

# SEFAR NYTAL®

## Solutions for Flourmills

**High Efficiency Bolting Cloth**  
Indonesia, Bali Oct 30th-Nov 1st 2011

By Andrew LOH

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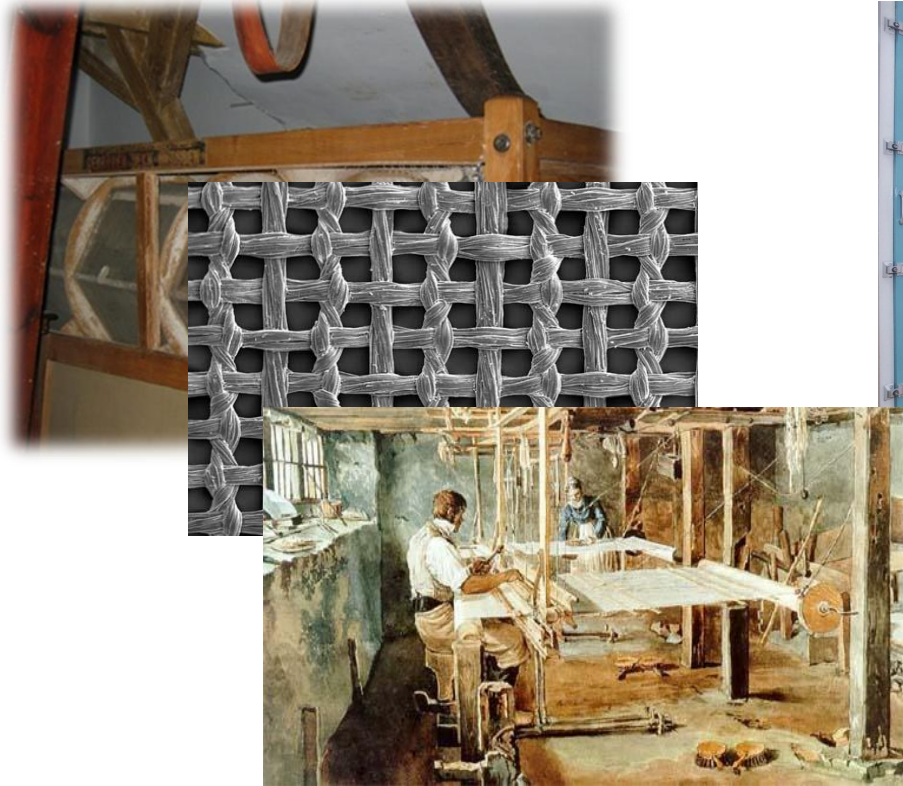
# Sefar Group at a Glance

- Turnover in 2010: CHF 343 Mio.
- Over 2,000 Employees world wide
- Fully integrated subsidiaries in more than 22 countries
- Since 2009 producers of monofilament fibres
- Worldwide leader in producing monofilament fabrics
- Customer specific solutions in industrial solid/ liquid filtration

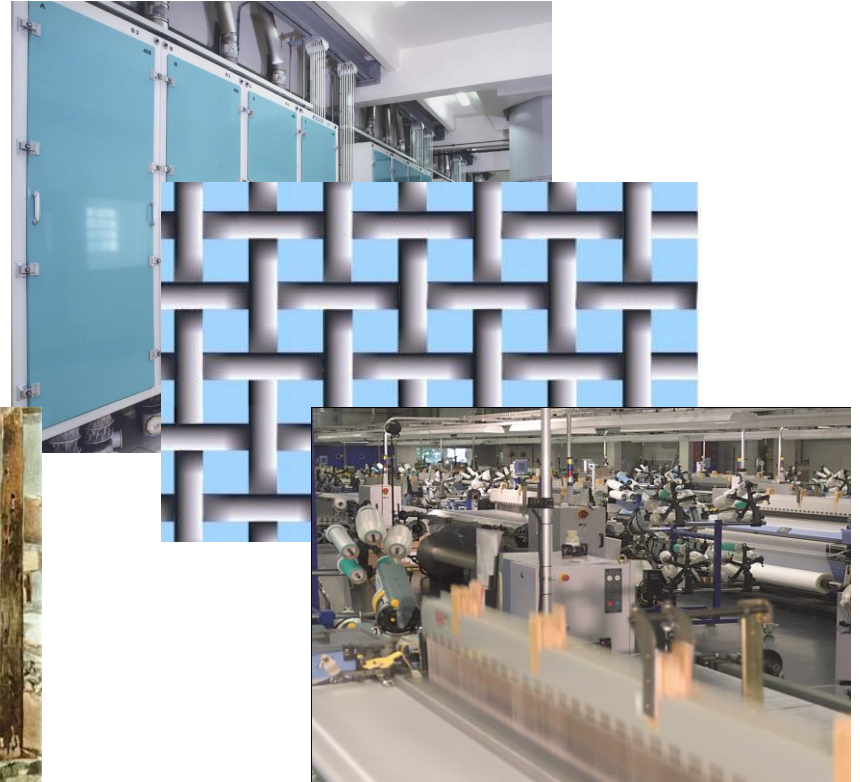


# Introduction

## Mills in the past



## Modern mills



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## 2.1 Sifter



Approx. 50 - 60m<sup>2</sup> of screen fabrics are needed for a 100 t / 24 h Mill  
The sieves are renewed approx. once a year

