

OKULEN®



Semi-finished and finished
components manufactured
from industrial plastics



Greetings – We are OKULEN.

Employing 185 people in our fully equipped machine shop, fabricating top quality products.

We develop and manufacture industrial plastics and deliver them to over 50 countries world wide in either semi-finished sheets or quality finished components manufactured to customers' specifications.

We are not a large corporation but a solid medium sized business allowing us to be of service at any time. We will continue to strive for quality products, short delivery times, extraordinary innovations, quality assurance and the reliability that our customers require and appreciate.

We are OKULEN.
How may we help you?



213



We have two facilities in Ahaus-Ottenstein, Germany and also own a facility in Clearwater Florida, USA.



A man with glasses and a white shirt is looking down at a large roll of corrugated material in a factory setting. The background is blurred, showing industrial equipment and lights.

Our best Asset: Common Sense.

Stefan L., Strips and Profiles Production

The names of OKULEN's polyethelene products are **OKULEN**® 500, 1000 and 2000. These products have a large number of useful properties as do our PVDF, PTFE, PFA and PP plastics. Our high standards of quality make all of the above a very reliable product. This standard of quality is true for every aspect in our business as we implement various services for customers entirely in – house such as custom tooling.

Versatile Materials.

OKULEN's high and ultra high molecular weight polyethylenes have inspired several changes in machine and plant technology, in conveyor and electrotechnology, in the chemical, paper and food industry as well as in fendering systems for marine applications, etc. etc. etc.

All from a single source.

The OKULEN infrastructure is capable of accommodating every customers' needs. We have our own laboratory for research, development and quality control. We also have a state of the arts production plant for the manufacture of semi-finished goods and our own machining plant for the processing of high quality finished components.

415

OKULEN® 1000 and 2000 grade materials are resistant to wear and abrasion due to their excellent anti friction properties. They stand up well to mechanical stresses and are a great insulator against sound. In addition to the above uses, they are also usable in the food industry. The versatility of these products, the **OKULEN®** 500, 1000 and 2000 ranges, makes it the best alternative to other traditional materials.




Our capabilities of supplying our customers from a single source, whether it is semi finished products or the development of new products, allows us to be most cost effective.



The high quality components which can be made from today's plastics can generate new savings in areas of various industries.



A man with dark hair, wearing a striped polo shirt, is shown in a close-up, looking down intently at his work. He appears to be in a factory or workshop, with blurred machinery and equipment in the background. The lighting is soft and focused on his face and hands.

At Okulen we don't talk to much.
We get on with it.

Günther W., Ski Sole Production

OKULEN's first products were ordered primarily by the leading ski manufacturers. Skisoles made of **OKULEN**® 1000, our ultra high molecular weight polyethelene, have excellent gliding properties, therefore it is the ideal product for making skis go faster. Speed and flexibility are key factors at OKULEN.

On demand – anytime.

We also provide top speed when you are in a hurry. OKULEN is just the right size to react quickly and efficiently. Our three shift system and intelligent planning make us agile and productive.

On time deliveries.

Okulen is able to manufacture to customer's specifications should it be for just in time or on demand delivery. We carry a full range of stock of other industrial plastics for prompt delivery. Our warehouse enables us to meet our customer delivery requirements in an efficient and timely manner.

617

**OK 500 and OK 1000 can
be delivered quickly in any
colour.**




**Because things sometimes
have to go fast OKULEN pay
special attention to organised
warehousing, so that we can
react quickly to rush orders.**



**At OKULEN we are also fast and responsive on account
of our variety of CNC plants, for example a five axis
CNC machine for complex machined components.**



A man in a plaid shirt is working in a laboratory. He is holding a tool and looking at a large white object. The background shows a control panel with digital displays showing '250.22'.

In the plastics industry it is not enough to offer just versatile materials but materials that support our customers' needs for requirements today as well as any future needs. OKULEN has it's own research and development division which is essential to meet customers' future needs.

Many ideas come across hit table – but only the best pass his tests.

Anton H., Quality Laboratory

New ideas.

Plastics have always been underestimated in the past as a material used in machine construction, however, our engineering department helped to make this change. For example, OKULEN has been able to develop stress and wear resistant joints between metal and plastic which leads to a less expensive but stronger alternative in the building of pumping equipment.

Our own recipe.

OKULEN has taken and followed a unique path in the mixing and preparation processes. We not only rely on the usual mixtures but are continuously striving to develop improved combinations to achieve even better material properties. We even developed our own tooling for the in our state of the art equipped CNC-Machineshop. This know-how enables us to ensure quality and quick modification of our production lines to manufacture specialty products.

