

**17. Hofer Vliesstofftage**

am 6. und 7. November 2002



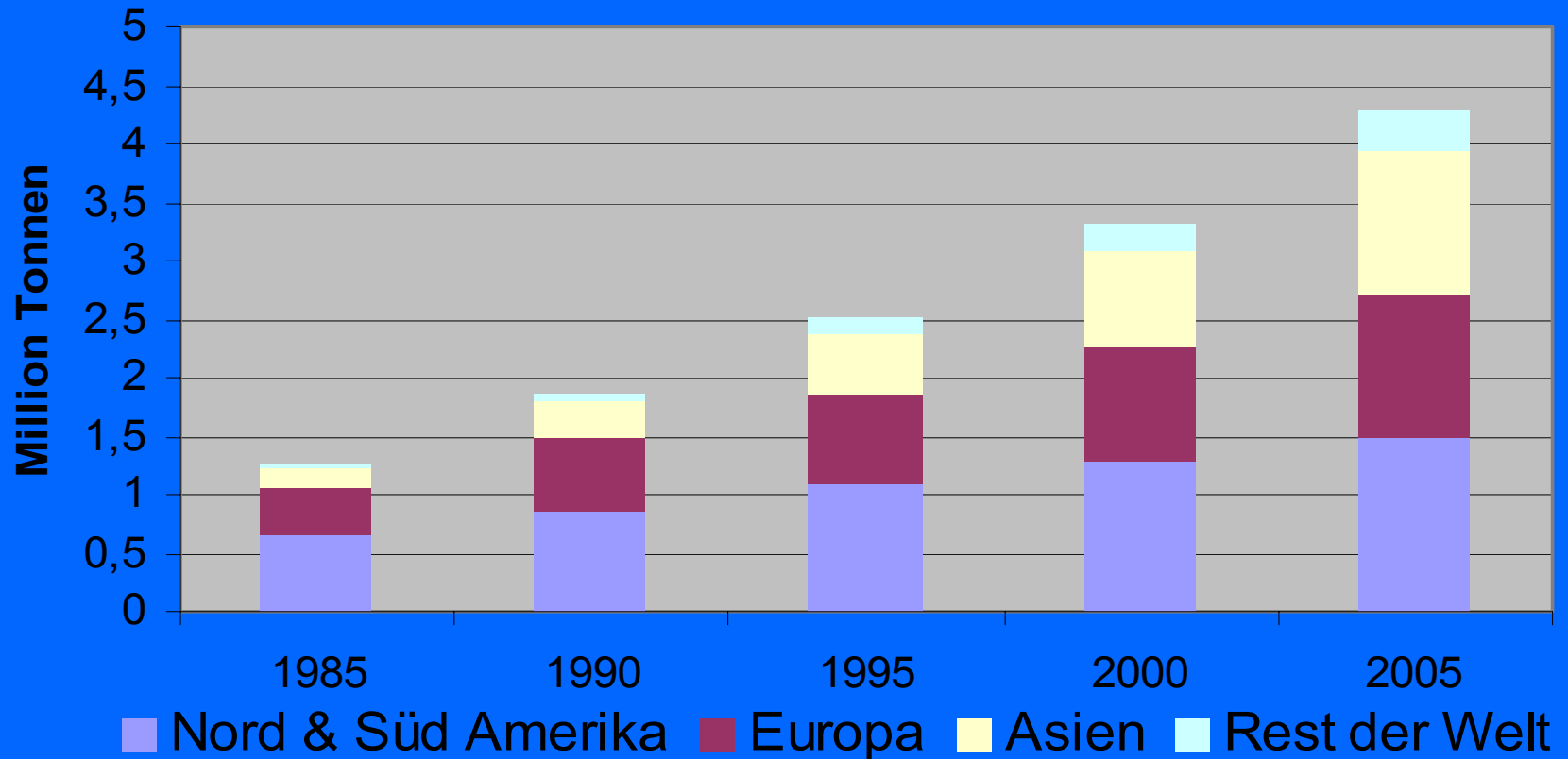
# Entwicklungen in der AquaJet- Technologie bezüglich Composites- und Sandwich-Produkten