# Fabric program - coarse sieves

	Mesh opening	Screens Fabrics
Coarse	>900 $\mu\text{m}$	Wire mesh
	>900 - 300 $\mu\text{m}$	Polyamide Grit gauze
Fine	300 - 90 $\mu\text{m}$	Polyamide Flour sieves

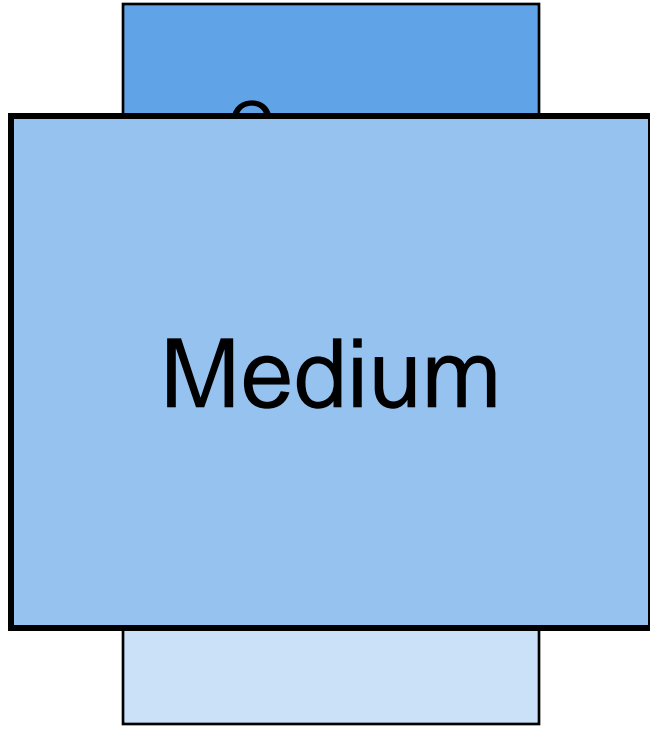
# Fabric program - coarse sieves

## Wire mesh



Stainless steel wire mesh is used for coarse or scalping sieves

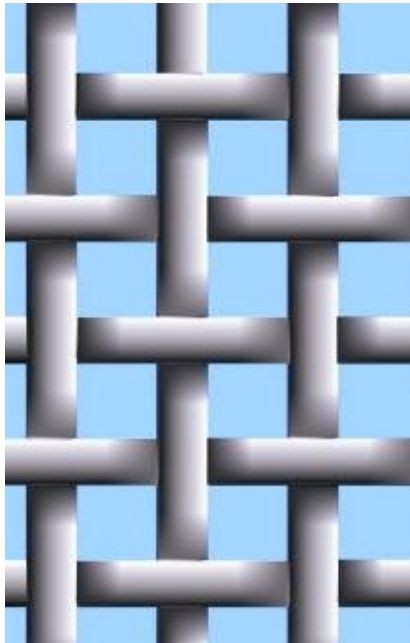
# Fabric program - medium sieves



	Mesh opening	Screens Fabrics
	>900 $\mu\text{m}$	Wire Mesh
Medium	>900 - 300 $\mu\text{m}$	Polyamide Gritgauze
	300 - 90 $\mu\text{m}$	Polyamide Flour sieves

