

Merkmale moderner Neumag- Filament-Vlies-Anlagen

18. Hofer Vliesstofftage 5.-6. November 2003

Saurer Textile Systems Overview

| Saurer

Allma | **Saurer**

Barmag | **Saurer**

Melco | **Saurer**

Neumag | **Saurer**

Schlafhorst | **Saurer**

Volkmann | **Saurer**

Zinser | **Saurer**

| Saurer

Saurer Textile Systems:

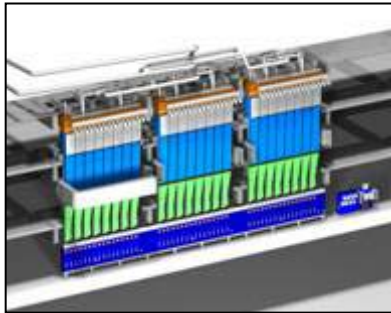
- ▶ Turnover 1.8 bill. EUR
- ▶ Employees 7,000

Neumag | Saurer

- ▶ Turnover: 115 mill. EUR
- ▶ Employees 480
 - ▶ Technical Departments (Engineering, Design, Development, Sales) 185
 - ▶ Administration (Finances, Staff dptmt., Data processing) 35
 - ▶ Production 260

Neumag - Product range

Engineering



Staple Fiber



BCF Carpet Yarn



Neumag | Saurer



Spunbond

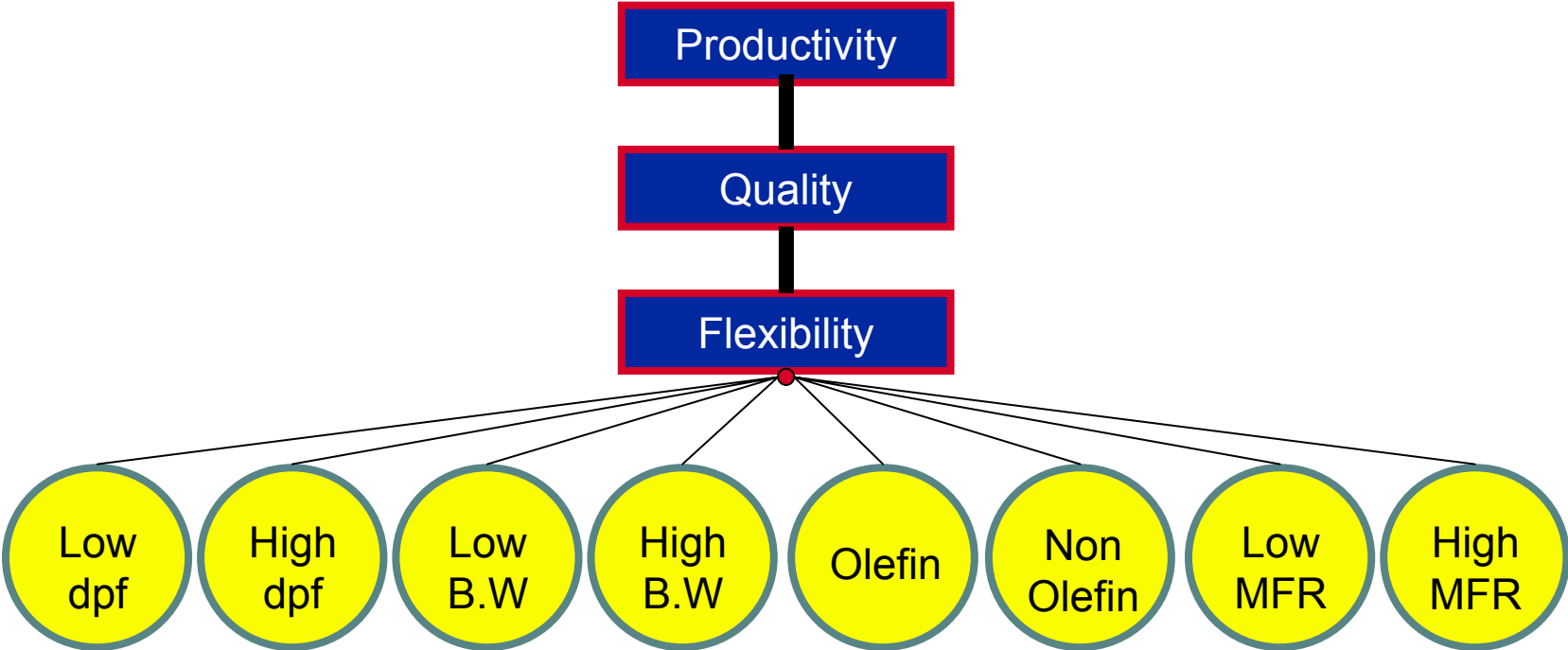


