



**PAMA**  
paper machinery

**PAMA paper machinery GmbH**  
**Overview headbox systems**

23.02.2021

customized technology

[www.pama-papermachinery.com](http://www.pama-papermachinery.com)

# Headbox types

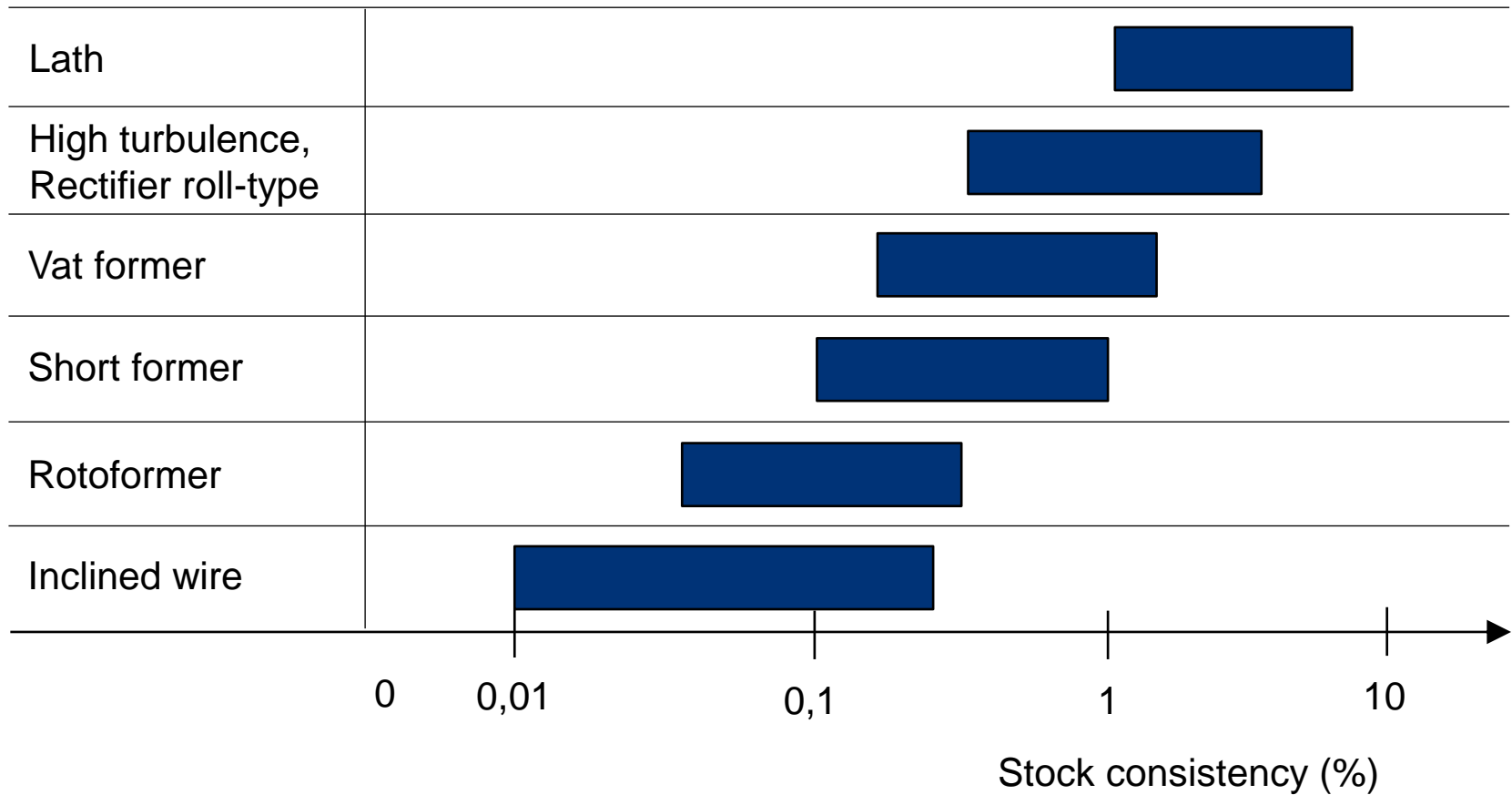
## Typical applications



Lath	Depth filter, insulating cladding from wet machine board <i>Natural and synthetic fibres, ceramic fibres, high mineral content, of 1-8 % stock consistency</i>
High turbulence	Coated and uncoated printing paper, multi-layer board products (folding boxboard, fluting, liner, gypsum plaster board), fotografic base paper, label p., decor p., sack p. <i>Natural fibres, of 0.5-5 mm fibre length, of 0.25-3 % stock consistency</i>
Rectifier roll	Printing paper, speciality paper (cigarettes, wall paper, filter, glassine), special board <i>Natural fibres, of 0.5-5 mm fibre length, of 0.25-3 % stock consistency</i>
Cylinder mould vat Vat former	Multi-layer board products (folding boxboard, fluting, liner) Machine mill board (heavy board, insulating board) Security paper <i>Natural fibres, of 0.5-12 mm fibre length, of 0.2-1.3 % stock consistency</i>
Short former Suction former	Security paper (top layer), multi-layer products (folding boxboard, fluting, liner) <i>Natural and synthetic fibres, of 0.1-0.5 % stock consistency</i>
Rotoformer	Nonwovens, filters, especially from glass and mineral fibres <i>Natural and synthetic fibres, of 6-12 mm fibre length, of 0.04-0.3 % consistency</i>
Inclined wire	Speciality paper (air and liquid filters, tea bags, coffee pads, masking tapes) Technical nonwovens (insulation, sealing, separators, coating carrier) Glass fibre nonwovens (insulation, base for material compounds) Textile-related nonwovens (cloths, laundry, textile plys) <i>Natural and synthetic fibres, of 6-36 mm fibre length, of 0.01-0.3 % consistency</i>