# Fabric program - medium sieves

## PA-GG



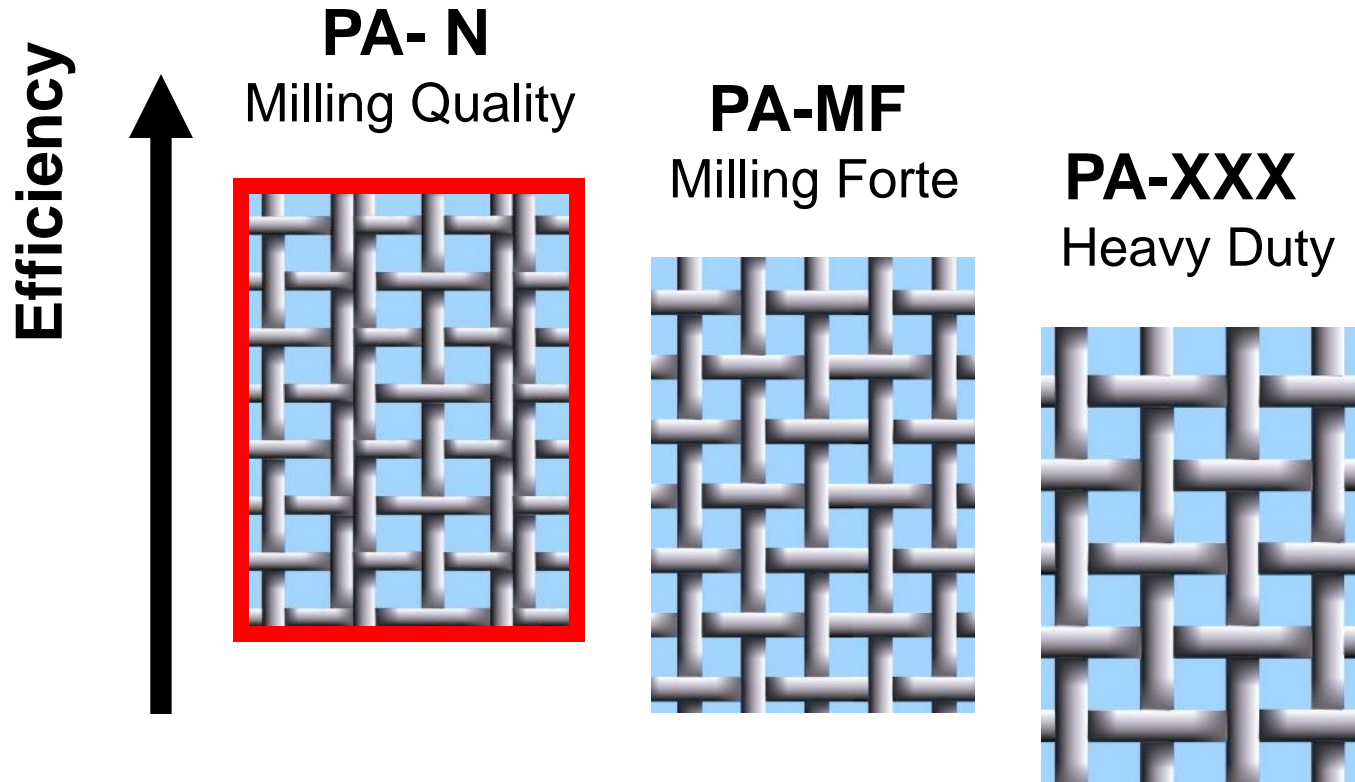
Polyamide Grit gauze is used for the coarse sieves

- good abrasive qualities
- long lifetime
- high efficiency

# Fabric program - flour sieves

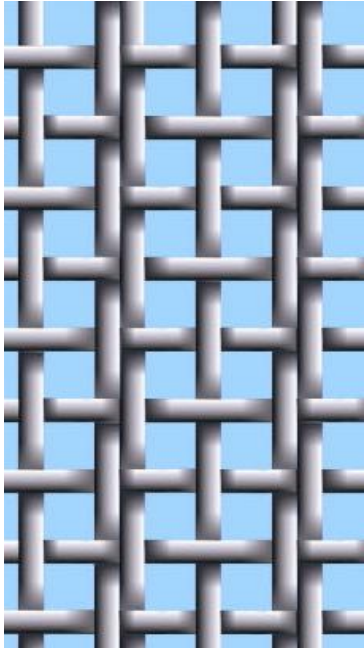
	Mesh opening	Screens Fabrics
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# SEFAR NYTAL<sup>®</sup> for flour sieves



