

- fully integrated without control cabinet
- complete 100%-inspection / protocol
- checks height, width, area simultaneously



Founded in 2000, **opdi-tex** acts as competent and innovative technology partner for the industry in the field of intelligent image processing. We are specialized on integrated machine vision and develop customized camera solutions that are optimally matched to your requirements.

opdi-tex

Mesh Checker

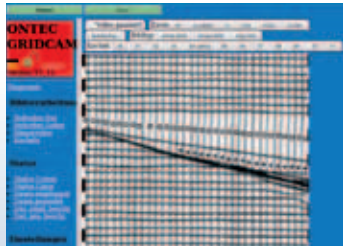
by **opdi-tex**

Your Technology Partner

Wir bringen Maschinen das Sehen bei

It's sometimes harder to produce big meshes than you would expect. However, as a mesh netting they should comply with certain dimensions. By measuring the most important geometries (height, width, area) of each mesh, both quality can be monitored and systems regulated.

Easy, fast, reliable,
optical, **opdi-tex!**



Capturing of:

- ✓ height
- ✓ width
- ✓ area
- ✓ of each single mesh
- ✓ with optional threshold
- ✓ with optional average
- ✓ with optional protocol

We support our customers in a variety of automation tasks: from optical quality control, product tracking in flow production, measuring, inspection of products and stereo vision up to methods to increase productivity.



As individual ideal solutions for you, we completely produce all applications cost-effectively with TÜV Süd certified quality management according to ISO 9001:2015 in the vicinity of Munich: from the opto-electronic sensor to programmable logic and SoC-based hardware up to evaluation and user interface.

We teach machines to learn, spot and understand!

More than 2000 of our systems are used successfully in different industries worldwide and are often applied under the name of our customers in the production of:

- food & sweets
- packaging
- automobiles
- pharmaceuticals
- paper and foil printing
- woven textiles

Contact

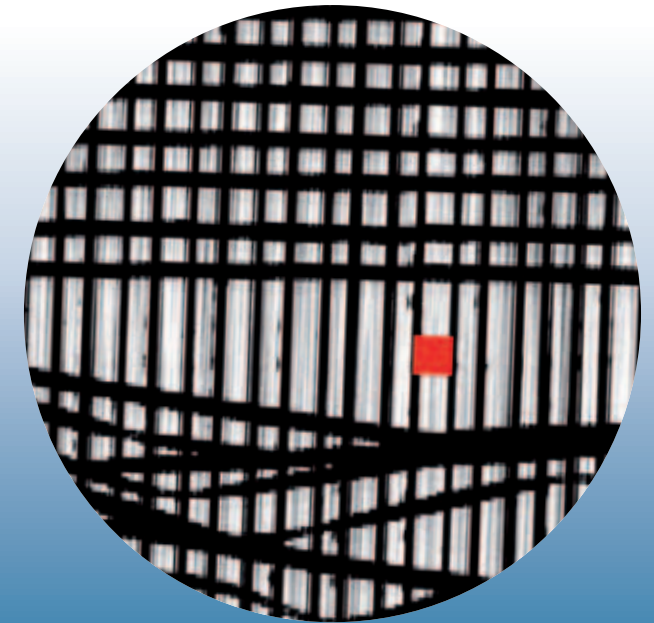
Karl-Ludwig Schinner · CEO & owner
+49 (0)171 468 35 93 · k.schinner@opdi-tex.de

Ralf Schimanski · sales / project support
+49 (0)176 10 32 72 05 · r.schimanski@opdi-tex.de



opdi-tex GmbH · Gewerbering 9 · D-86922 Eresing
+49 (0)8193 937103 · info@opdi-tex.de · www.opdi-tex.de

Mesh Checker



Intelligent
Image Processing
System Solutions

for **Textile Industry**

Textile Applications

The sensor is designed for easy installation in your system. Due to its robustness, it is suitable for use in rooms exposed to carbon or fiber-glass dust as well as for threads with sizing. It works **independently** and without influence of **thread colors** and **ambient light**!

Weaving looms

Knitting looms

Laying machines

Suitable for uniform coarse patterns/meshes regardless of the manufacturing process. Optionally, laminated or coated fabric can be inspected with suitable illumination.

