



# **ANDRITZ DEFLAKER FILLINGS**

**Serrated teeth give double-digit efficiency  
boost in world-first breakthrough**

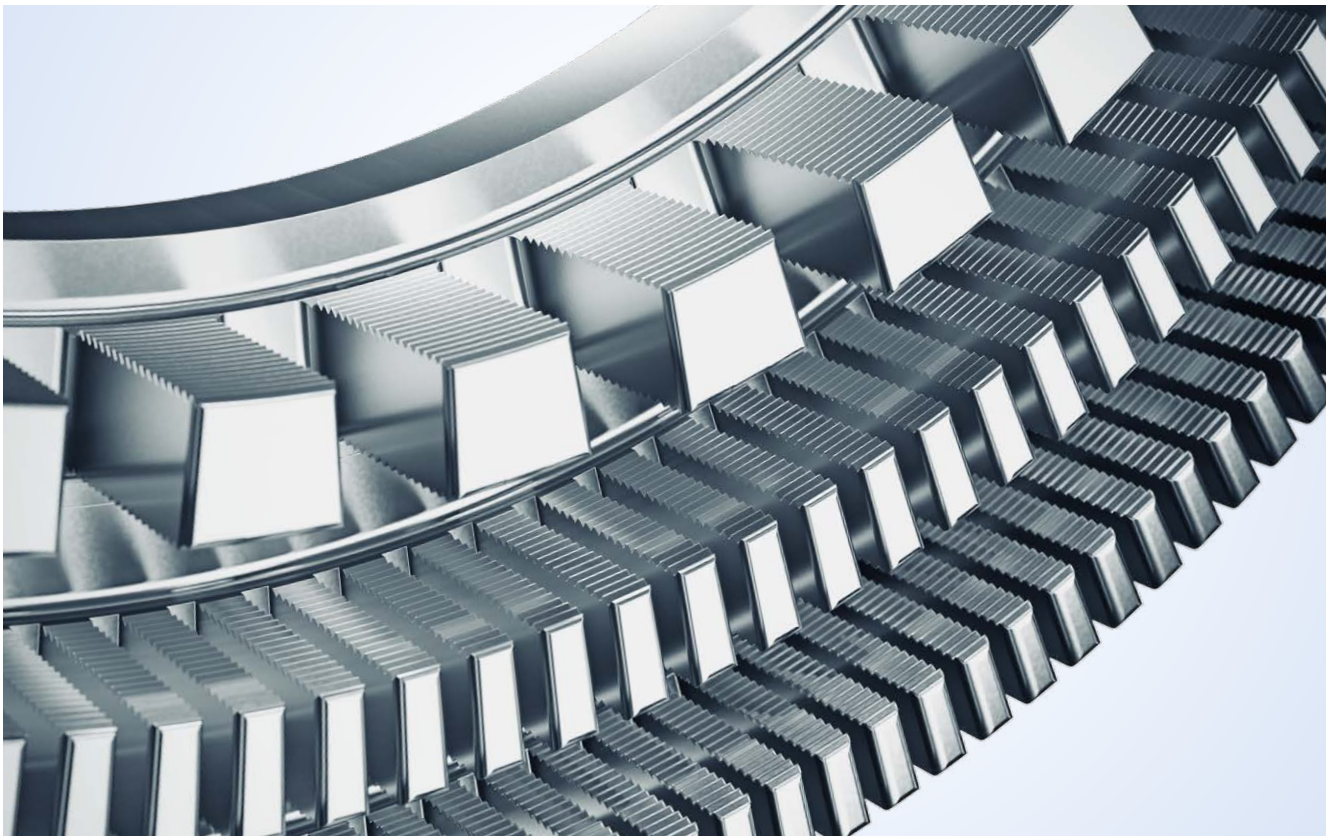
**PATENT  
PENDING**

**ANDRITZ**



# ANDRITZ Hyperflaker

Next generation deflaker fillings.



There are more than 2,000 stock deflaker units in operation at paper mills around the world. All of them use smooth, flat teeth of various densities – but there has been no real technological development in the past decades.

But now, with a world-first innovation, ANDRITZ upgraded this well-known technology on to the next generation. ANDRITZ is launching the HyperFlaker™ fillings, a new design replaces the traditional smooth surfaces on deflaker rings with a specially engineered serrated grooves profile.

The new patent-pending design has been shown to consume up to 10KW less energy and improve deflaking efficiency by at least 10% (and often more) compared to the current designs. These results are con-

sistent at all levels of operating consistencies. Put another way, this upgrade gives more deflaking effect for the same amount of energy. That means fewer fiber clumps travelling from your pulper or broke line into your process, and a more homogenous supply of fiber stock going onto your paper machine. The improved deflaking efficiency provides an opportunity to reduce pulping time and energy, thus increasing the overall efficiency of the process.