INLINE

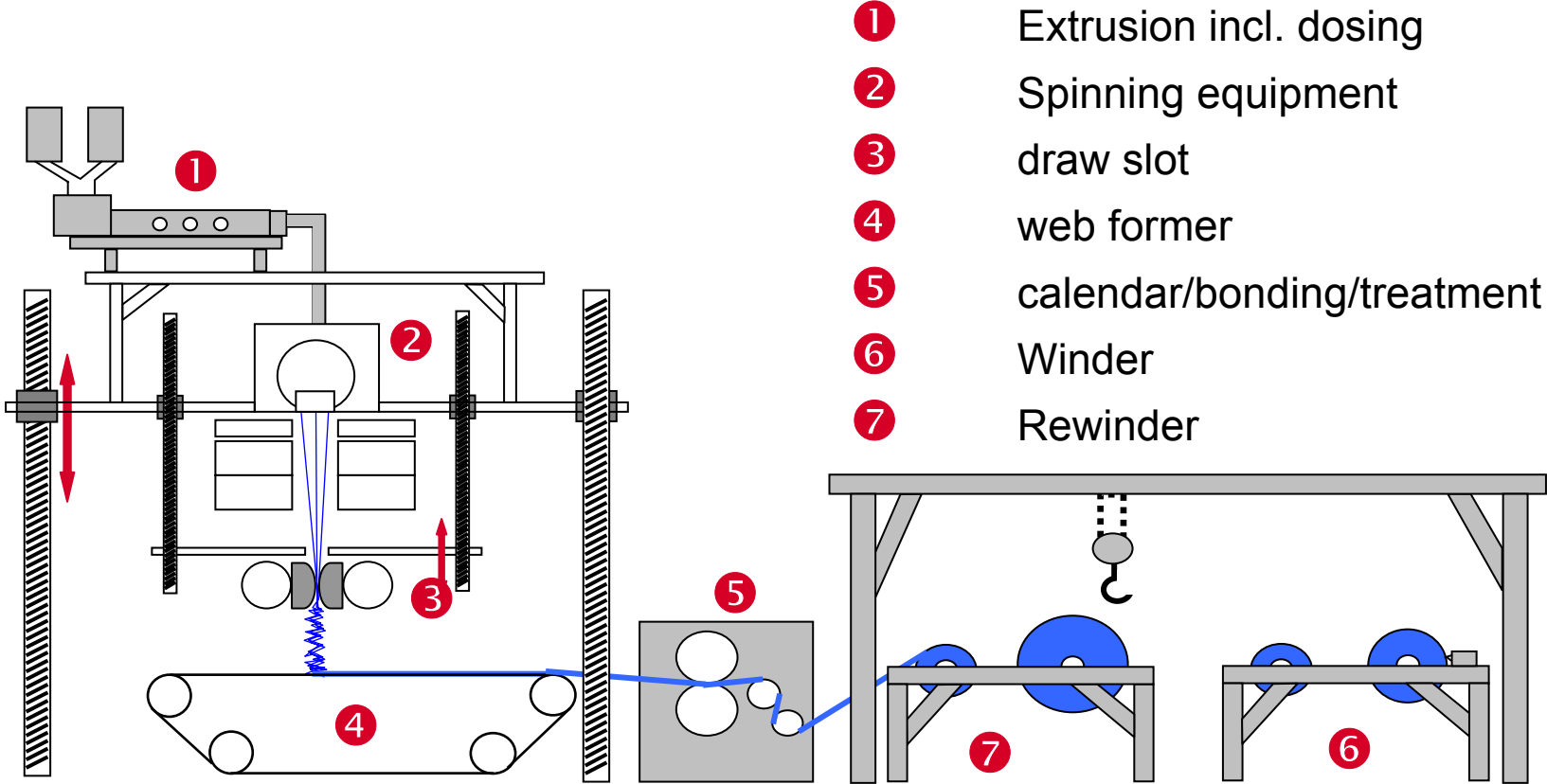


Services

Market Requirements



Spunbond - Line configuration



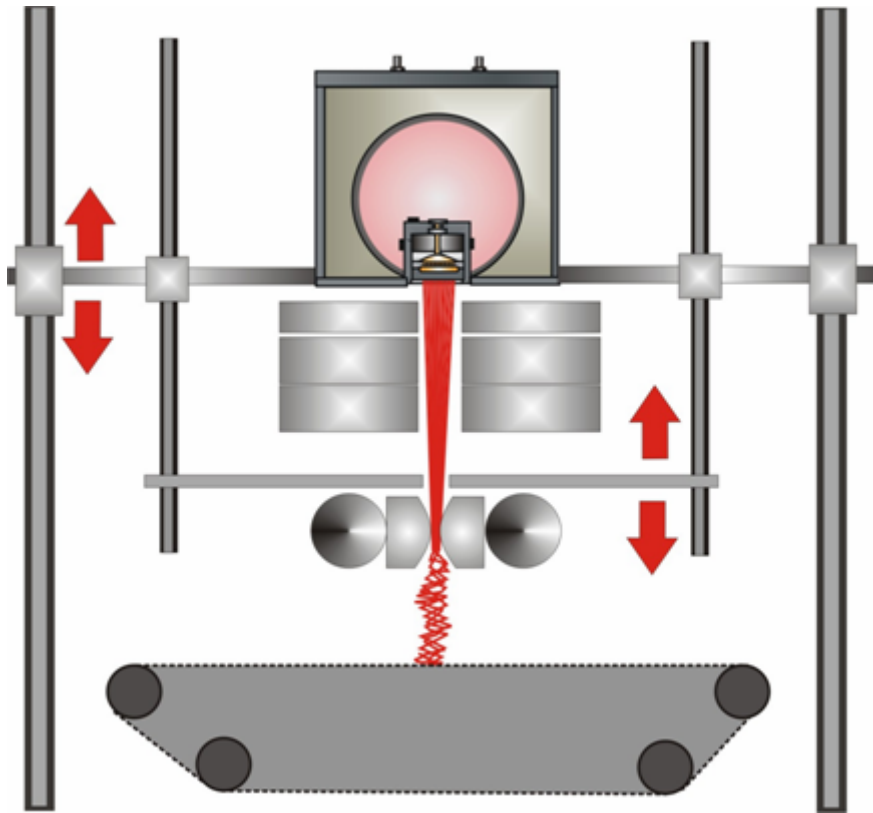
Spunbond - Line configuration



Spinning and lay down
Neumag expertise

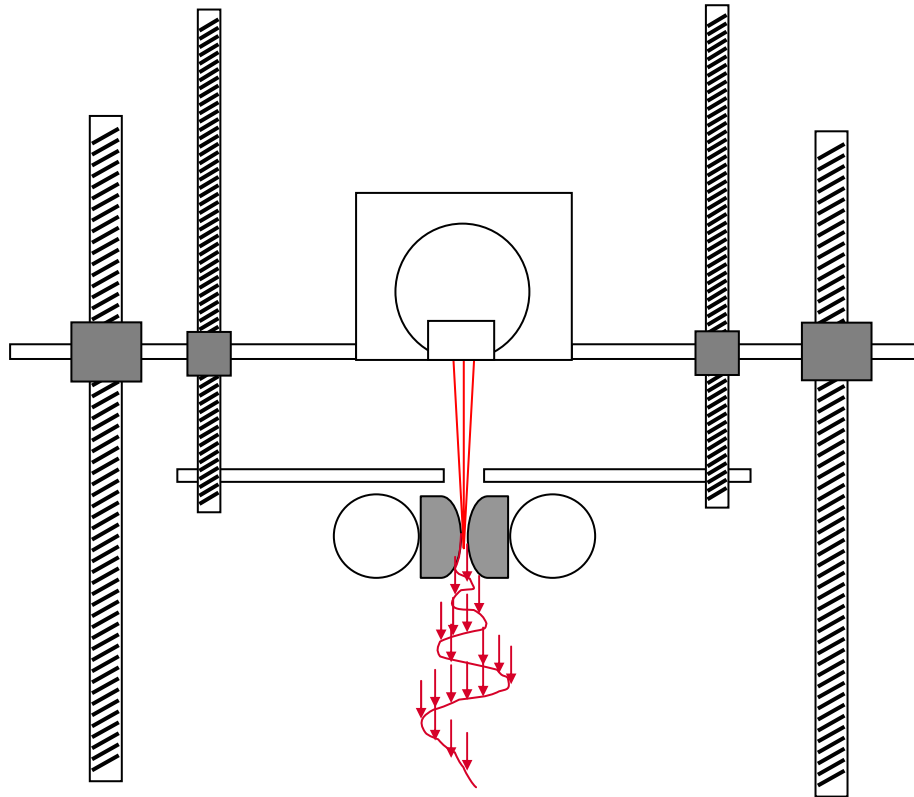
Bonding, treatment, winding
subsuppliers

Ason Spunbond Process: What makes it different ?



