

Year 2008



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After more than 80 years...



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MP Engineering
COATING AND LAMINATING TECHNOLOGIES

Flame Lamination



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Flame lamination

Possible applications of flame laminated materials:

- *Automotive industry (car seats and headliners)*
- *Public transports (train and bus interiors)*
- *Shoes industries (sport shoes interiors)*
- *Hometextiles (office chairs etc.).*





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Flame lamination

- The most popular and the best technology to laminate textiles and plastic materials with PU foam.



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Flame lamination

Among the features of flame laminators:

- *A special air-gas mixing system, with flowmixer, which guarantees an extremely easy regulation of the flame power;*
- *Special designed cast iron or aluminium burners, provided with perforated ribbon, which guarantee a perfect uniformity of the flame on the whole width;*
- *Big perforated drum to vacuum the residual fumes in the laminated product and cool it immediately after lamination;*
- *Control of working parameters by touch screen and possibility to store recepies;*



Knife Coating



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Knife coating

- **Possible applications:**
 - *Garment industry (water-proof fabrics, fashion effects)*
 - *Shoes industries (coating of thermoadhesive pastes or pressure sensitive pastes)*
 - *Home textile industry (back coating for anti-sleeve purposes or yarn blocking effect);*
 - *Industrial fabrics (rubber coated fabrics etc.)*





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Knife coating

- Complete coating lines



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Knife coating

- A combine machine with both knife-over-roller and knife-over-air systems.



Powder Scattering



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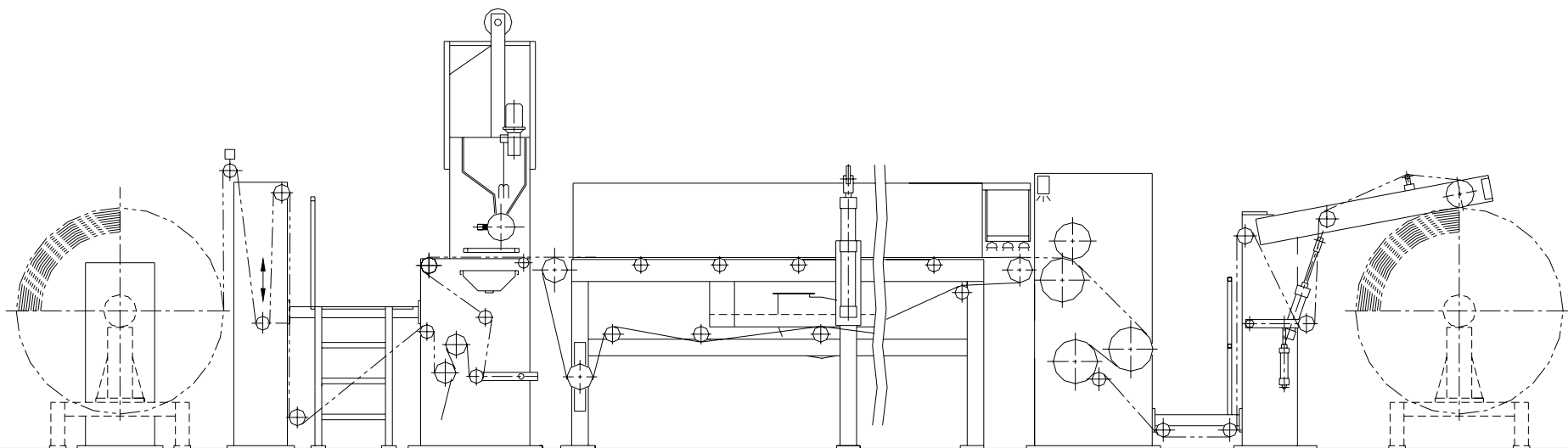
Powder scattering

Possible applications of scatter coated products:

- *Garment industry (fusible interlinings for shirt collars)*
- *Shoes industry (interlinings for shoes, shoes caps)*
- *Car industry (scatter coating of non-woven substrates to cover the luggage van and of carpets for car floor)*
- *Various laminated materials used in hometextile, garment industry, automotive industry*

Powder scattering

Standard and simple powder scattering line.



Powder scattering

Continuous pressure belt calender.





