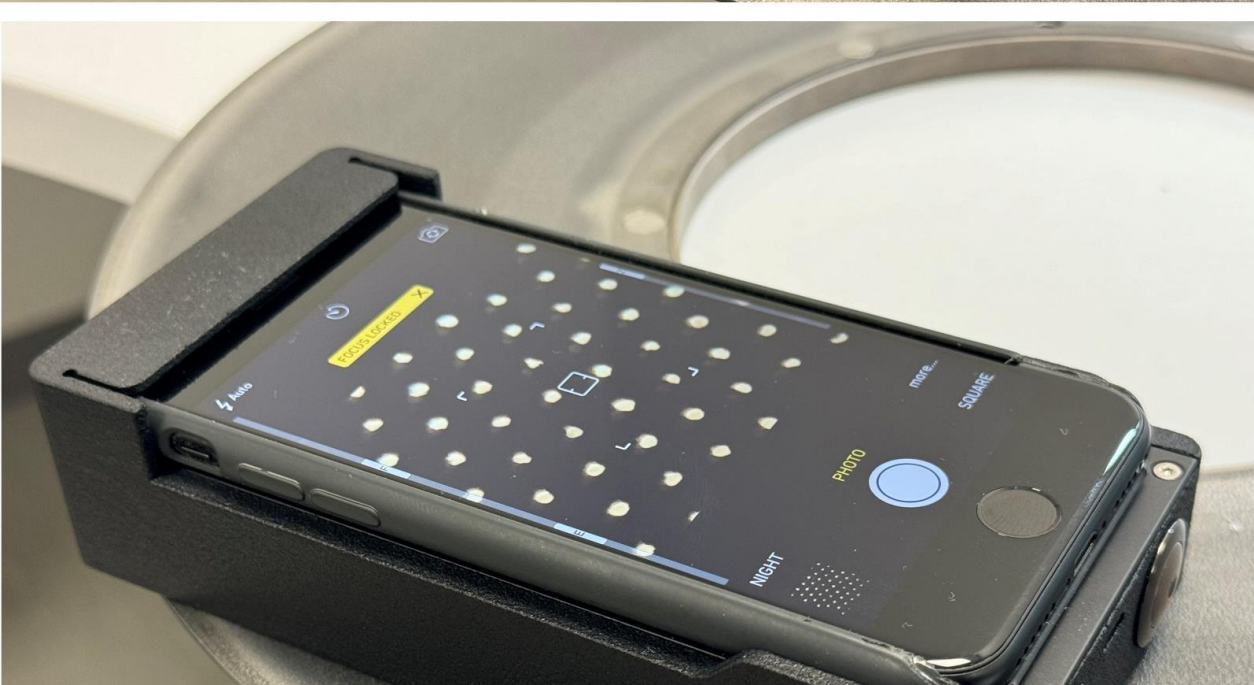


Mobile Inspection of Lasered Filter Screens

With the Help of a Smartphone
with Upstream Optics and
Lightning Unit



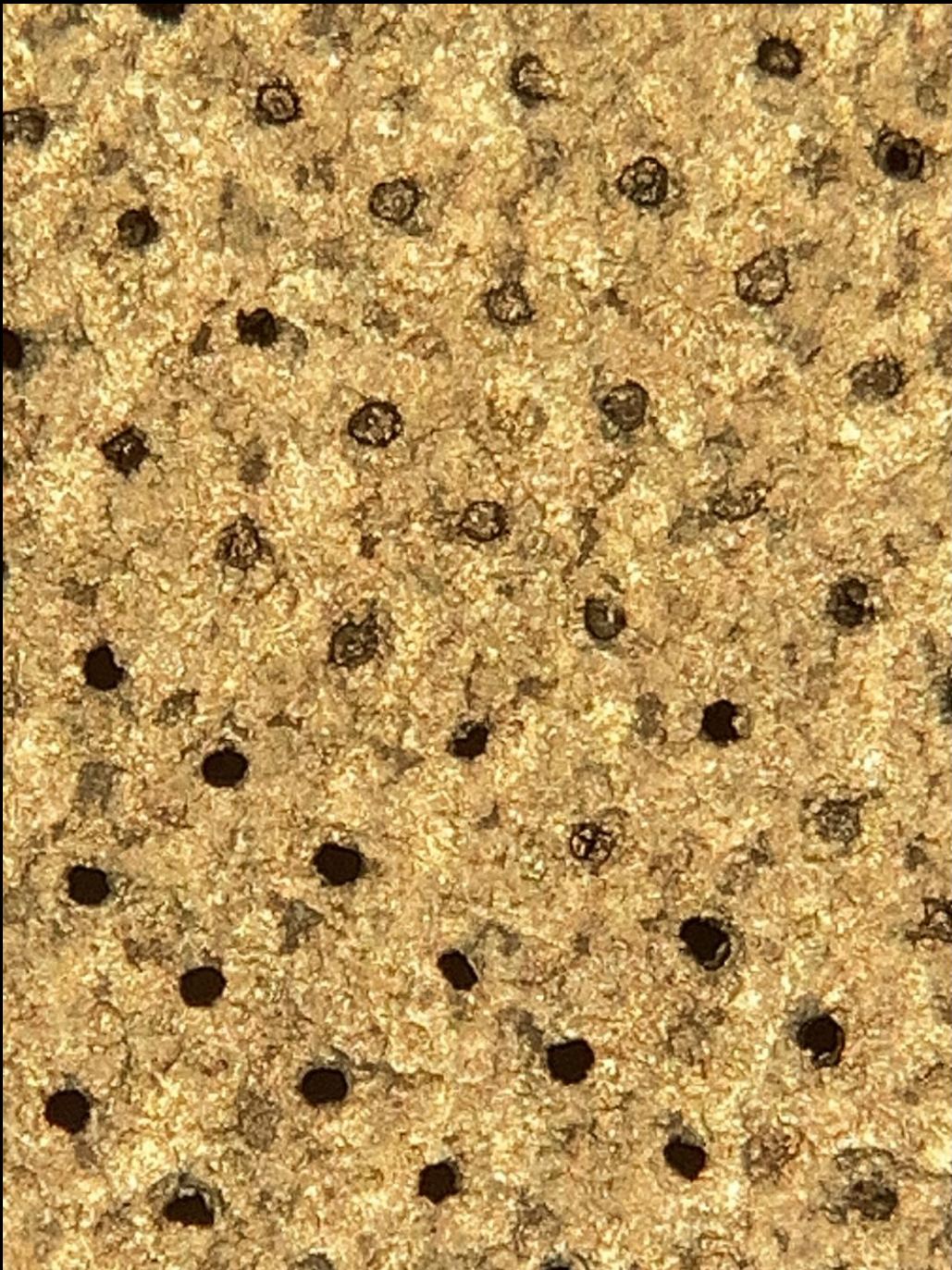


Lasered filter screens are used in particular when processing extremely extremely contaminated plastic melts in extruders, as they enable the continuous removal of contaminants from the hardened filter surface by means of movable scrapers. This ensures high throughput rates even with high degree of contamination of plastic melts.