- ▶ A short and effective draw slot
- ▶ A short and adjustable spin length
 - **High spinning speeds (up to 8000 m/min)**
 - **Wide product range**
- ▶ A variable forming distance

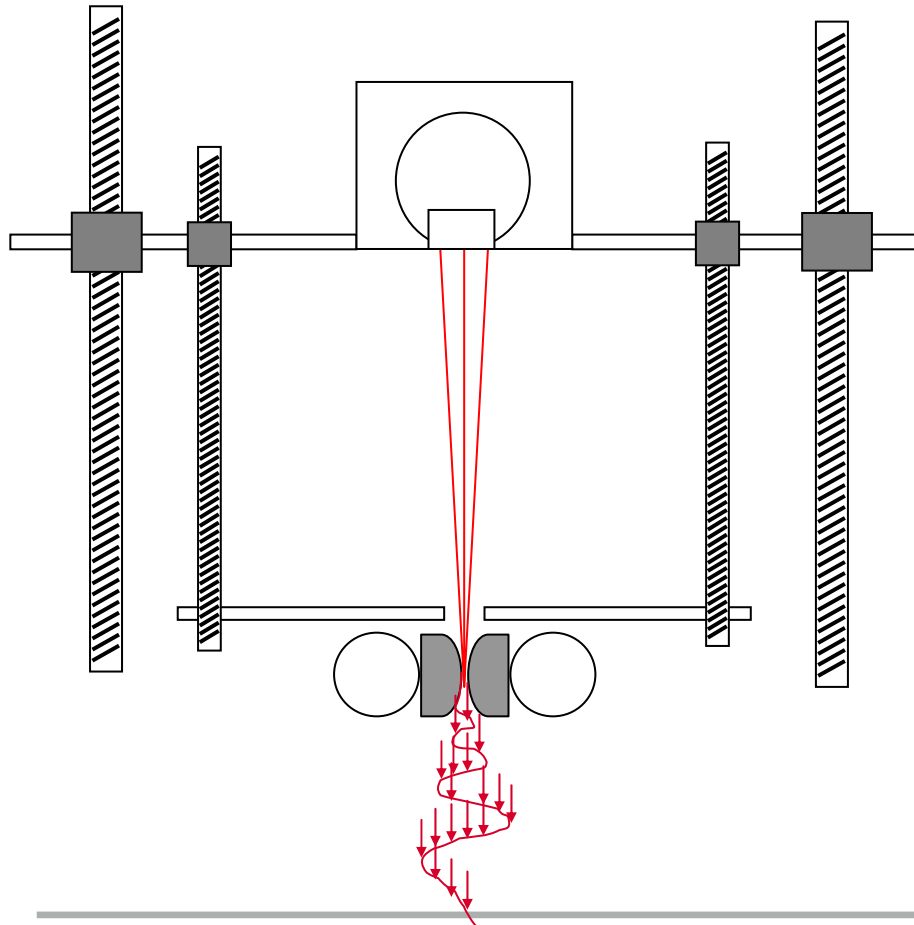
Ason Spunbond Process