# SEFAR NYTAL<sup>®</sup> for flour sieves

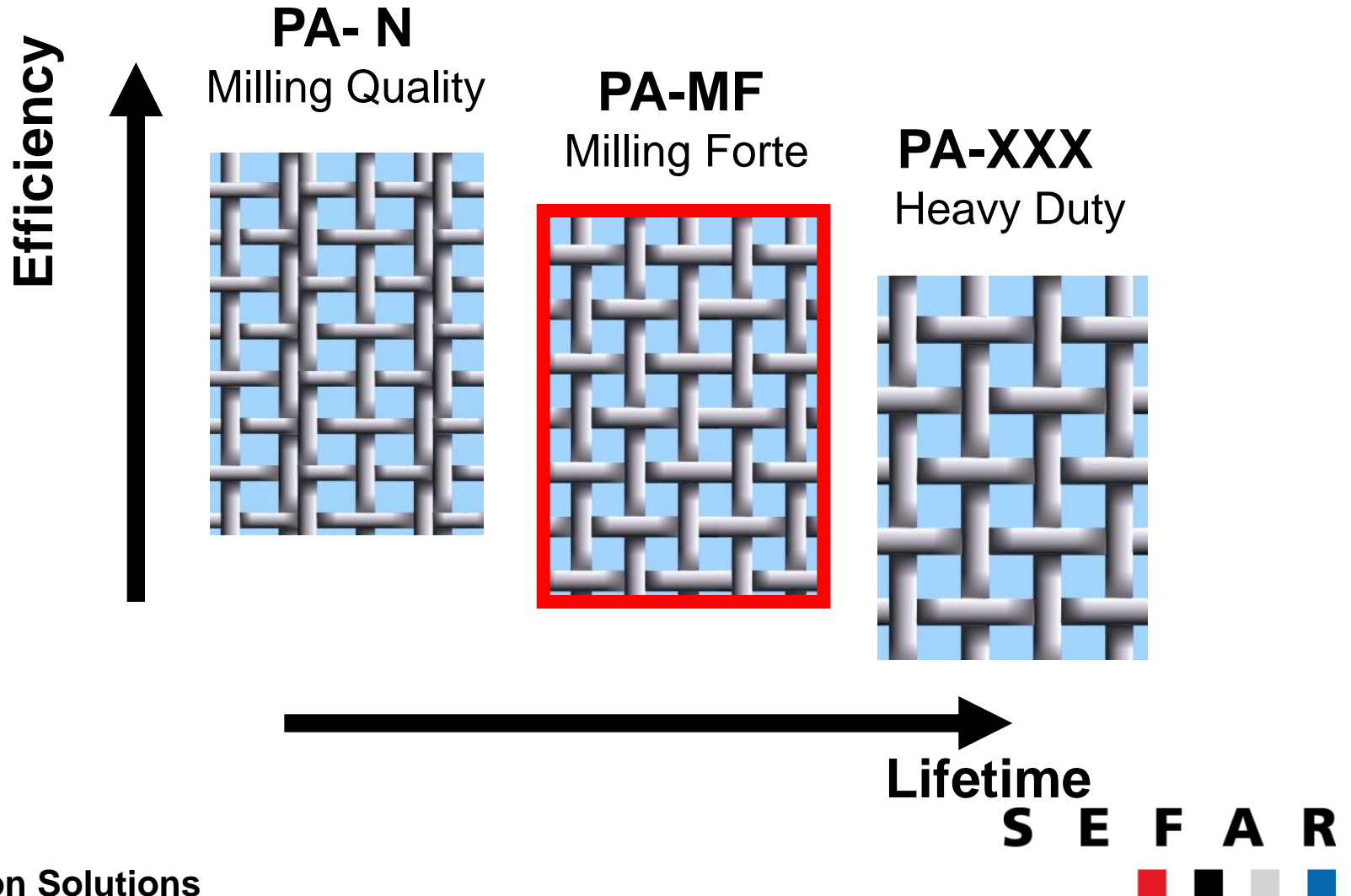
## PA- N



PA-N is used for soft wheat, biscuit and rye flour

- rough surface
- high percentage open area
- best sieving efficiency

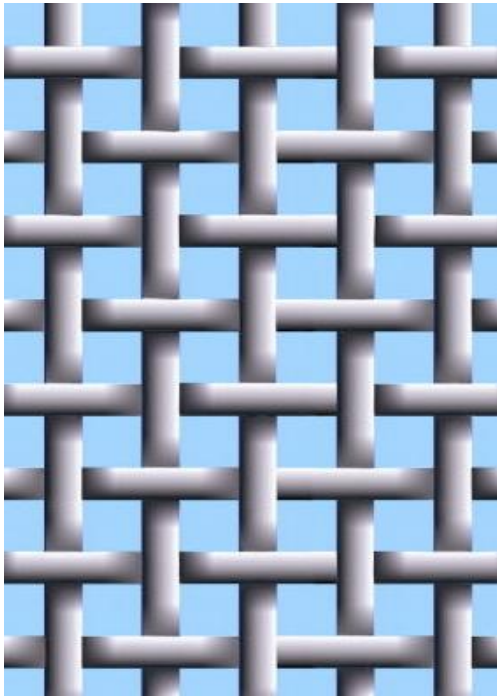
# SEFAR NYTAL® for flour sieves



# SEFAR NYTAL® for flour sieves

## PA- MF

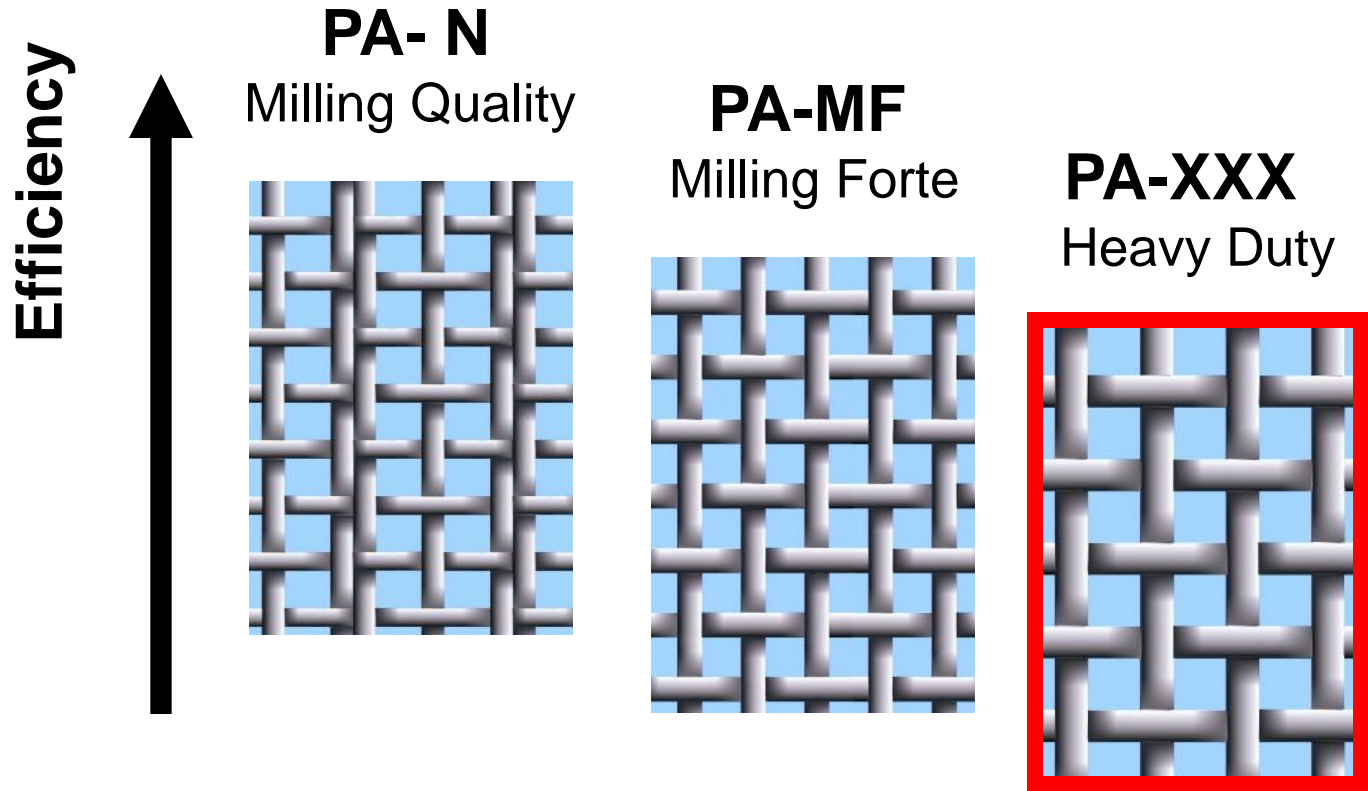
Milling Forte



PA-MF is used on metal sifter frames, where it is replacing the PA-XX/N quality