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Powder scattering

Line to laminate film to true leather pieces.





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Powder scattering

Powder scattering line with maximal working width 5100 mm.



Powder dot and paste dot coating



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Powder dot coating

Possible applications:

- *Garment industry (fusible interlinings for man and ladywear)*
- *Lamination of substrates used in the garment and hometextile industry*

Powder dot coating

Powder dot coating line.



Powder dot coating

- A small stenter can be installed in the infrared heater oven, to bring the fabric back to its original width.



Paste dot coating

Possible applications:

- *Garment industry (fusible interlinings made of non-wovens for men and ladywear)*
- *Lamination of substrates used in the garment industry (mostly used for light/heat sensitive substrates)*

Paste dot coating

Combined dot-paste coating and powder scattering line.



***Film/web
lamination
Transfer
printing***

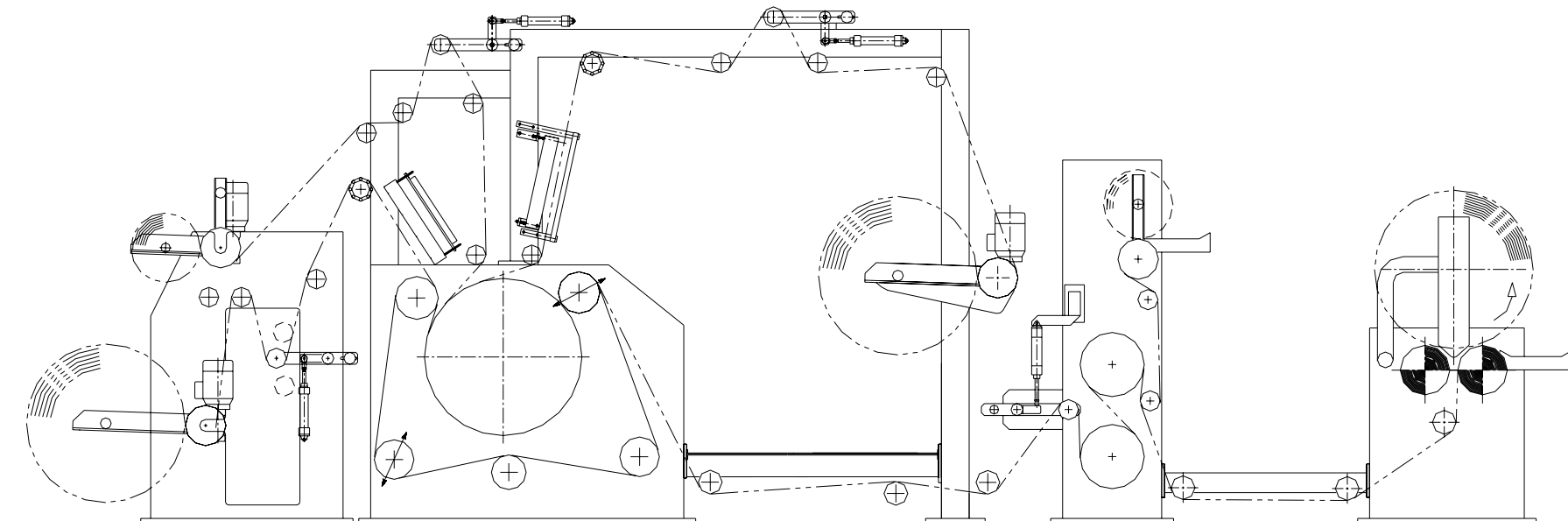


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Thermoadhesive film/web lamination

Basic web/film lamination line.



Thermoadhesive film/web lamination

Possible application:

- *Lamination of substrates for shoes, garment and hometextile industry (small quantities)*
- *The same line can be used for transfer printing*



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Hot Melt Coating & laminating



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Hot melt coating and lamination

- Possible applications :
 - *Car industry (lamination of fabric to foam or fabric to non-woven for car interiors)*
 - *Garment industry (lamination of fabrics to breathable membranes or of fabric to fabric)*
 - *Shoes industry (interlinings for shoes, shoes caps)*
 - *Coating of mattress thickening fabrics for yarn blocking effect*
 - *Building industry (lamination of insulating materials)*



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Hot melt coating and laminating