$$\text{Draw force} - \text{Drag force} = \text{Spinning speed}$$



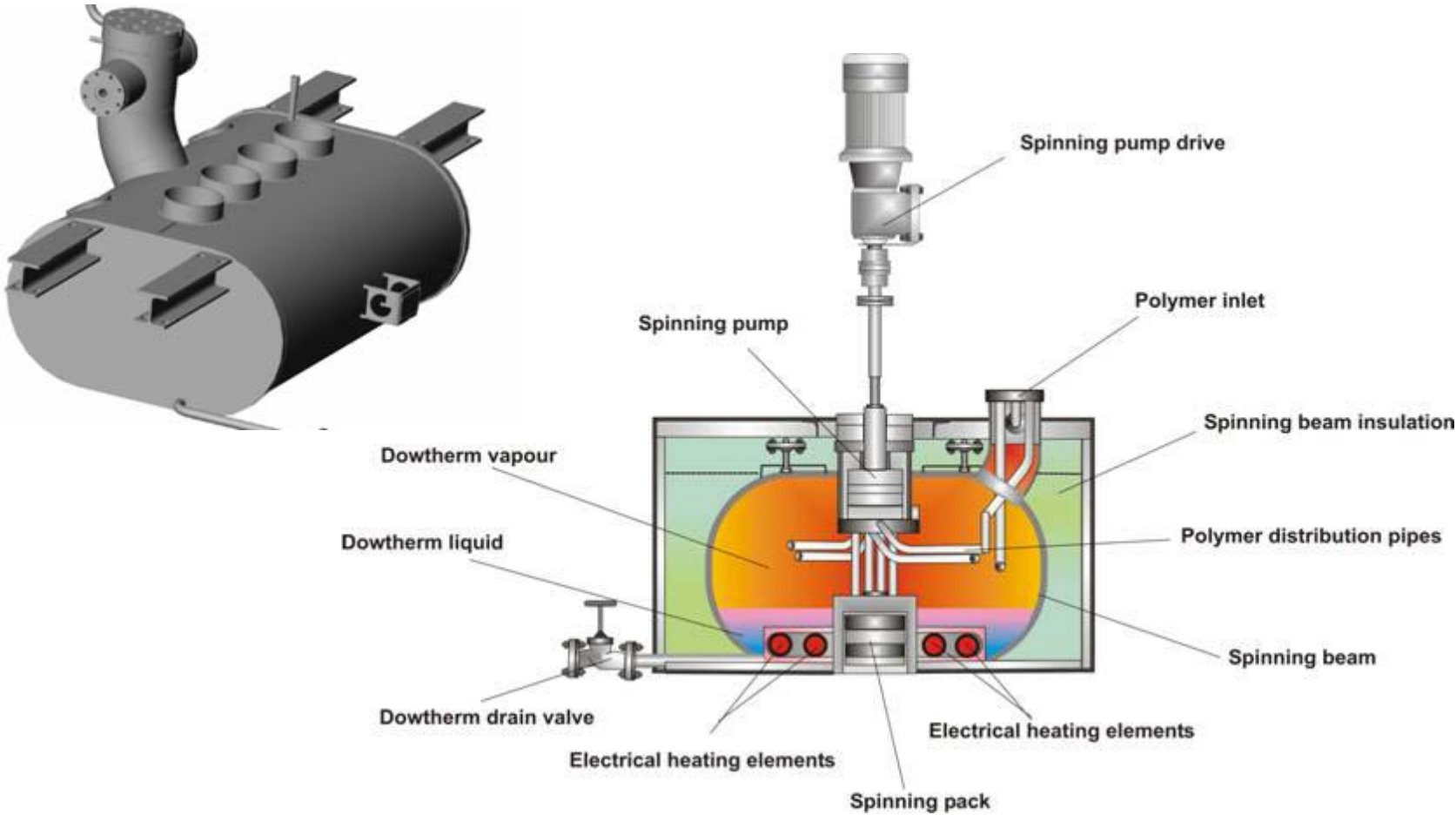
Ason Spunbond Process



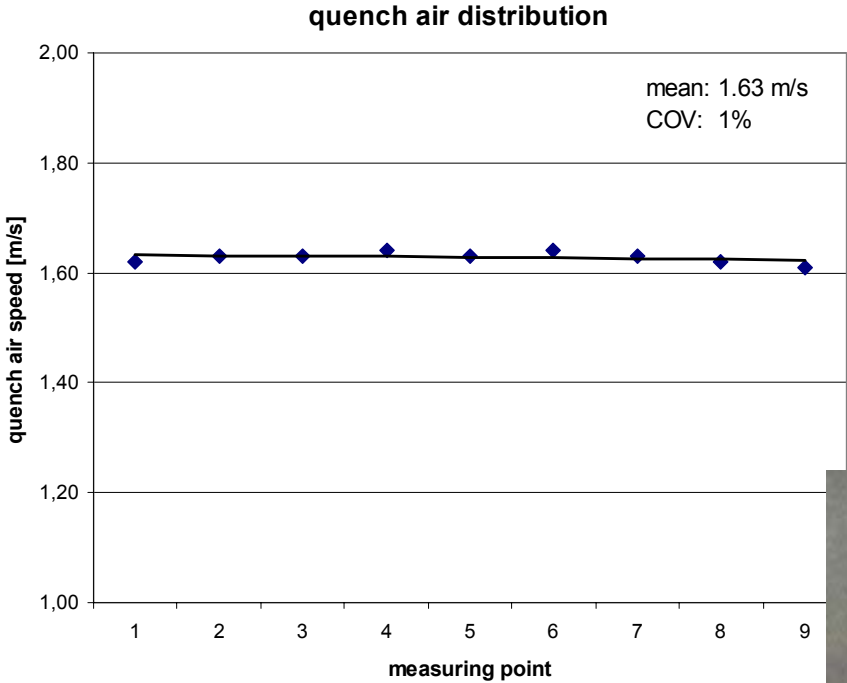
$$\text{Draw force} - \text{Drag force} = \text{Spinning speed}$$