- best possible durability combined with high sieving efficiency

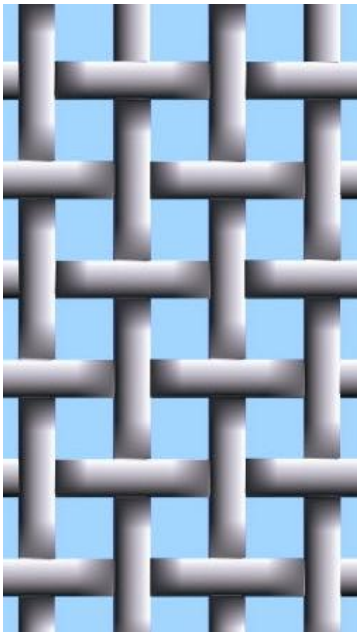
# SEFAR NYTAL® for flour sieves



# SEFAR NYTAL® for flour sieves

## PA-XXX

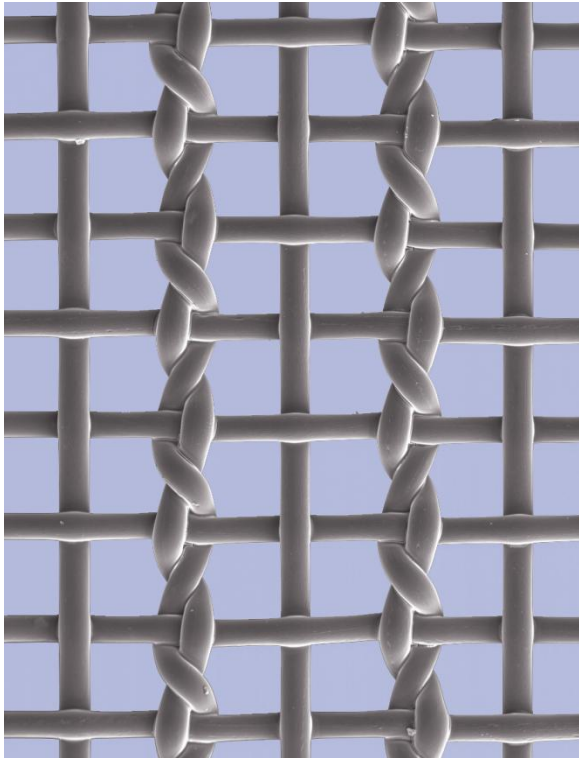
Heavy Duty



PA-XXX fabrics are used for harder types of wheat and Durum

- long lifetime
- good abrasion resistance

# SEFAR NYTAL® for flour sieves

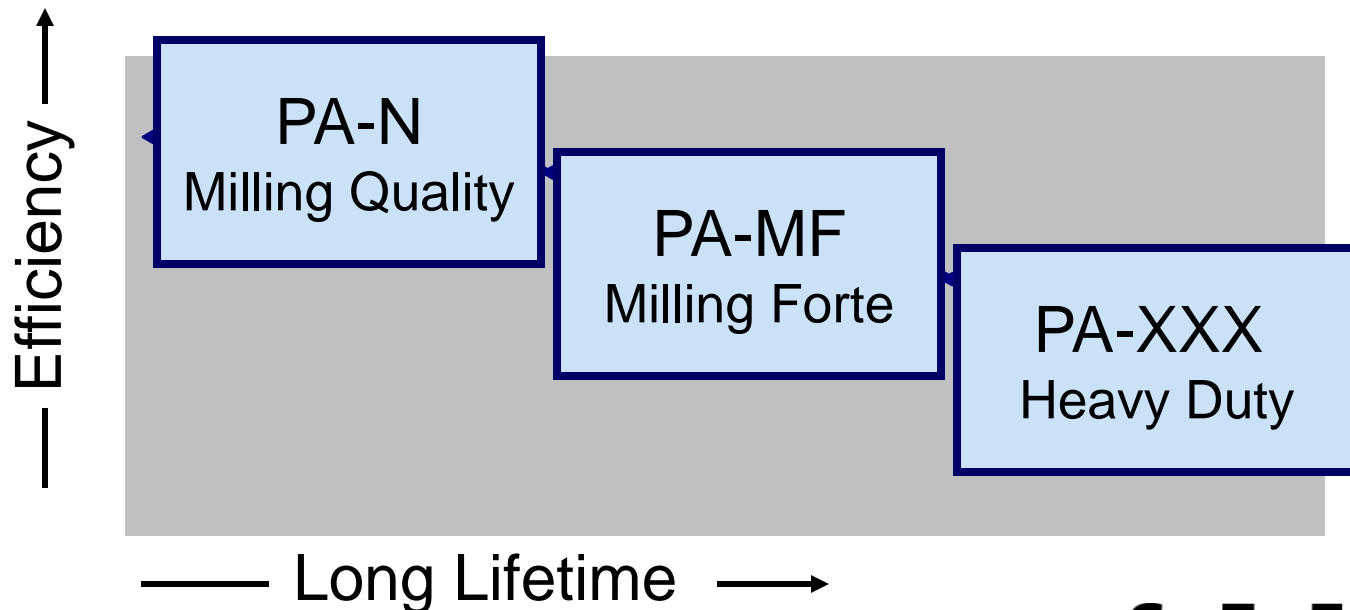


PA- Leno weave fabrics are used mainly for control sifting in soft wheat mills

- high capacity due to rough surface

# Fabric program - flour sieves

The hardness of the wheat and the constitution of the endosperm requires to choose the correct sieve fabrics. A decision has to be made between high sifting efficiency and long lifetime.



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### 2.1 Sifters

#### 2.1.1 Humidity influence on Polyamide fabrics

### 2.2 Purifiers

## 3. Stretching system

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## 2.1.1 Humidity influence on Polyamide fabrics