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**FLEISSNER**

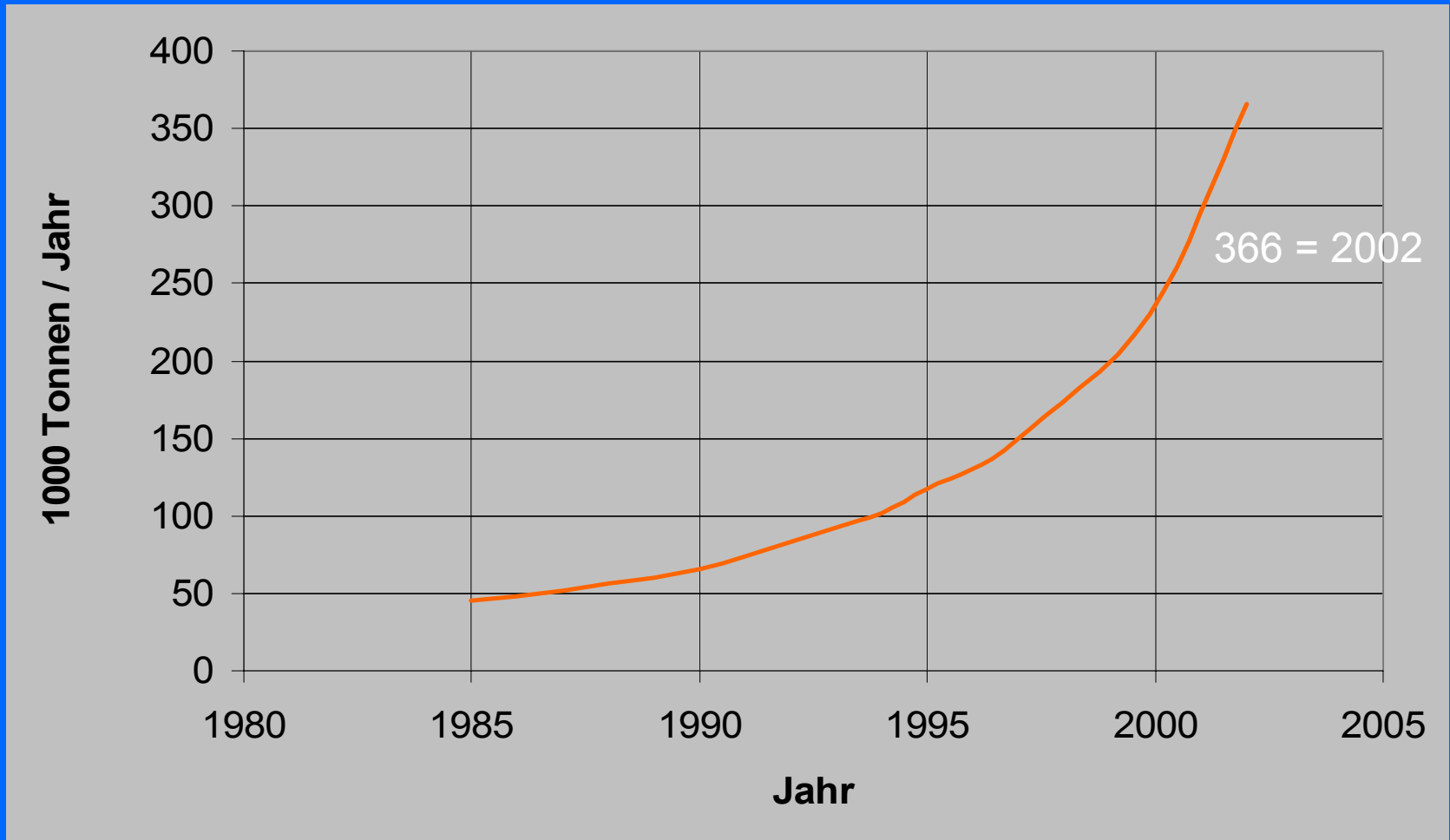
# Weltweiter Vliesstoffverbrauch



Quelle: The world technical textil industry & its markets Techtexsil, Messe Frankfurt