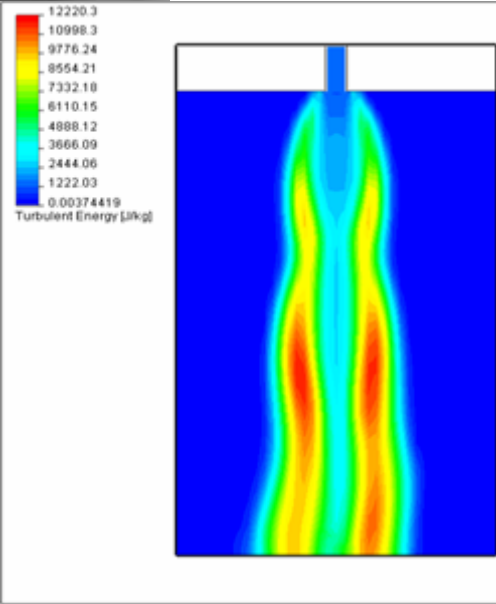
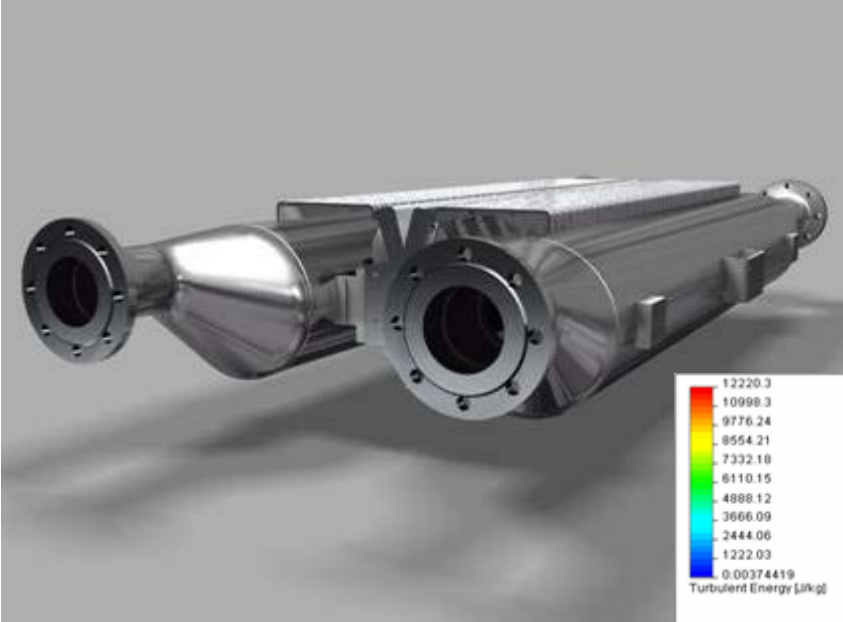
Equipment – Spin beam



