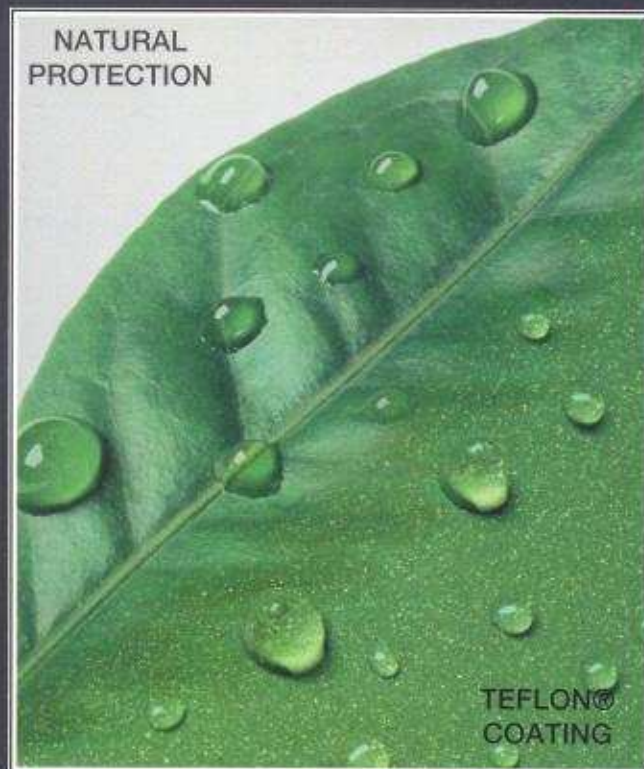


We can offer what is  
already available  
from nature



protection



A DIVISION OF PRAXAIR SURFACE TECHNOLOGIES



# SMALTIRIVA

## EUROPE'S No.1 IN SURFACE COATINGS

Having grown from a porcelain enamel applicator founded on 1st April 1969, Smaltiriva, today a division of Praxair Surface Technologies, operates from 4 different factories located in Monte Marenzo near Lecco (two), North of Milano, as well as in Mantova and the new Rimet plant in Monte di Malo, near Vicenza. Smaltiriva processes all type of Teflon® coatings, such as PTFE, PFA, FEP and EFTE applied from small parts in large volumes to big parts in one-off projects such

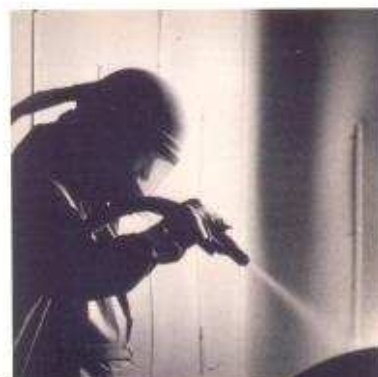


as cylinders and vessels. Besides large tunnel ovens for full robotic mass production Smaltiriva can handle parts up to 10 meters length and weight up to 20 tons. Anti-corrosive coatings as well as non-stick hard matrix coatings including plasma technology are also applied: in particular the unique and

exclusive Plasma Coatings® a special non-stick and wear resistant coating. Smaltiriva is also leader in research and application of the world famous SBS® Bakeware Technologies: a range of non-stick coatings for oil-free baking.

The parts to be coated can have different shapes and can be made of a variety of materials:

- ✓ Steel and steel alloy
- ✓ Cast iron
- ✓ Aluminium and cast aluminium
- ✓ Sintered metals
- ✓ Ceramics
- ✓ Carbon fibers
- ✓ Glass



and in general all those materials that resist without melting, deforming, softening at the sintering temperatures, necessary for the coating.



Smaltiriva is a forerunner in «Quality Assurance» having obtained its first quality certificate in May 1993. Today Smaltiriva works in compliance with the standard UNI EN ISO 9001:2000.

### SMALTIRIVA COATINGS:



#### SR Non-stick

Coatings with maximum non-stick, easy-to-clean properties to prevent sticking, or to enable to clean away rapidly.



#### SR Dry Lube

Coatings with extremely low coefficient of friction, applied to guarantee dry lubrication in the most critical conditions.



#### SR Anti-corrosion

A range of polymer fluorinated of high technical characteristics withstanding attack of most chemicals even at high temperature.



#### SBS® Bakeware Technologies

Advanced non-stick, easy-to-clean coating systems used in baking and bread manufacturing industries for oil-free baking.



#### Plasma Coatings®

Hard matrix non-stick coatings offering superior wear and abrasion resistance. Also special version with high coefficient of friction to improve traction.

The characteristics of the materials employed and the sophisticated equipment available allow Smaltiriva to be the indisputable leader in coating smaller as well as bigger parts for various industries:

**PAPER INDUSTRY**

Wear resistant, non-stick coatings for dryers and guiderolls. Special traction coatings for winders.



**PRINTING, CONVERTING**

Non-stick and special conductive coatings of vats, ink pots, machine frames, air bars, exhaust fans.

**TEXTILE, DYEING**

High performance coatings for sizing cylinders, dryer cans, idler rolls, dyeing troughs, etc.



**WOVEN-NON-WOVEN**

Coating of cylinders and parts of machines used in production of woven-non-woven.

**CHEMICAL, PHARMACEUTICAL**

Anti-corrosion, easy-to-clean coatings for vessels, reactors, tank, agitators, etc.



**AEROSPACE**

Special coatings for rotor blades, fuel filters, mandrels for straining solid propellant, etc.

**AIR TREATMENT**

Off gases treatment, flue-gas solid waste incinerator, corrosive gases.



**ENVIRONMENTAL**

Primary and secondary water treatment systems (scrubbers, filters, valves, etc.).

**RUBBER, production and moulding**

Non-stick coatings for rubber production (SBR,NBR,EPDM,etc.) and moulding.



**PLASTIC, production and moulding**

Non-stick coatings of PE and PP production vessels, coated moulds for flat and rotomoulding technology.

**AUTOMOTIVE**

Dry lubrication coatings for internal mechanical parts and non-stick coatings for body parts production.



**MECHANICAL**

Dry lubrication coatings for bolts, fasteners, metal plates, ducts, valves, filters, heating elements, etc.

**SANITARY INDUSTRY**

Coatings of various components like valves and faucets to prevent build-up of calcium and to allow dry lubrication.



**FOOD INDUSTRY\***

Non-stick coatings for rounders, screws, forming rolls, cheese moulds, hoppers, etc.

**HOUSEWARES and APPLIANCES\***

Non-stick coating for pots and pans. Coating of small electrical appliances.



**BAKING INDUSTRY\***

Trays and moulds coated with non-stick SBS® Bakeware systems to suit all baking needs.



\*Non-stick coatings approved according to International food contact standards.