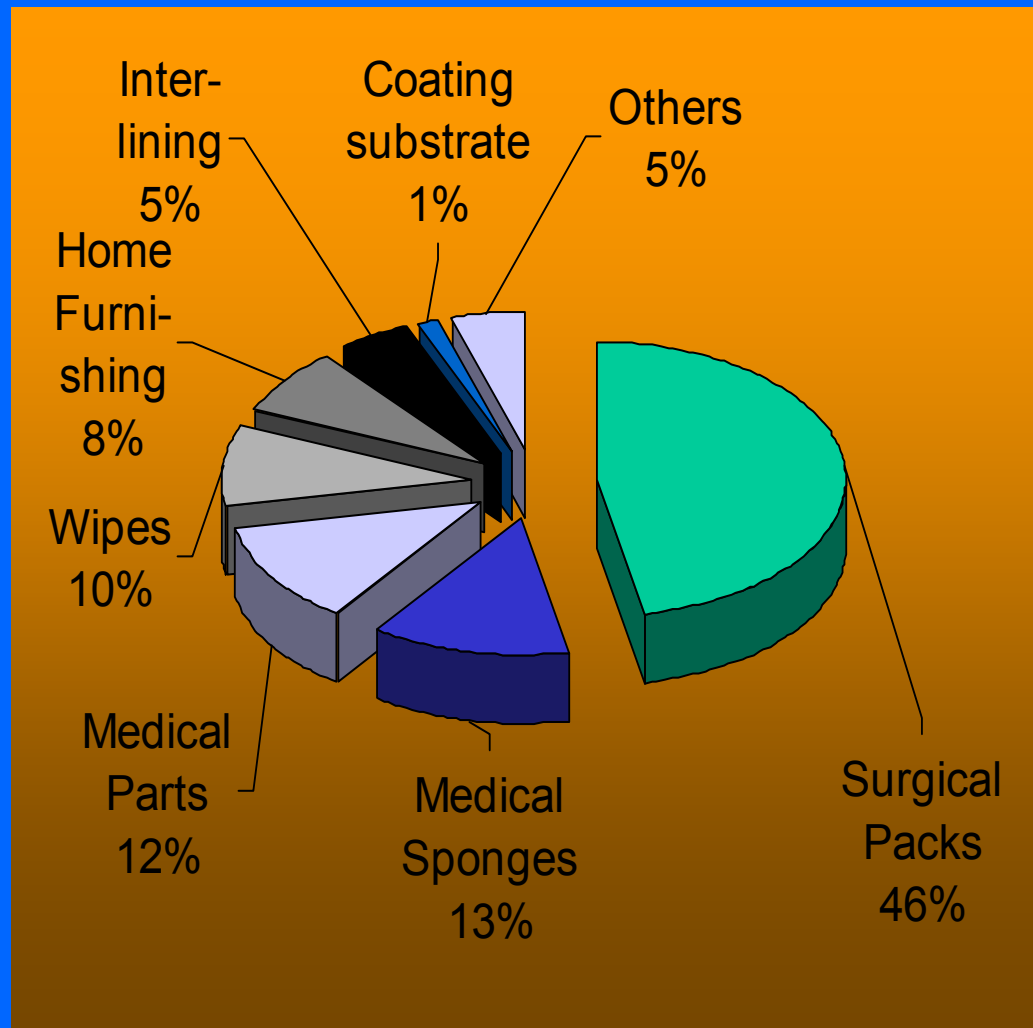
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# Weltweite Spunlaceproduktion



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# Spunlaceprodukte am US - Markt