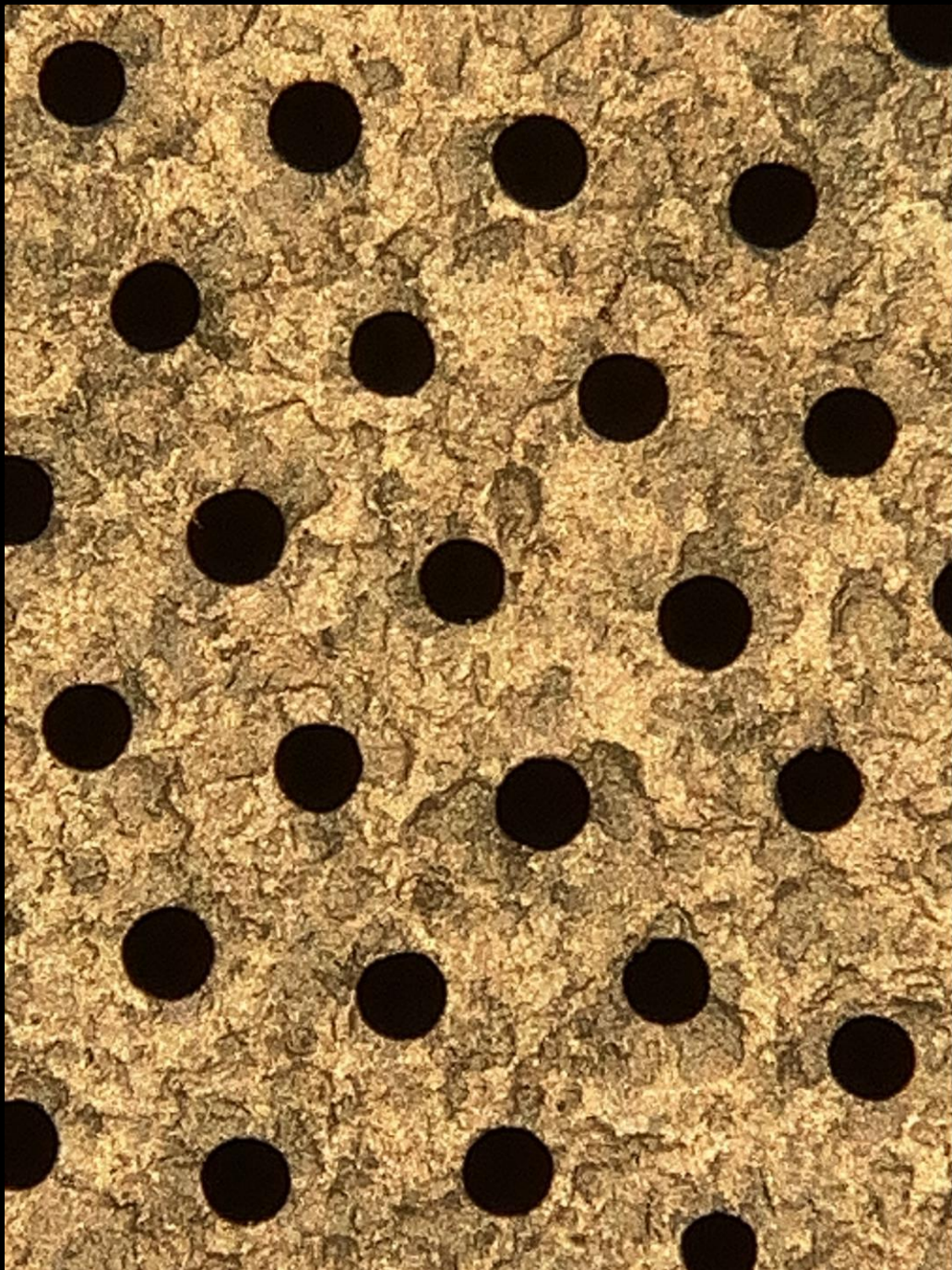
During the production of the lasered filter screens, however, individual holes may become clogged, for example due to premature cooling of molten metal during the laser processing procedure.

Controlling this is the task of the mobile LUMI-STAR-MOBILE-VIS/VIS unit. By activating the integrated lightning unit, it is possible to switch from transmitted light to incident light illumination.

The defects can be detected with both transmitted and reflected light.



Laser filters without defects, on the other hand, show perfect round apertures in both transmitted and reflected light mode.





Investigations of breakthroughs in laser filters using a mobile unit


Using the reflected and transmitted light method

Combined with easy-to-use parametrization software

Our specialists are happy to tell you more about it

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