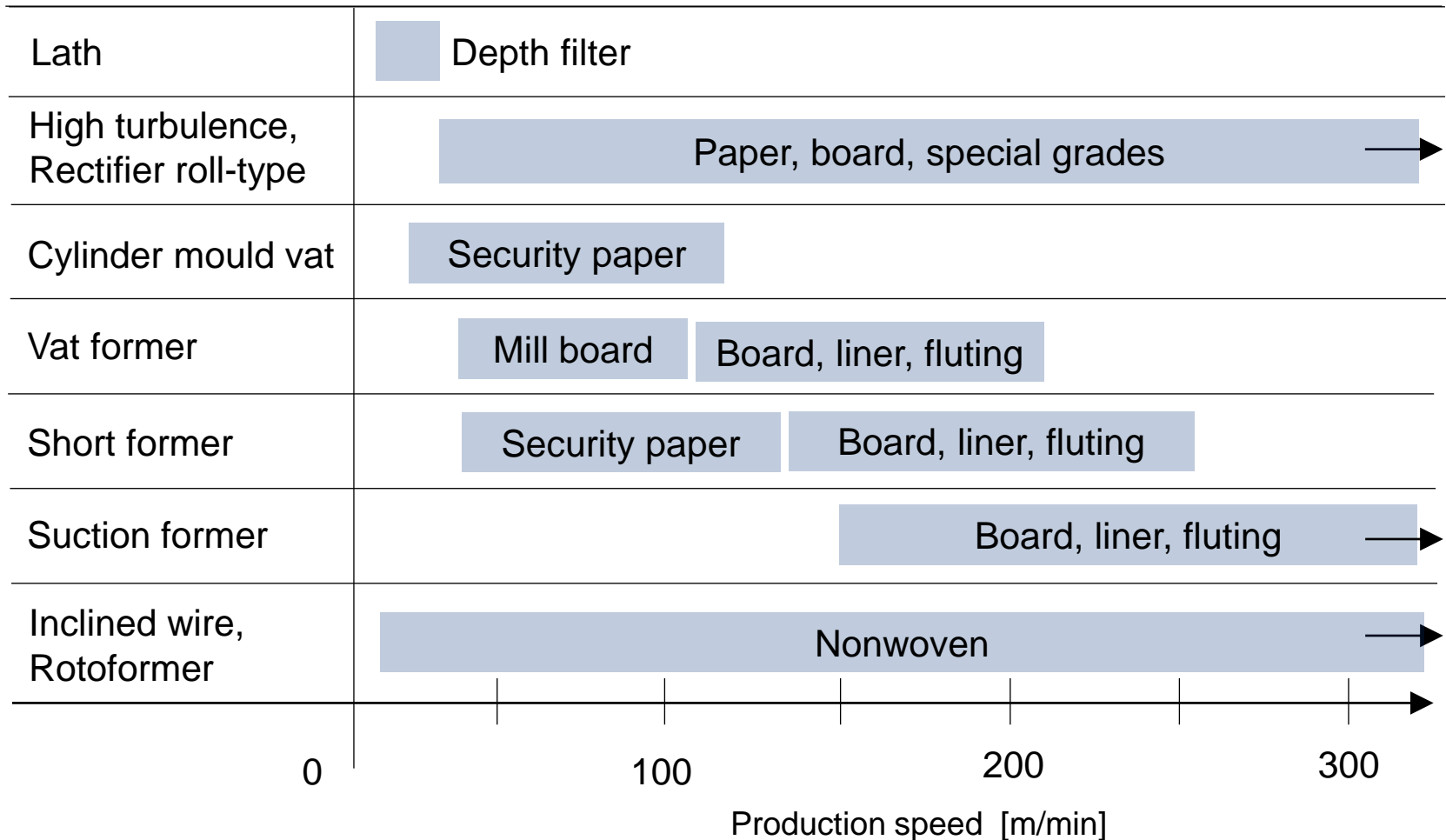
# Headbox types

Typical range of stock consistency



# Headbox types

Typical applications



# Products from PAMA-Headboxes

## Examples of special applications



headbox type	reference	year	product	material	grammage [g/m <sup>2</sup> ]	v <sub>Prod</sub> [m/min]	width [mm]
Lath Headbox	Germany	2019	Depth Filter for Liquids	Pulp, Minerals	500 – 1700	2 – 20	3,360
Fourdrinier Former	Czech Republic	2016	Couplings, Brake plates	Pulp, cotton, minerals	150 – 800	10 – 60	1,405
Rectifier Roll Headbox	Germany	2012	Glassine , parchment paper	Chemical Pulp	20 – 140	50 – 300	2,355
High turbulence Headbox	Germany	2012	Coffee Filter, greaseproof paper	Wood Pulp, Abaca	30 – 120	100 – 400	2,400
Vat Former, Making roll	Turkey	2009	Transformer board	Kraft pulp	1000– 10000	35 – 100	3,330
Rotoformer	France	2006	Aerosol Filter	Glass fibers	50 – 100	30 – 100	2,030
Inclined Wire Headbox	China	2012	Tea bag, coffee pad	Pulp, Synthetic	12,5 – 35	160 – 300	2,040
Inclined Wire Headbox	USA	2015	Automotive filters	Pulp, Synthetic	65 – 230	50 – 400	2,910
Inclined Wire Headbox	Russia	2003	Glass filter mat	Glass fibers	55 – 90	100 – 200	3,266
Laboratory Inclined Wire	Germany	2012	Nonwoven materials	Pulp, Metal, Synthetic	10 - 75	1 – 10	500

**Many thanks for your attention!**

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