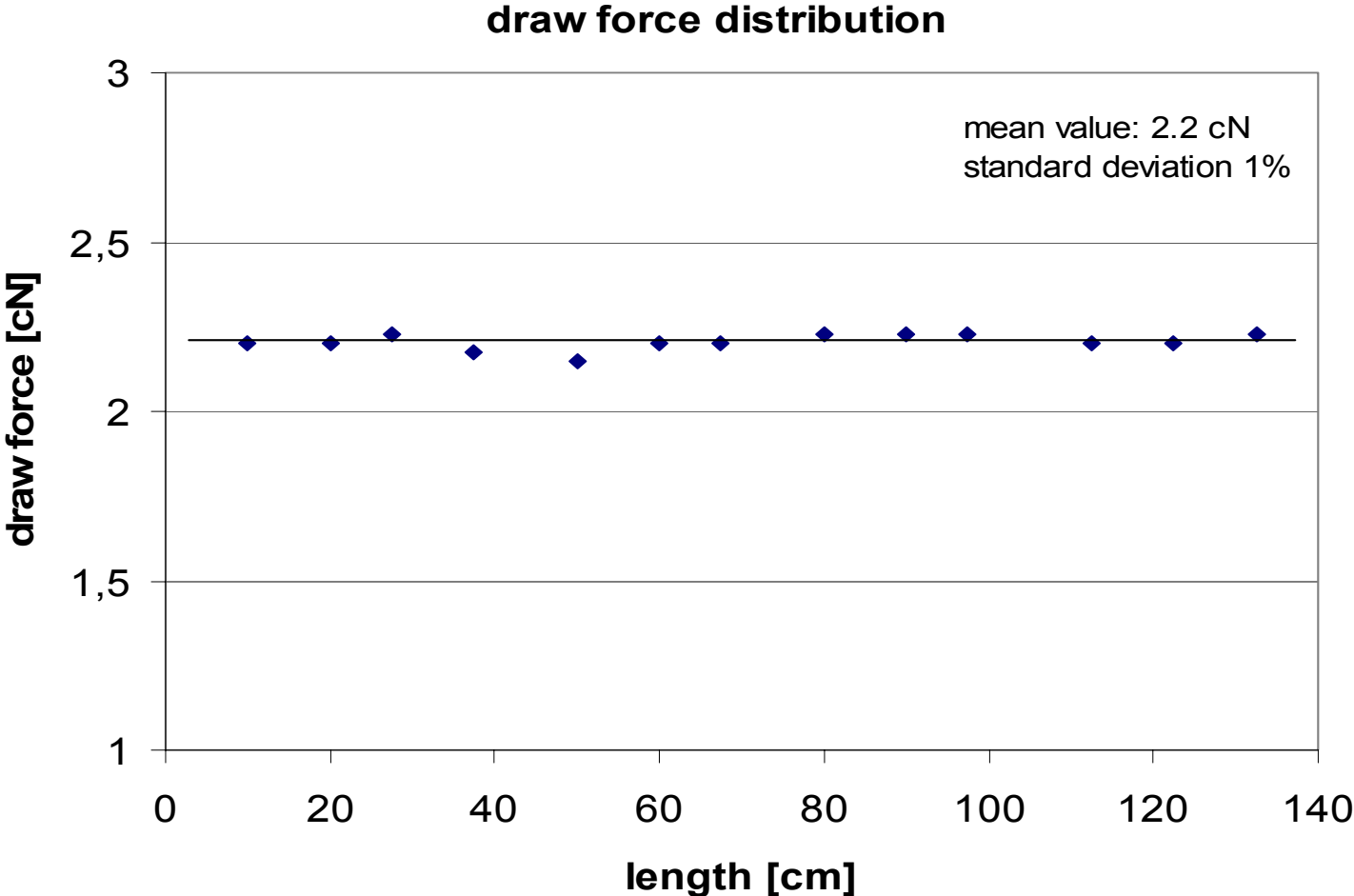
Equipment - Quench air



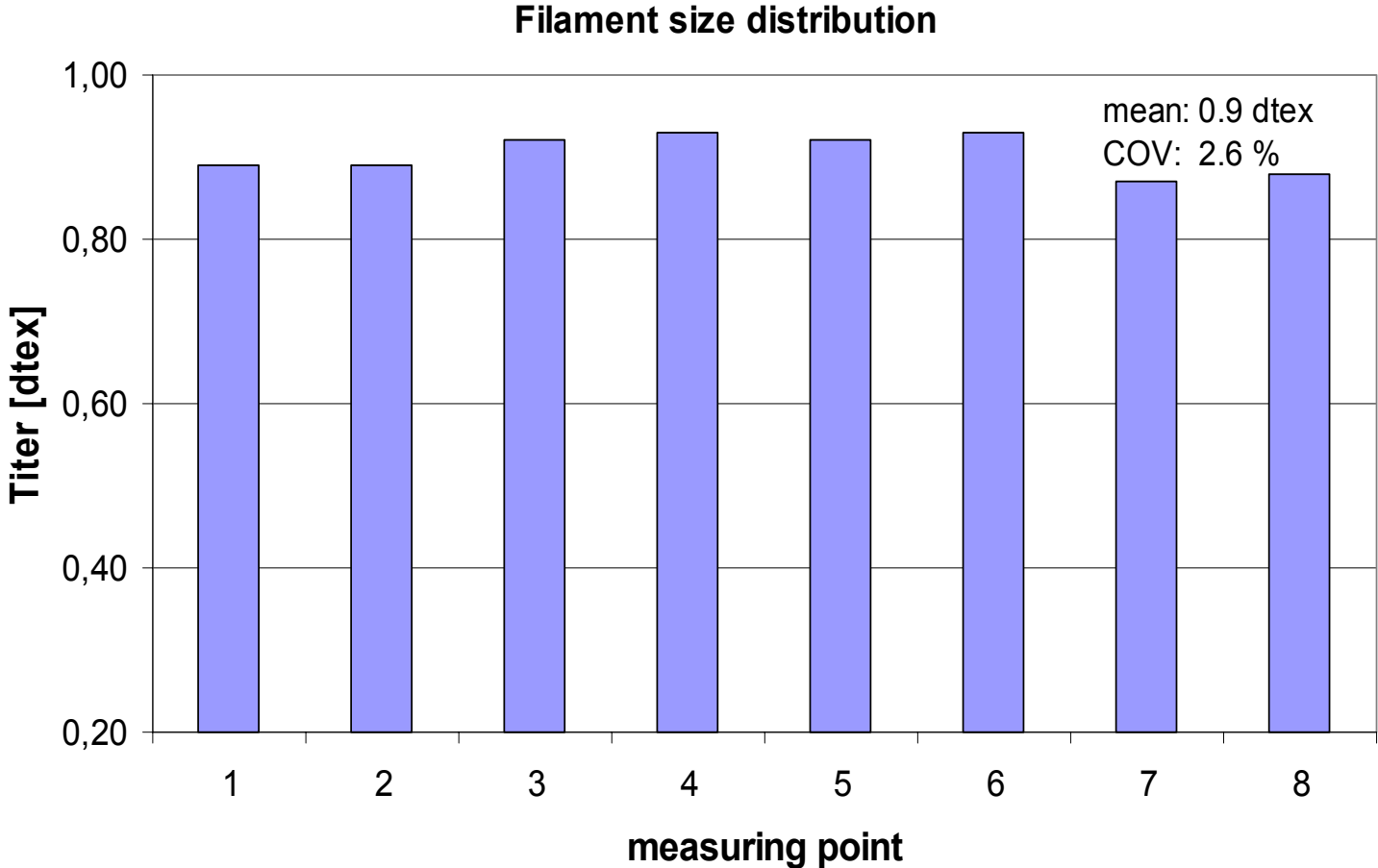
Equipment - Draw slot – design and simulation