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## 2 - Lagen Composites



**Carded - Pulp**  
**Spunbond - Pulp**  
**Nanoval - Pulp** } **Wischtücher**

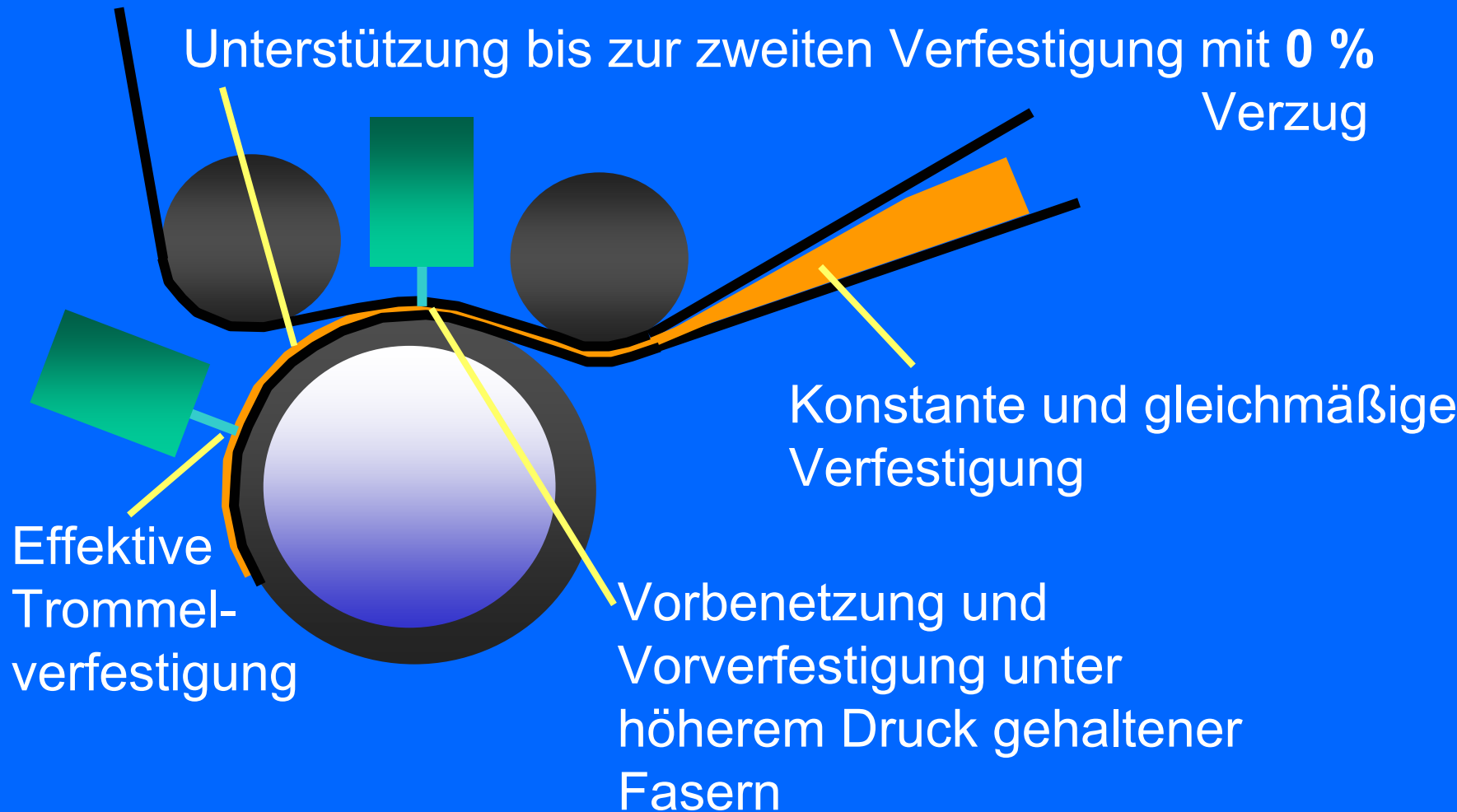
**Carded - Tissue**  
.....  
..... } **Medizinische Anwendung  
(Ärztbekleidung,  
Operationstücher,...)**

# Fleissner AquaJet



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# Fleissner Kompaktiereinheit



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# 2-Lagen Composite Carded - Tissue



Ohne hydrophob-Ausrüstung

mit hydrophob-Ausrüstung



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## 3 - Lagen Composites

carded - Pulp - carded

Spunbond - Pulp - Spunbond

carded - Tissue - carded

carded - Tissue - Spunbond

Nanoval - Tissue - Nanoval

Wischtücher

Mittellage auch: Spunbond

Gitter

etc.

