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Labels & Flexible packaging

What is needed to make the step from labels to flexible packaging?

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Labels & Flexible packaging

PSL



IML – Shrink - WAL



Packaging



Labels & Flexible packaging

PSL



IML – Shrink - WAL



Packaging



Labels

Labels & Flexible packaging

PSL



- Secondary packaging
- No food contact
- Supported films

IML – Shrink - WAL



- Secondary packaging
- No food contact
- Unsupported films

Labels

Packaging



- Primary packaging
- Indirect food contact
- Unsupported films
- Laminates
- Endless printing

Labels & Flexible packaging

Challenges:

- Register
- Web tension
- Rewind tension
- Curing / Drying
- Heat
- Size
- Smell
- Special applications
 - Heat seal
 - Cold seal



Packaging



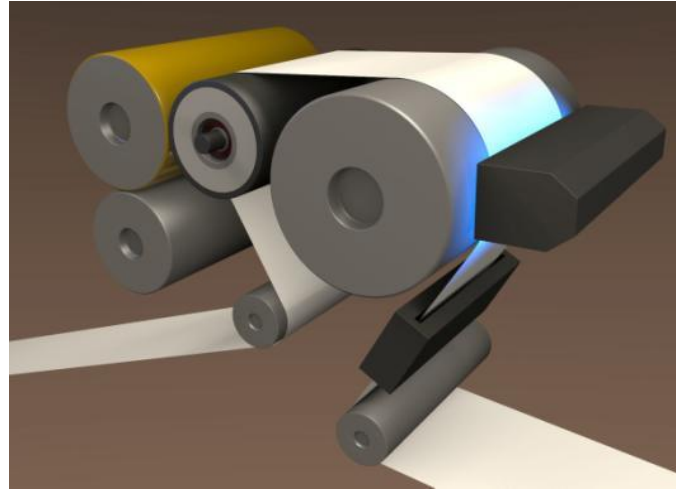
- Primary packaging
- Indirect food contact
- Unsupported films
- Laminates
- Endless printing

Labels & Flexible packaging

Register & web tension:

The press has to be able to run labels and packaging, supported and unsupported materials

- Short web path
- Free running counter pressure roller
- Web transport by chill drum
- Low tension
- Taper tension rewind

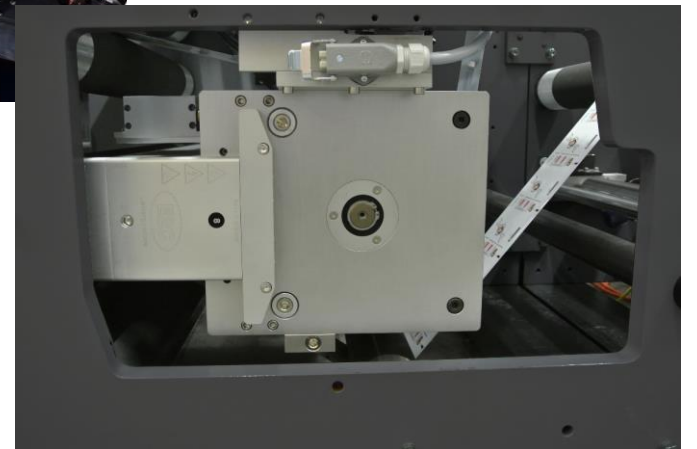


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Curing:

The press has to be able to cure/dry all types of inks, varnish and glue.

- **UV**
 - **Mercury**
 - **LED (hybrid or not)**
 - **Nitrogen**
- Hot air
- Infra red
- EB



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Curing:

The press has to be able to cure/dry all types of inks, varnish and glue.

- UV
 - Mercury
 - LED (hybrid or not)
 - Nitrogen
- **Hot air**
 - **Water based**
 - **Solvent based(explosion proof)**
- Infra red
- EB



Labels & Flexible packaging

So, how does the narrow web press for flexible packaging look like?:

The press has to be able to print and cure/dry all types of inks, varnish and glue on supported and unsupported films with the possibility to add extra features.

- Hybrid printing technologies
- Width from 20 – 30 inch
- Different dry/cure technologies
- Application modules on rail
- Intelligent web transport





Thank you!



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