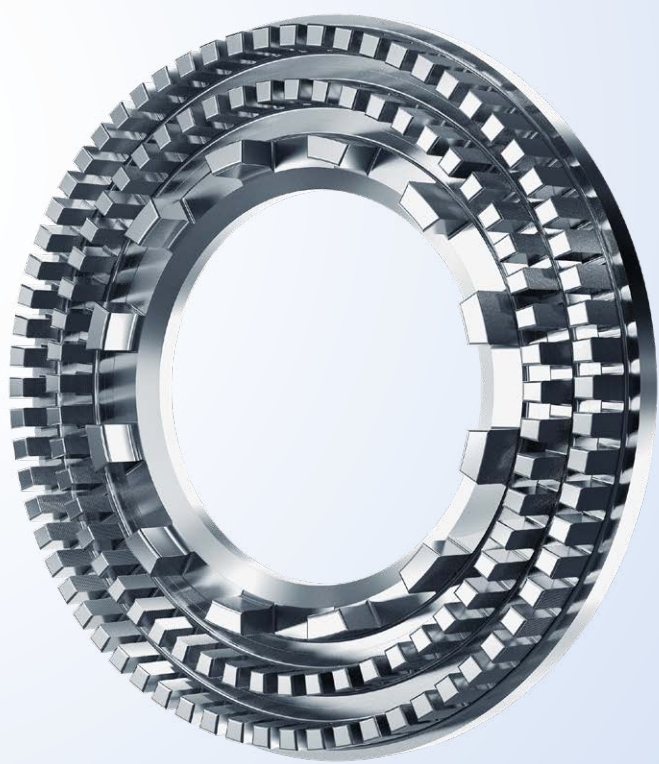
**BENEFITS**

- 10-15% better performance per each pass through the deflaker
- Lower energy consumption
- Better shearing out of the flakes
- Reduced hydraulic frictional losses

A18X Rotor

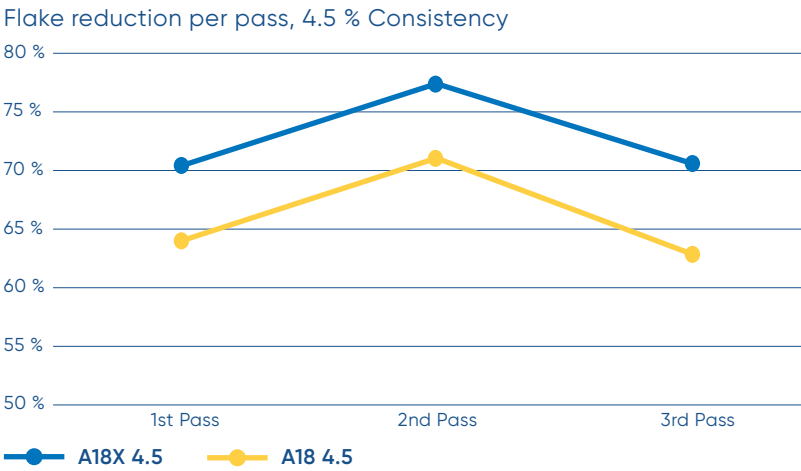


A18X Stator



This breakthrough design from ANDRITZ can be installed on disc and conical deflakers from any manufacturer, with a broad range of bar densities suitable for all stock-preparation and broke-handling processes (virgin fiber or recycled grades, coated broke, wet-strength papers, flash dried mechanical, chemical pulp, etc.).

**In pilot plant trials, the new HYPERFLAKER product exceeded efficiency per pass by more than 10% compared to standard fillings.**



Available Designs	
Standard	Hyperflaker
M18K	M18KX
O18K	O18KX
U18K	U18KX
US18K	US18KX
MS18	MS18X
M18	M18X
O18	O18X
U18	U18X
US18	US18X
S18K	S18KX
T18K	T18KX
AS18K	AS18KX
C18K	C18KX
D18K	D18KX
DS18K	DS18KX
AS18	AS18X
A18	A18X
B18	B18X
C18	C18X
D18	D18X
DS18	DS18X
H18K	H18KX
G18K	G18KX



## **FOR AN EASY, LOW-COST MODERNIZATION THAT WILL TRANSFORM YOUR DEFLAKER TO THE NEXT GENERATION, CONTACT THE KEY ACCOUNT MANAGER RESPONSIBLE FOR YOUR REGION.**

We will take up your challenges! For more information about ANDRITZ's services, please visit [andritz.com/refiner-plates](https://andritz.com/refiner-plates) for details.

### **EUROPE**

ANDRITZ Fiedler GmbH  
Regensburg, Germany  
p: +49 941 6401-0

### **SOUTH AMERICA**

ANDRITZ Brasil Ltda.  
Curitiba, Brazil  
p: +55 41 2103-7601

### **NORTH AMERICA**

ANDRITZ Inc.  
Muncy, USA  
p: +1 570 546-8211

### **CHINA**

ANDRITZ (China) Ltd.  
Foshan, China  
p: +86 757 8296 9222

**ANDRITZ.COM**



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