technische Anwendungen

Carded: PET, PP, Viskose

Spunbond: feine Filaments, splittbare Filamente

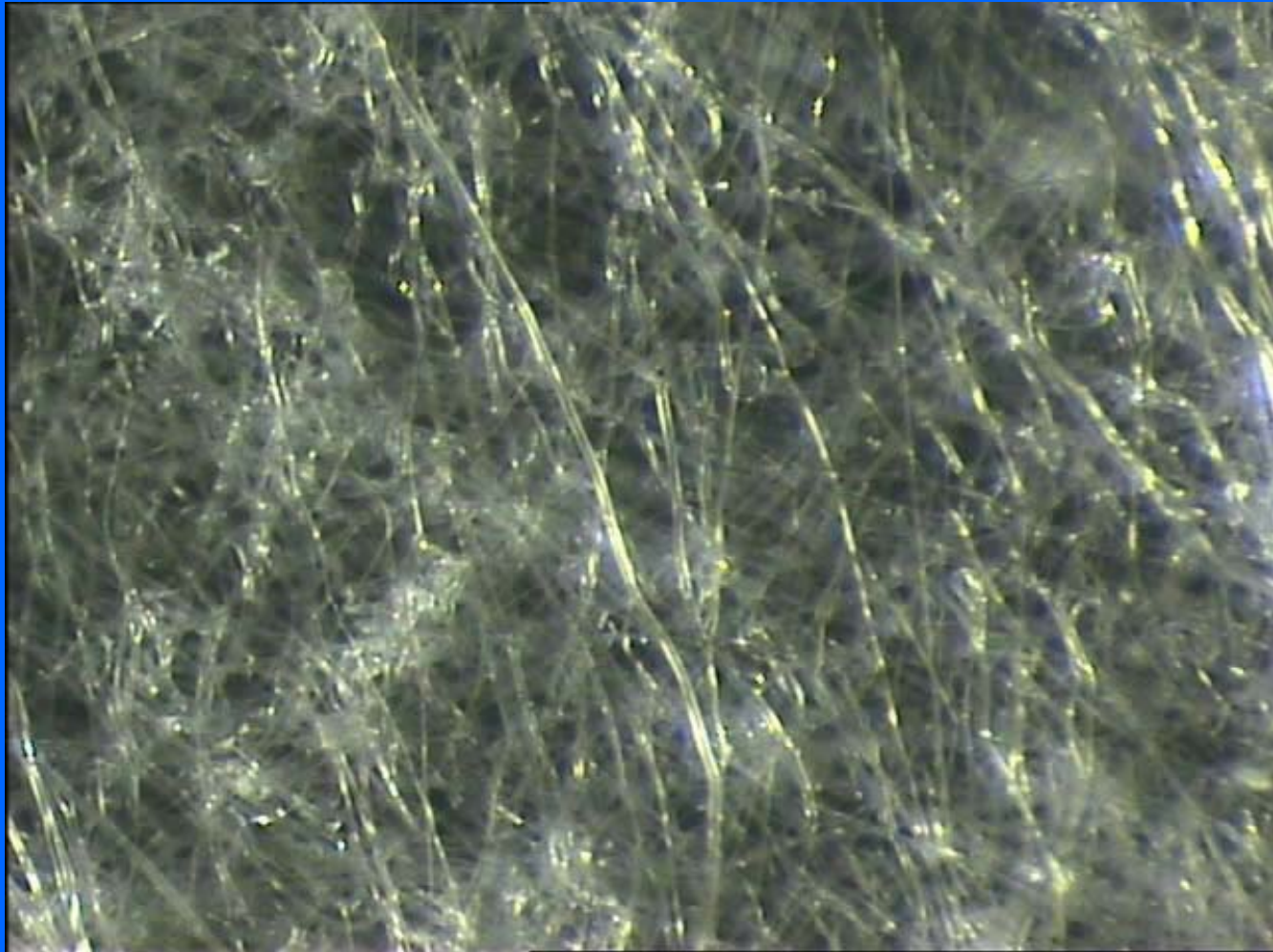
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# Querschnitt 3-lagiges Produkt carded - Pulp - carded