Some advantages:

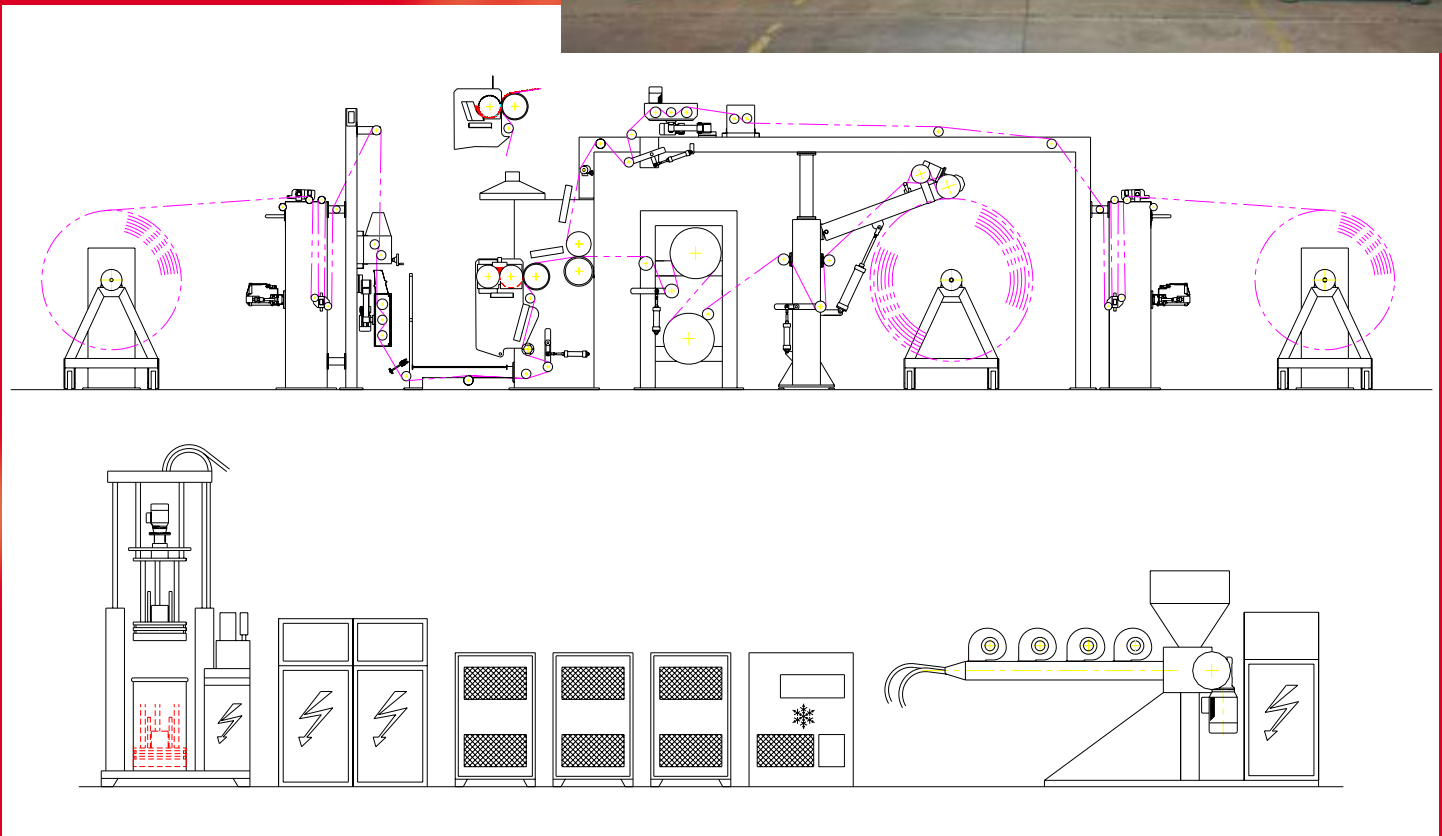
- *This process use adhesives in granules, which are less expensive then the previously quoted adhesives.*
- *Production speeds are quite high.*
- *It does not require any oven to be installed and thus it let you save space.*



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Hot melt coating and laminating