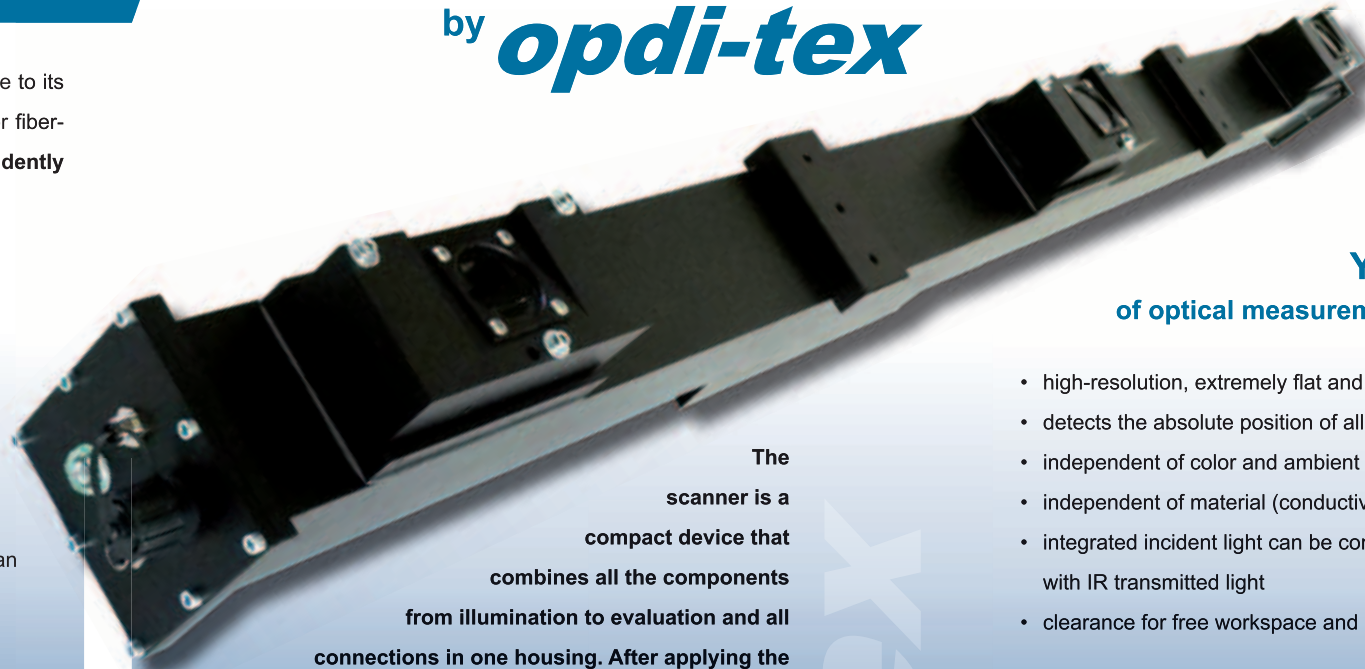


Materials:

Suitable for cotton, synthetic fiber, carbon and glass fiber, also ribbons made of these materials

Number meshes:	up to 20,000 per second
Thread diameter:	minimum 0.15 mm
Thread distance:	bigger than 1 mm
Thread color:	arbitrary, also mixed

Mesh Checker by *opdi-tex*



The scanner is a compact device that combines all the components from illumination to evaluation and all connections in one housing. After applying the 24 V/DC supply voltage and a rotary encoder signal, the result is available via Ethernet.

Up to 20 m/min, the dimensions of more than 20,000 meshes per second can be inspected.

Mode of operation: CAMTECH / MS 2500

- optically aligned line scan cameras, contactless
- only one passive external reflector or transmitted light

Working width:	2500 mm, alignable and scalable
Working distance:	1000 mm / depth of field up to 100 mm
Dimensions:	ca. 250 x 150 x 2000 mm, 15 kg
Power supply:	24 V, 1 A
Type of protection:	IP68
Interface:	Vcc (24 V/DC), rotary encoder, Ethernet

Your advantages

of optical measurement from opdi-tex are:

- high-resolution, extremely flat and more than 2 meters wide
- detects the absolute position of all meshes
- independent of color and ambient light
- independent of material (conductivity, surfaces, ...)
- integrated incident light can be combined with IR transmitted light
- clearance for free workspace and easy setup

Quality Control & Quality Assurance

Output:

- adjustable result information, with an external module also a programmable digital signal
- direct control connection and logging
- browser access for easy operation, easy integration into customer system

The result can go directly to a PLC or other controller. The extremely simple setup and high reliability allow it to be used as a measuring device for a closed-loop and also for 100%-logging to increase the value of the final product.

For more information give us a call or visit

www.fadenkontrolle.de