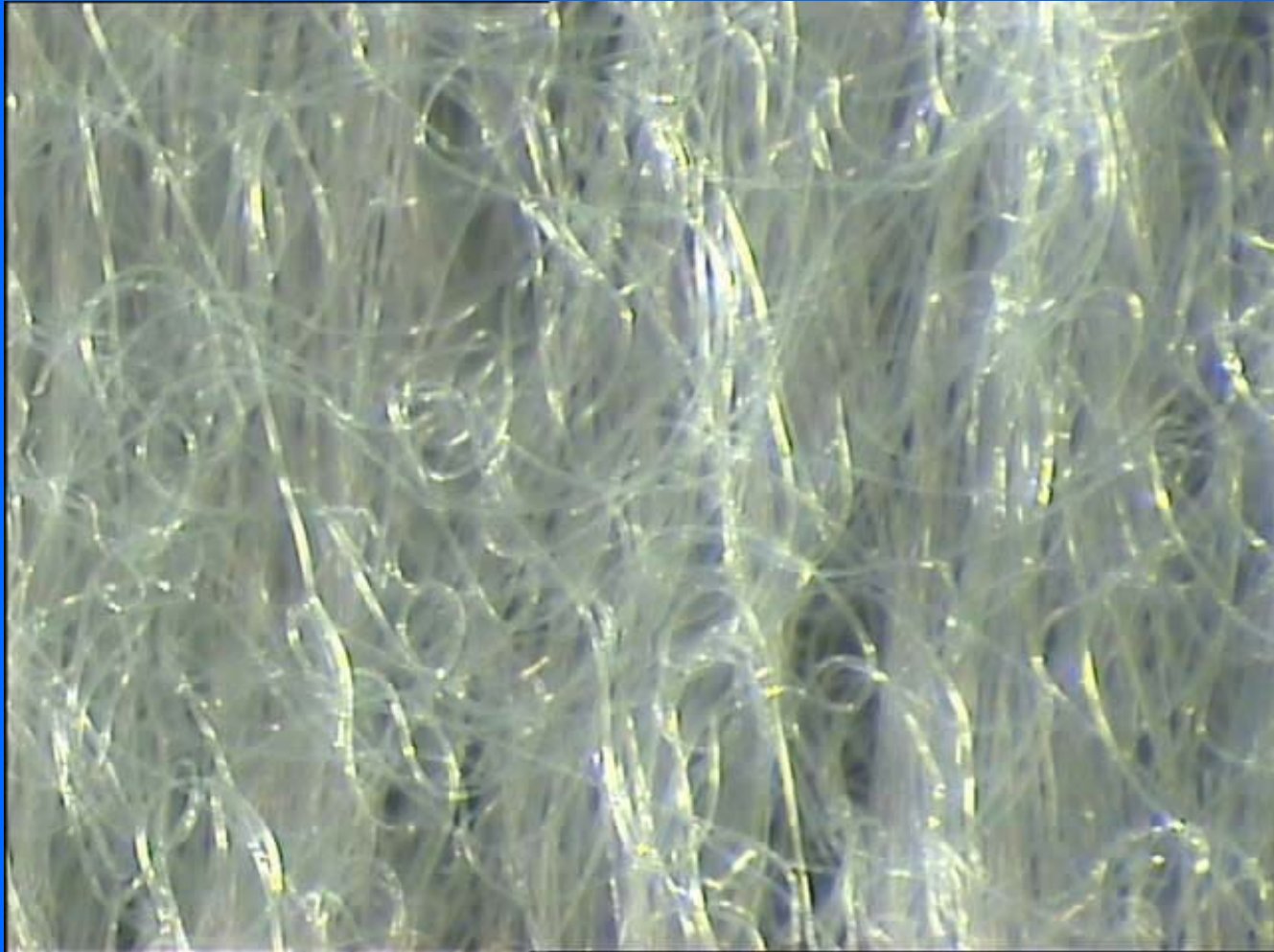
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# Nanoval PP



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# Stapelfaser 1,7dtex-38 PES 80g/m<sup>2</sup>