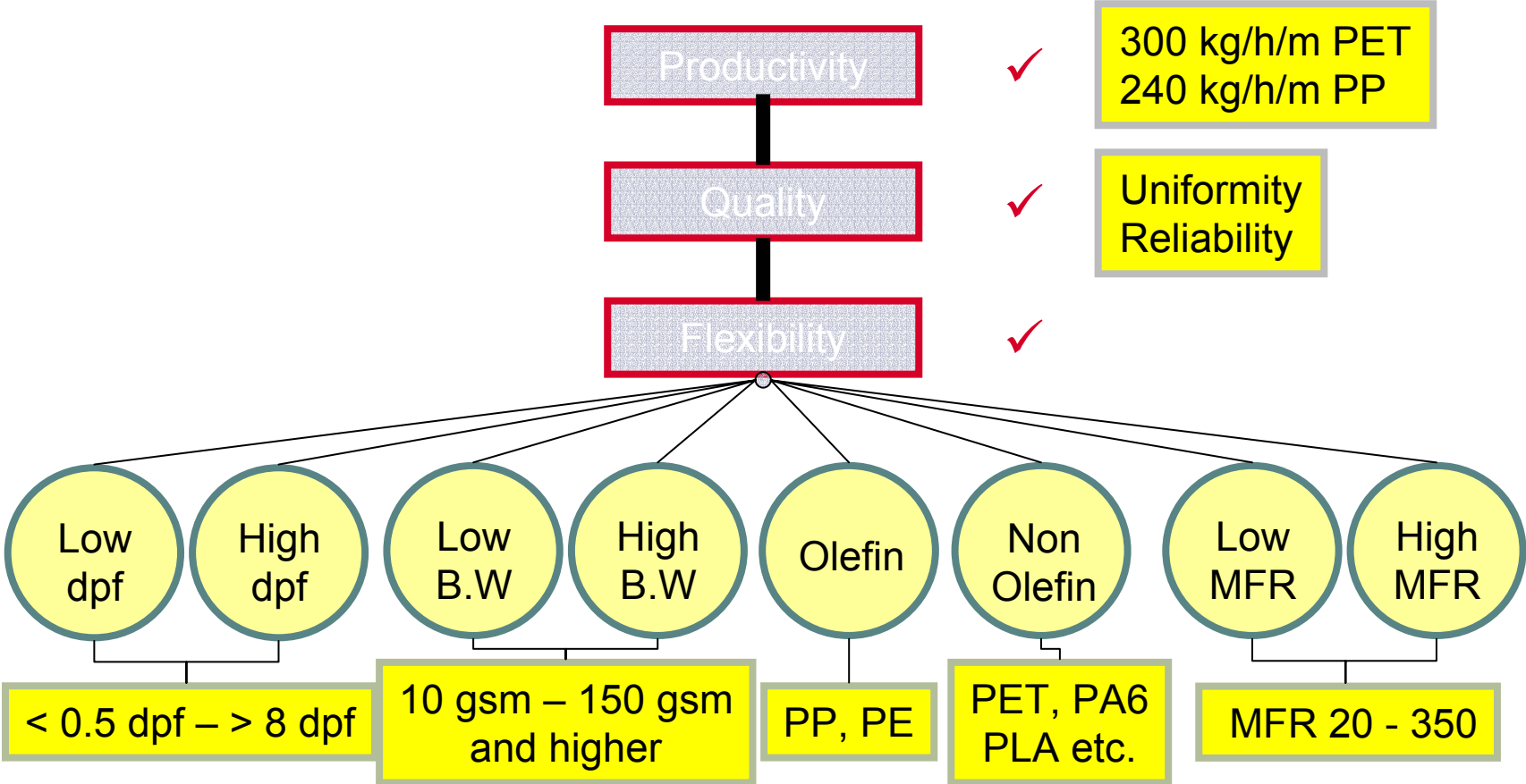
Equipment - Draw slot – draw force distribution



Resulting Filament Size Distribution



Conclusion



Spunbond Solution Center

- ▶ **Start of Erection
September 2003**
- ▶ **Availability in
January 2004**



- ▶ **Ason Spunbond Technology**
- ▶ **Nanoval**