**Polyamide absorb up to 4.4%  
moisture**

We are able to influence this characteristic, to achieve

**higher tension**

OR

**Compensate for any humidity changes**

## 2.1.1 Humidity influence on Polyamide fabrics

**Humidify the mesh by either:**

Store the rolls or cut panels in a room or cupboard  
at higher (+70%) humidity

Leave the cut panel in a bucket of cold water  
for 1/2 hour

Take it out and leave it hanging for  
1/2 - 1 hour

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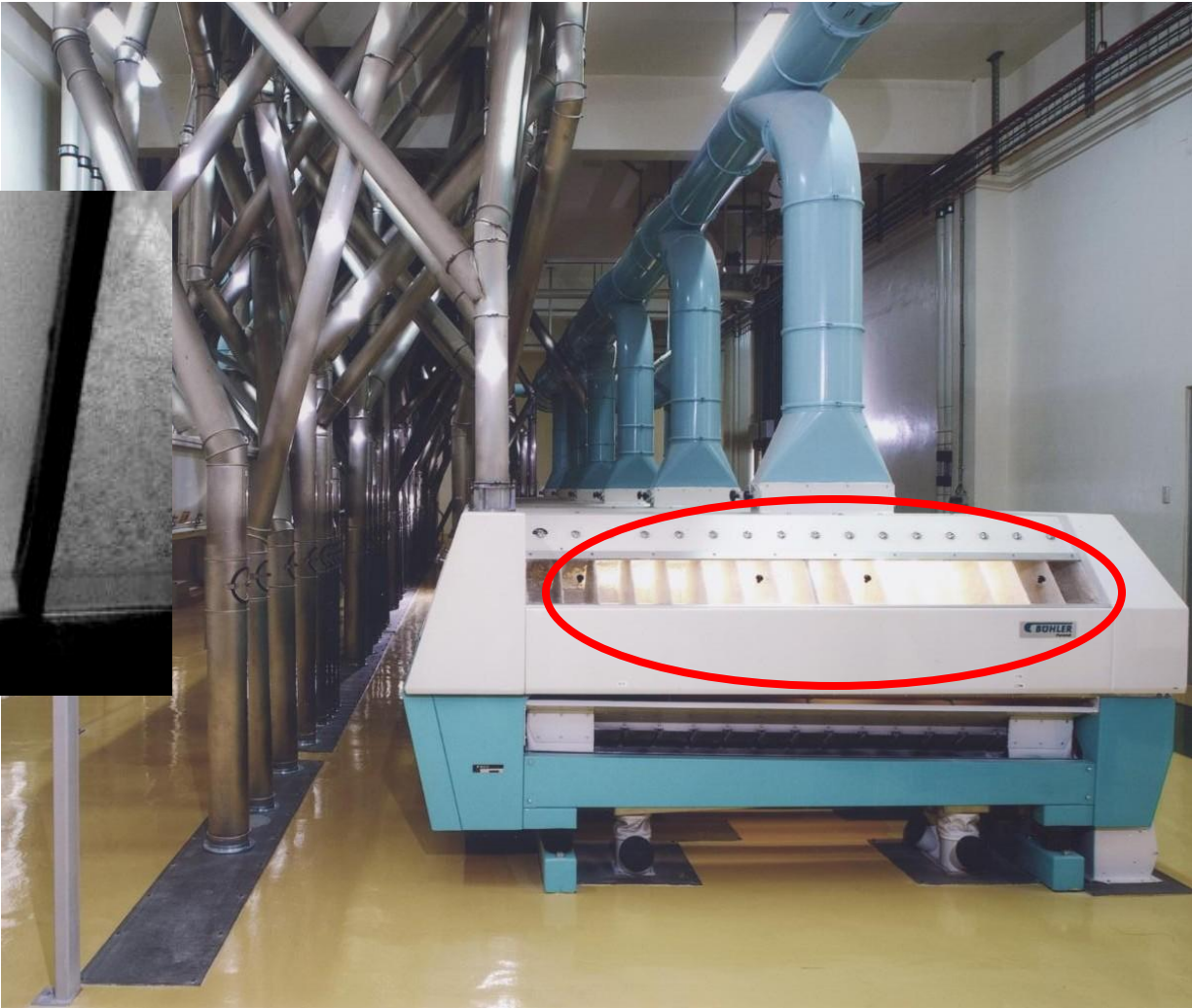
**2.1 Sifters**

**2.2 Purifiers**

**3. Stretching system**

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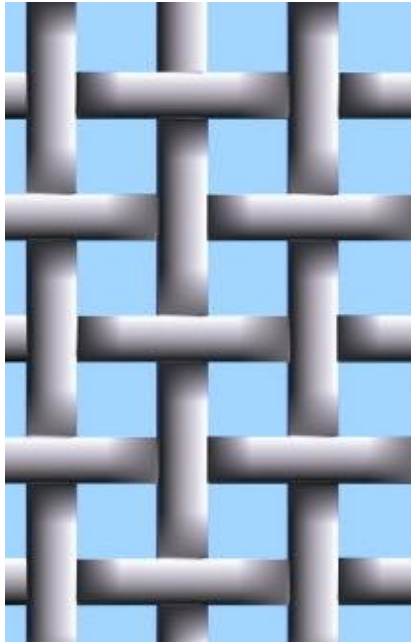
# 2.2 Purifier



# Fabric program - purifier screens

## PET-GG

Grit Gauze



The rough fabric surface makes the product remain longer on the sieve. This leads to better separation.

- hardly affected by humidity
- resistant to temperature changes
- keeps constant tension.