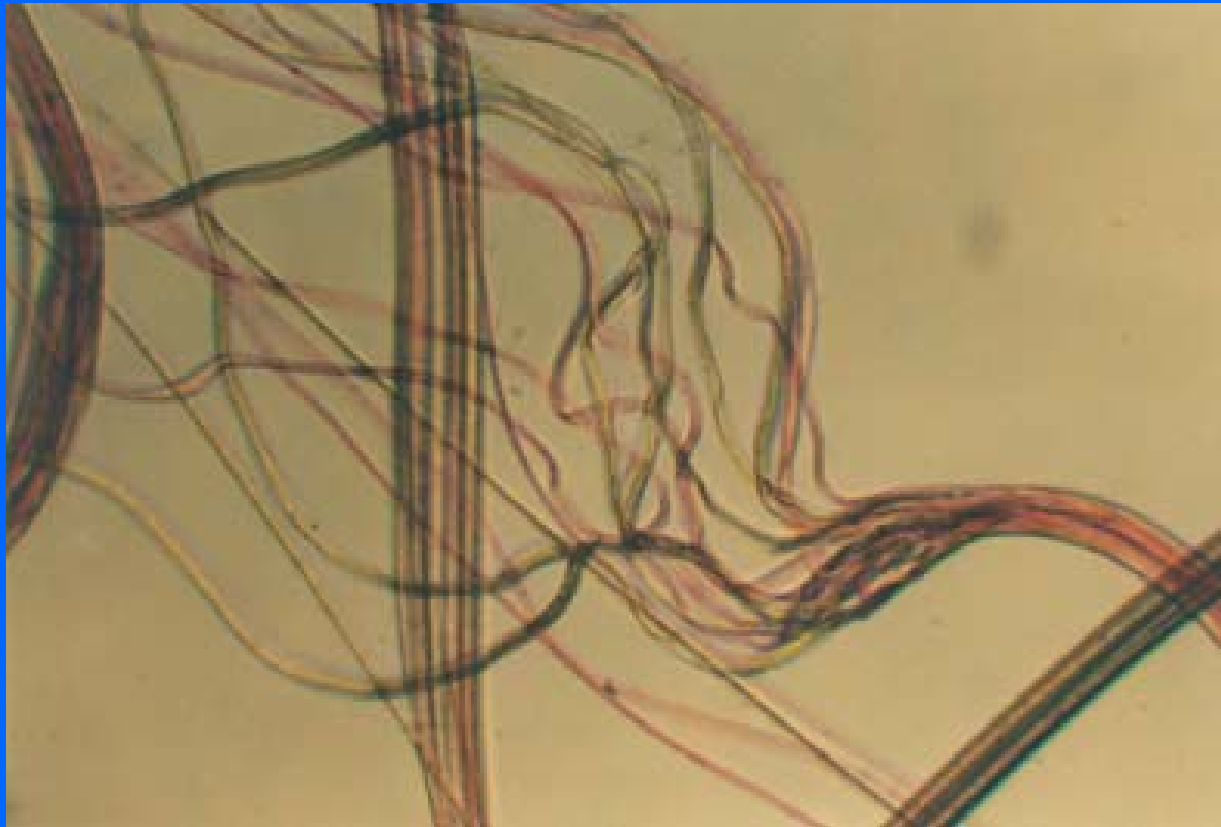
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# Biko - Fasern



## 16 - Segment - Faser nach dem Splitten



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# Vergleich von zwei Spunlace-Produkten

