



Under the name smartcel™ filaments we produce cellulose monofilaments for brushes industry based on smartcel™ technology.

## Trendsetting technology

By adding organic and inorganic additives the filaments obtain additional functions thus offering versatile possibilities of application. Combinations of different additives are possible too. smartcel™ filaments' high temperature resistance (short-time up to 175° C) is only one advantage of this fascinating material. Cellulose disintegrates residue-free thus keeping the abrasive fully effective at all times.

Manufactured from renewable resources, biologically degradable and thus ecologically valuable makes smartcel™ filaments the fill material of the future.

## Versatile fields of application

### smartcel™ filaments with diamond powder

Diamond powder treated, the filament represents an extremely hard tool. Polishing, grinding or deburring of the hardest materials hard metal, ceramics or sapphire thus becomes child's play.

### smartcel™ filaments with silicon carbide

In combination with silicon carbide, the filament develops features that perfectly suit polishing, grinding or deburring of all metallic or non-metallic materials.

### smartcel™ filaments with silver ions

By adding silver ions, the filament develops an antibacterial effectiveness. With no chemical additives added, «hygiene» arises as a new field of application for the brush industry.

### smartcel™ filaments with seaweed powder

New manufacturing processes make the filament the ideal material for wellness and health products. While brush massaging, valuable minerals that tend to the skin are released.

### smartcel™ filaments with carbon

Incorporating carbon, the filament obtains high conductivity. Thus the products are suited for discharging electrostatic charge.

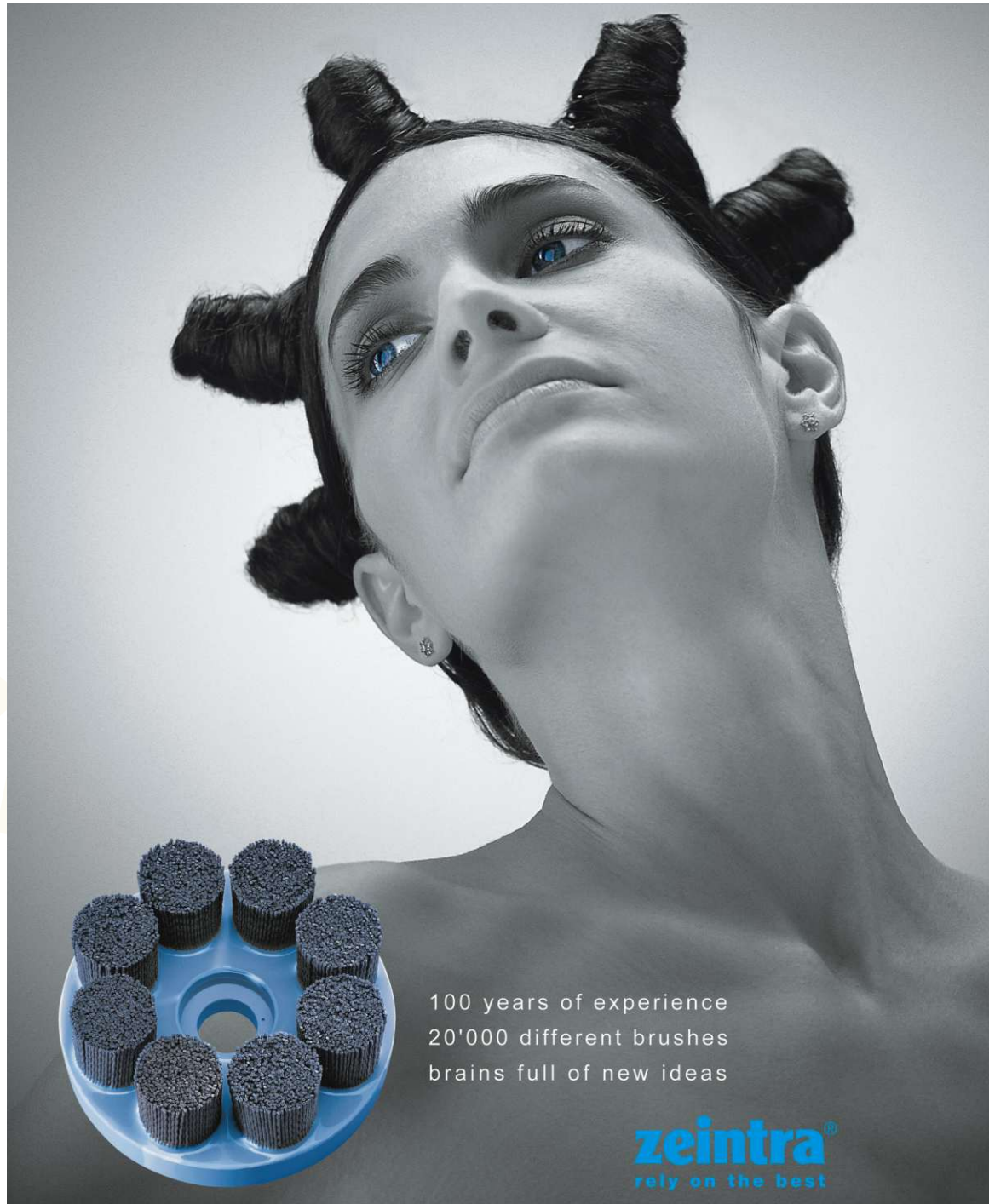
## Customer specific products

In addition to these standard type products, we welcome the development of customer specific filaments. We develop custom-made features according to your specific requirements and fields of application.



Our exclusive partner

filaments



100 years of experience  
20'000 different brushes  
brains full of new ideas

**zeintra**<sup>®</sup>  
rely on the best

Our exclusive partner

zeintra AG, Switzerland's market leader in technical brushes, is our exclusive partner for smartcel<sup>™</sup> filaments. zeintra AG stands for know-how and commitment.

zeintra AG  
Functional filaments  
Feldstrasse 4  
CH-9500 Wil  
+41 (0)71 913 90 30  
+41 (0)71 913 90 20  
www.zeintra.ch  
info@zeintra.ch



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