# 2. SEFAR - Solutions for Flourmills

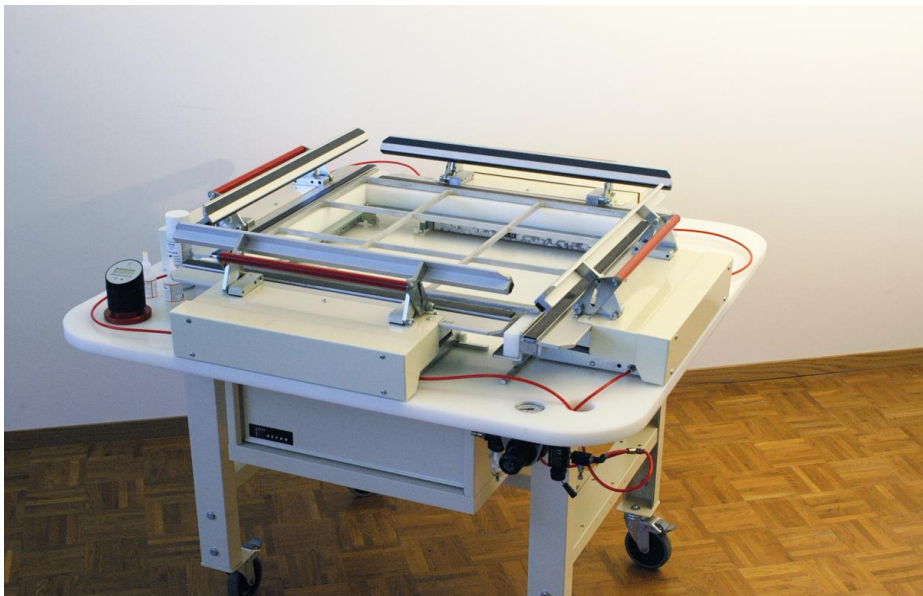
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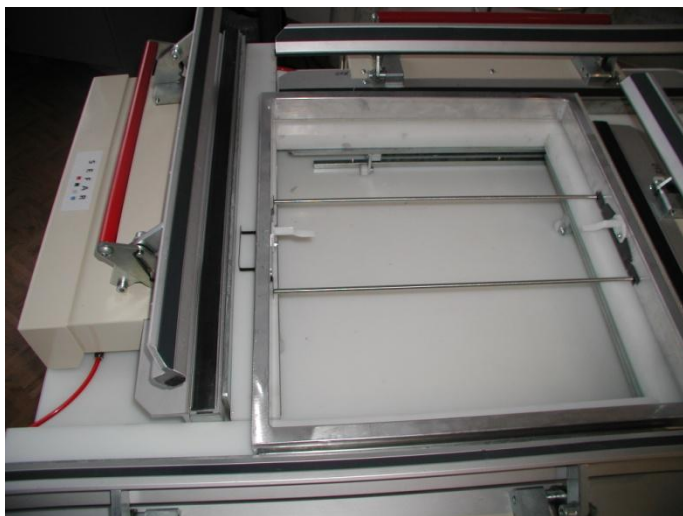
3. Stretching system

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# 3. Stretching system



Pneumapp 2 for  
1 or 2 frames



Filtration Solutions

**S E F A R**  
■ ■ ■ ■

### 3. Stretching system



Tensocheck 100-R

# 3. Stretching system

FDA-Certificate  
for our **Quicktal**  
adhesives

**S E F A R**  
■ ■ ■ ■

**DECLARATION**  
FDA - Compatibility


Customer : To whomsoever it may concern  
Product : Quicktal adhesives  
Sales no. : SEFAR Quicktal 5600, 5601, 5603 and 5604  
Product no.: 3100-5600 (5601, 5603, 5604)-030-00  
Date : 08. December 2010


Herewith, Sefar AG confirms the safety assessment of the products of the adhesives Quicktal 5600, 5601, 5603 and Quicktal 5604 based on the US Food and Drug Administration (FDA) regulations, specified in the Code of Federal Regulations (CFR part 21).

After a careful examination of the compounds of interest, it was concluded that the Quicktal 5600, 5601, 5603 and Quicktal 5604 products should fall under "Part 175-Inirect Food Additives: Adhesives and components of coating; Subpart C - Substances for use as components of Coatings". Table 1 of this section specifies testing that is required, based on the type of food that is in contact with the product.

When the Sefar AG products are in contact with dry solid food, "Table 1" specifies that for these products "...no cnc test is required". Therefore, the safety assessment of the Quicktal 5600, 5601, 5603 and Quicktal 5604 can be based on this statement.

Sefar AG  
Filtration Solutions

  
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Filtration Solutions

**S E F A R**  
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# 4. SEFAR program

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## 4. The ideal combination ...

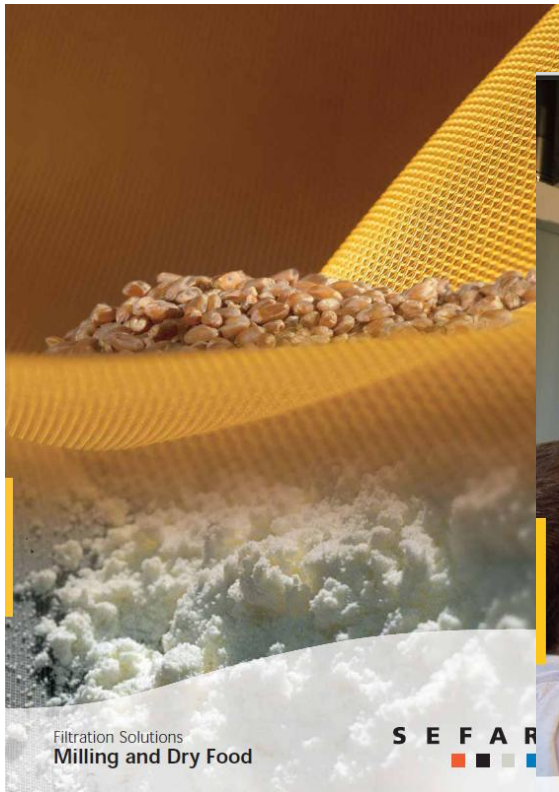
... is the  
**SEFAR**  
Solution



Filtration Solutions

**S E F A R**  
■ ■ ■ ■

# 4. Brochures on the internet



Please visit our website: [www.sefar.com](http://www.sefar.com)

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**Thank you  
for your attention!**