Hot melt coating and laminating

- In the following diagrams, two important hotmelt application system:
 - *The multiroller system.*
 - *The gravure roller system.*
 - *Both the slot die application system and the spray system can also be offered*



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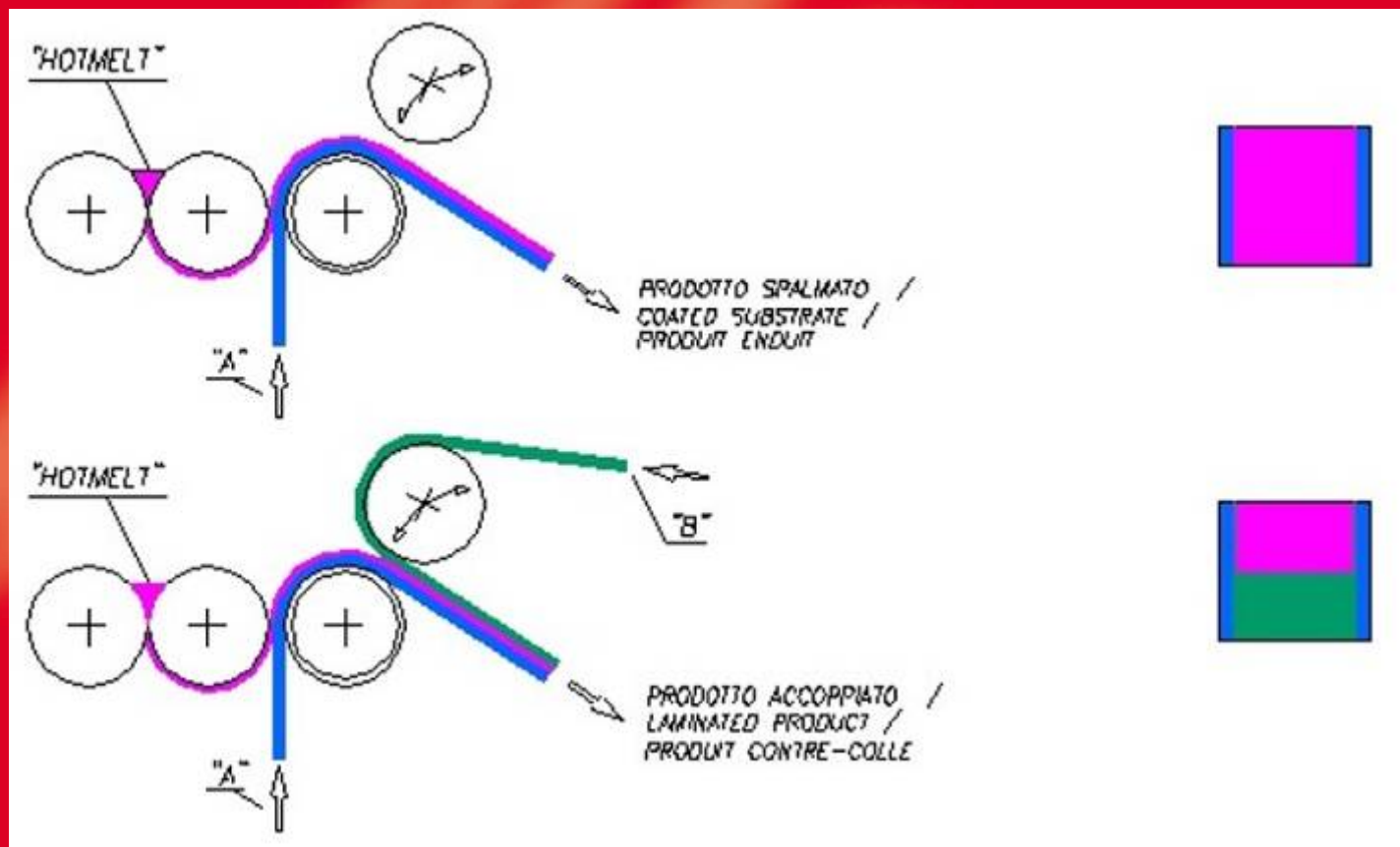


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Hot melt coating and laminating

Multiroller system





Hot melt coating and laminating

Gravure roller system

