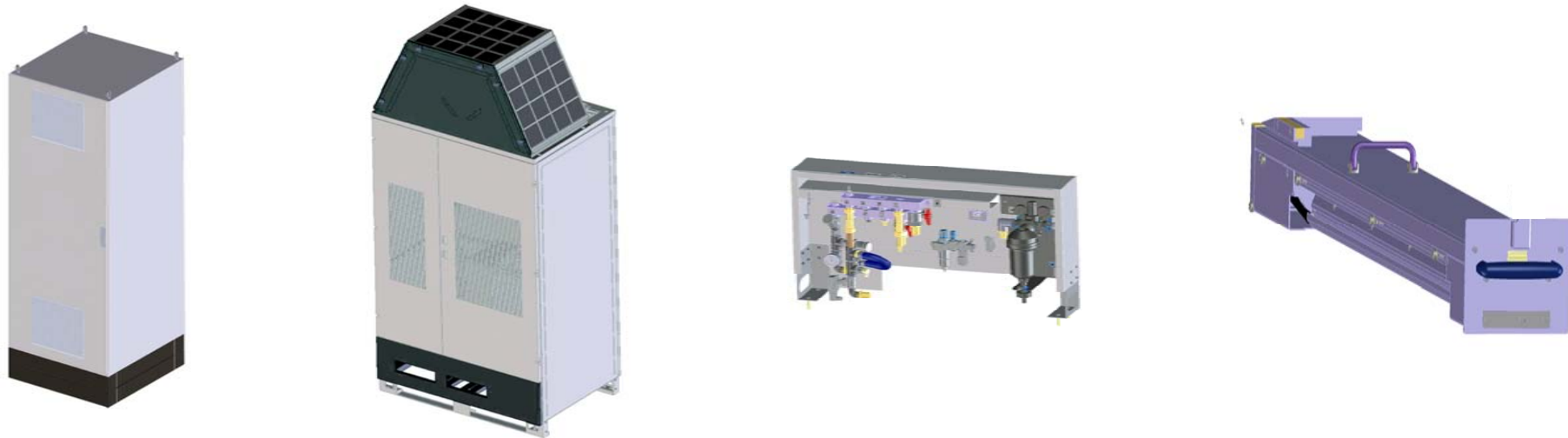
## APPLICATION

- Commercial printing (no packaging, no film printing)
- Prospectuses, brochures, flyers, cards, drawings, posters, invitations, forms
- Typical 4C process colours
- Standard ink densities



# Space requirement of components

- Control cabinet 0.48 m<sup>2</sup>
- Combination cabinet exhaust air/heat exchanger 0.72 m<sup>2</sup>
- Water distributor  
footboard Installed under
- UV unit Installed in machine
- TOTAL 1.2 m<sup>2</sup>





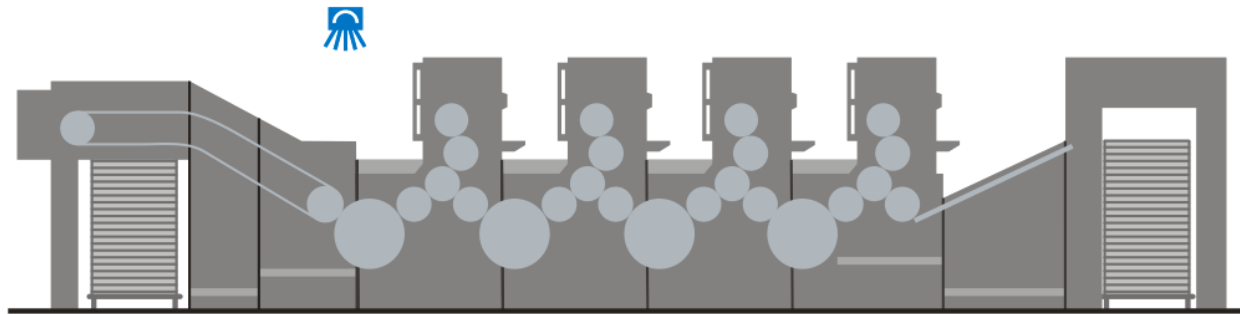
## ADVANTAGES

- Fast drying
- Immediate further processing
- No spray powder
- Immediate protection against abrasion
- No protective coating required
  
- Ozone-free lamp
- No coating unit necessary
- No delivery extension necessary
- = Lower investment costs for UV and machine

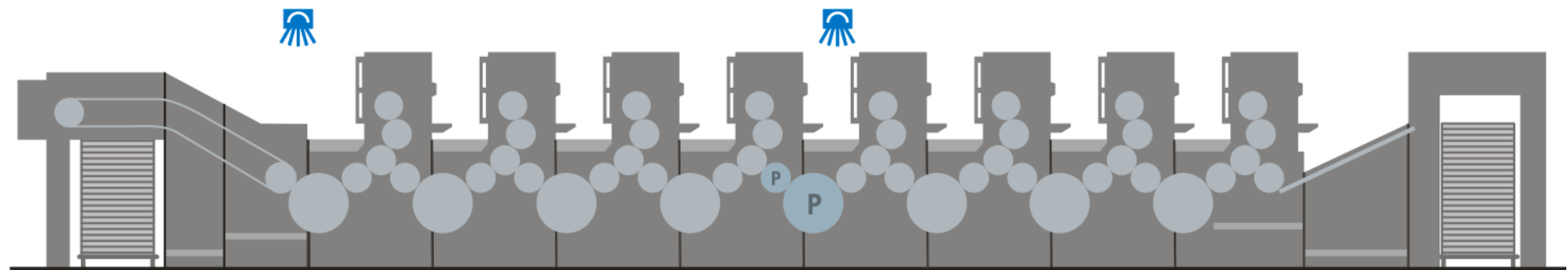


# Machine configuration

## IST Compact



## IST Compact Perfecting



# Machine demonstration

- 15.000 sh/h
- One-sided printing, approx. 1000 sheets
- Backside printing, approx. 200 sheets
- Cutting of approx. 200 one-sided sheets
- Production data displayed on screen
- Questions taken at end of demonstration