819

We are the ideal partner for developing new ideas and being a front runner for any potential future requirements.

Using **OKULEN® 1000**, PVDF, PTFE or PP for impellers with metal inserts we have built a reputation amongst experts in the industry as an innovative partner in both engineering and manufacture.

Clean, safe, fast: Unloading with **OKUSLIDE**, the dump truck liner from OKULEN.



Using our state of the art CAD technology we support our customers engineering requirements in the development of complex components.



In self designed twin-level-presses we produce semi finished components in thicknesses from 6 to 400 mm (1/4 to 15 3/4 inches).



A blue-tinted photograph of a man in a factory setting. He is looking through a large, circular white frame that is out of focus in the foreground. The background shows industrial equipment and a blurred white label. The overall mood is professional and focused.

You may call it PERFECTION. We call it quality management.

Thomas W., Compression Moulding

OKULEN leaves nothing to chance regarding quality, it must be accurate. This is the reason we conduct regular in house testing of impact strengths, melt index and resistance to wear as well as ultrasound testing of our semi finished products uniformity, all according to DIN, ASTM and ISO standards.

Top quality.

By testing and maintaining high quality in our plastic products, we remain on top of the market. We meet requirements for guaranteed materials properties, reliable insulation and noise absorbing capabilities, high resistance to wear and abrasion and perfect anti friction attributes. Our materials provide the perfect product for machine and plant construction, materials handling, catering, refrigeration, appliances, filtering plants and electrotechnology.

ISO Certification.

Many companies have qualified for DIN EN ISO 9001 certification but OKULEN achieved this much earlier than most. OKULEN was one of the first companies to reach ISO 9001 certification in their field, receiving the ISO certification as early as 1996. Customers can take this as proof of the high product and service quality achieved by OKULEN 's facilities and they can look forward to seeing this prove itself for them again year after year.

10|11

Testing of wear resistance using the sand slurry method is performed regularly in the OKULEN laboratory.



Reprocessed materials are also tested to ensure consistently high standards of product.



Employees stay with us. Customers never leave.

Rudi M., Finished Products

OKULEN could be satisfied with the fact that our materials and products display outstanding consistency and properties. However we are not, and continue to strive for further success. In order to ensure that we meet our customers' expectations we continually improve our products, contract developments and customer service.



A promise is a promise.

By testing and maintaining high quality in our plastic products, we remain on top of the market. We meet requirements for guaranteed materials properties, reliable insulation and noise absorbing capabilities, high resistance to wear and abrasion and perfect anti friction attributes. Our materials provide the perfect product for machine and plant construction, materials handling, catering, refrigeration, appliances, filtering plants and electrotechnology.

Service is part of our business.

Many companies have qualified for DIN EN ISO 9001 certification but OKULEN achieved this much earlier than most. OKULEN was one of the first companies to reach ISO 9001 certification in their field, receiving the ISO certification as early as 1996. Customers can take this as proof of the high product and service quality achieved by OKULEN 's facilities and they can look forward to seeing this prove itself for them again year after year.

12|13

At OKULEN customer's satisfaction is the motivation for all employees.



Specialised.

We are happy to oblige when you have special needs or general inquiries. Our customer service team is at your disposal at any time either by telephone or if you require by a visit to your facility.

Don't hesitate to phone us, even if it is only to ask for our detailed brochure or a sample of our products. We will send further information to you.

There are OKULEN specialised brochures for the following areas:

1. Semi-finished products
2. Finished components for machine construction and conveyor industry
3. Linings
4. Moulded parts
5. Fenders
6. Food processing
7. Ski industry

Farewell from OKULEN until we meet again.



Ottensteiner Kunststoff GmbH & Co. KG

P.O. Box 3151
48672 Ahaus-Ottenstein
Germany

Tel. +49 (0)2561 9824-0
Fax +49 (0)2561 9824-99
Fax +49 (0)2561 9824-88 (Export)

info@okulen.com
www.okulen.com

Production and Administration - Factory II

Im Garbrock 39
48683 Ahaus-Ottenstein
Germany

Production - Factory I

Textilstraße 27
48683 Ahaus-Ottenstein
Germany

TSE-OKULEN Americas - L.L.C.

4370 112th Terrace North
Clearwater · Florida 33762
USA

Tel. +1 (727) 456 2890
Fax +1 (727) 456 2891

info@tse-ok.com
www.tse-ok.com