Many customers already profit by this method.

Agents wanted for
- USA
- Mexico
- Africa
- Middle East
- India
- Australia

Highest Standard For
SAFETY

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1. The first step is to slide the controlled process: it is a fully computer-controlled open cell structure. It is made up of layers of foam and thereby creates the fine membranes in the explosion which destroys reticulatus™, making the system completely different to any previous solutions.

2. A vacuum pump creates a vacuum in the pressure chamber. Sensors ensure constant conditions and test continuously during the process.

3. Next, a detonating gas mixture is fed into the chamber, also computer controlled and in an exact dose. This exact, and in view of the results, refined procedure, is the main feature of Reticulatus™, making the system complete different to any previous solutions.

4. After the detonating gas mixture is fed into the chamber, the system announces that it is “ready to ignite”, as soon as all necessary parameters are reached. The operator can then release the controlled explosion by pressing the button.

5. The controlled explosion ensures that a uniform flame front sweeps through the foam, breaking up the cell structures and produces the required open cell structure.

6. Subsequently, the foam should cool off for a short period and briefly damped with nitrogen to put out any potentially remaining fire pockets.

7. Afterwards, the chamber opens, the foam can be removed and further processed.

The entire process lasts approx. 8 to 10 minutes and can be carried out by almost any semiskilled worker. Reticulatus™ meets the latest explosion protection regulations like ATEX 94/9/EG and is also ASME and UL certified, therefore it complies with all international regulations. In addition, every explosion chamber is MOT/TÜV inspected to ensure its operational safety.

Safety first
Every morning, the system carries out a tightness test on all components during the automatic program-me start. Furthermore, automatic reminders of due servicing dates are generated. Especially advantageous is the option of remote servicing via modem which allows a remote programming and replacement of the receptors via email or data transfer.

Reticulatus™ - quality made in Germany
ATL schubs GmbH is based in Hamelin, Germany and the only manufacturer of reticulation machines world-wide. The company was founded in 1996 as a joint-venture by the managing directors Axel Schulz and Jörn Struckmann. Both are owners of their own business, too. While Schulz is leading an electrical engineering firm, Struckmann heads a metal work company for special purpose machinery. Consequently, all needed resources and magnitude are at their disposal. Not only to develop the Reticulatus™, but also to build it, completely autonomously - exactly to customer specifications.

In the first six months of 2012, five reticulation machines will be delivered and installed. And all previous delivered machines are still in operation worldwide - in Germany, Switzerland, South Korea, Japan, India, China, Thailand and the USA.

Even manufacturers and converter of synthetic foams are customers of ATL schubs, not only because of the safety concept that ATL schubs GmbH offers. Up to now, the company has not come across a single competitor that has a comparable solution to the Reticulatus™.

Experience reticulation first hand
With a laboratory machine the company offers the opportunity to test the customer’s foam with different pressures levels and detonating gas types at their plant. The machine offers an explosion chamber with the size 400 x 400 x 800 mm. Now it is up to you to experience the reticulation process first hand.