**50% Pulp / 50% PES**

**30%Viscose / 70% PES**

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# Produktionsdaten I



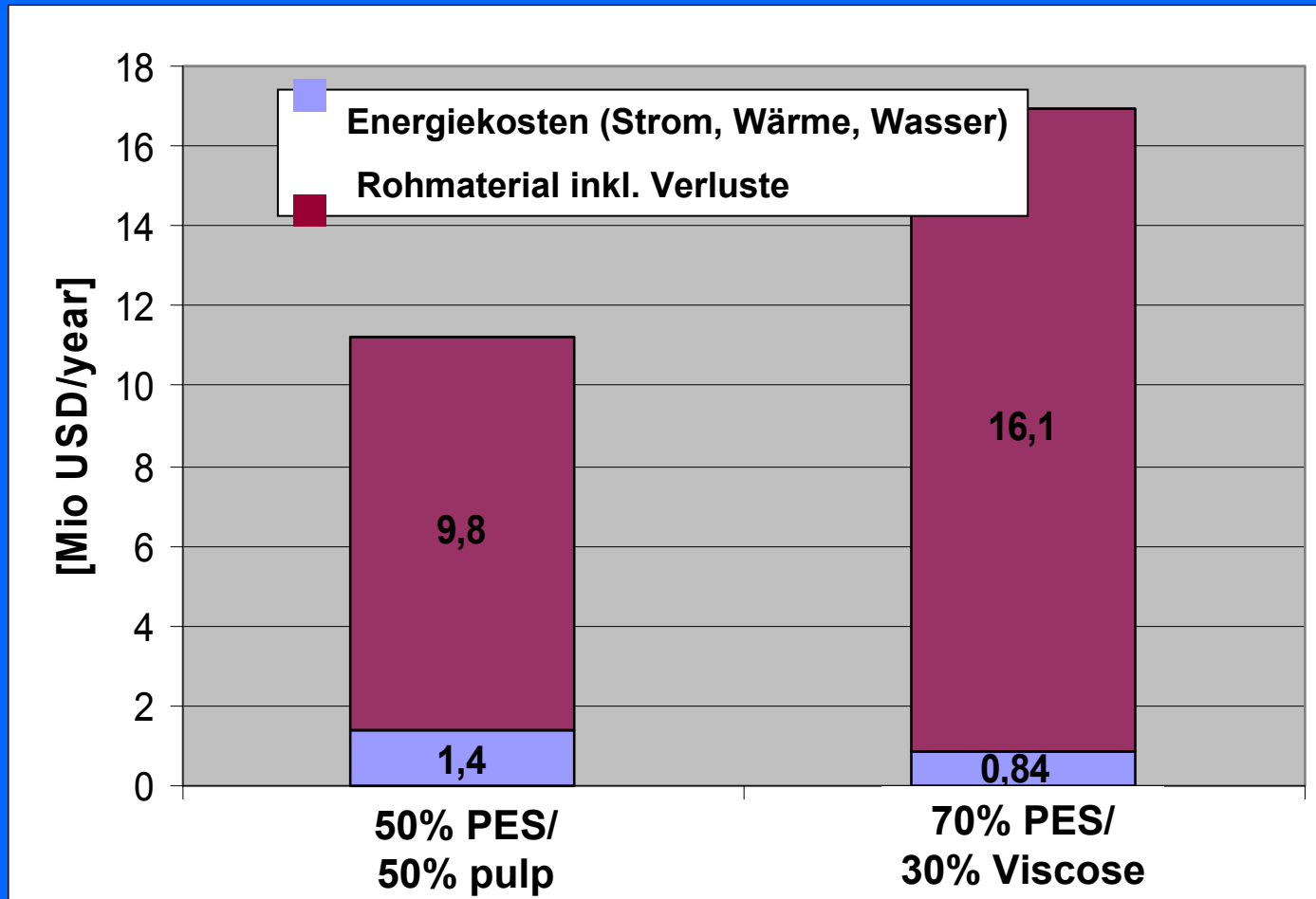
<b>Line configuration</b>	<b>2 cards / 1 air-laid unit / 1 spunlace unit</b>	<b>2 cards / 1 spunlace unit</b>
<b>Product [gsm]</b>	<b>60</b>	<b>60</b>
<b>Material</b>	<b>50% PES/50% pulp</b>	<b>70% PES/30% viscose</b>
<b>Line width [mm]</b>	<b>3,600</b>	<b>3,600</b>
<b>Line speed [m/min]</b>	<b>110</b>	<b>110</b>
<b>Operating hours per year [h]</b>	<b>7,000</b>	<b>7,000</b>

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# Kostenvergleich

Einsparung: 5,74 Mio. USD / Jahr



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Vielen Dank !!

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