

## Press release

### **New LED High Power & UV Lights as well as the innovative LightGuide Area Lighting successfully introduced at the VISION 2014**

**Suhl, 11<sup>th</sup> November 2014.** This year at the trade fair VISION, iim AG presented the three latest products of its brand LUMIMAX®.



Booth team of iim at the VISION 2014

From the 4th – 6th November 2014 the business unit “LED lighting” of iim AG attended the trade fair VISION 2014 – the international trade fair for industrial machine vision and identification technology.

An overview of the LUMIMAX® product range was displayed on clearly arranged product platforms for the numerous visitors. Additionally the new LED High Power and

UV Lights as well as the innovative LightGuide Area Lighting were presented.

The High Power LED lights were especially developed for Machine Vision applications and meet the highest requirements for light performance, functionality and industrial design. Extremely bright LEDs combined with an integrated controller and power electronics guarantee a light intensity, which significantly exceeds 1 million lux during flash operation as well as an excellent illumination of inspected objects. This also even applies for a working distance of several metres.

Furthermore, the complete LED High Power light series is now available as UV365- and UV400 version. Ultraviolet lights are always important when it comes to fluorescent paints, seals or adhesives. There are many fields of application for fluorescent substances, so that they are used in many industries. Among others, UV lights are used for quality inspections of various security features or for inspecting cast parts for cracks.

The innovative LightGuide Area Lights were especially designed for transmitted light operations with large objects or for very homogeneous incident light applications, e.g. in robot- or assembly cells and manual work stations. The special feature of the LightGuides is the light of the High Power LEDs,



Booth at the trade fair VISION 2014

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which is directed into the side of a laser-dotted optical wave guide. Due to the laser dots as well as additional diffusors and reflectors, the light is very homogeneously re-directed to the complete illuminating area. Due to this design, the costs for such large light fields can be reduced significantly,



Demonstrating construction for comparison of lighting with permanent, pulse or flash operation

as the LED placement is more efficient.

Besides these product novelties, the demonstrating construction for flash light operation also generated a lot of interest. This flash construction demonstrated the advantages of using flash lights for illuminating rapidly moving objects.

All in all the team of iiM AG is very pleased with the interesting conversations and promising contacts at the three-day trade fair.

## About iiM AG

iiM AG measurement + engineering provides high quality and high performance products for Machine Vision. For over 15 years iiM AG has been developing and producing industrial measurement engineering for various industry fields such as the cable, wire and solar industry and also for the automotive industry. In order to guarantee a high standard of our processes as well as continuous improvement, we annually undergo an inspection of our Quality Management System according to ISO 9001:2008 and are certified by DEKRA Certification GmbH.