



AMY D Arte Spazio Milano

Presents: **Photonic truth**

Holographic Light Art

**Preview 09 June, 6.30 pm**

**9 – 19 June, 2016**

**curated by Anna d'Ambrosio**

"Photonic truth" is a work in progress project of the artistic duo August Dora / Dora Tass (IT) and August Muth (USA), who use as hologram as a medium for Light Art. All works are made in August Muth's "The Light Foundry" studio, in Santa Fe, New Mexico, USA.

Their collaboration began in 2012 at the International Symposium Display Holography held at the MIT Lab, where they met.

The matter of the holography is the "photon", just as the color palette for the painter or the stone for the sculptor. The holographic technique is an optical medium for the recording of light in 3D.

The laser light generates the interference phenomenon, a phenomenon that already exists in nature – like rainbows, or opal stones. The hologram artificially recreates this phenomenon using a coherent light beam, the laser, and "capturing" the photon on the holographic plate. In that sense the holographic-artist acts as an alchemist of light, who manipulates this natural phenomenon using a fully high definition analogue technique, transforming the light into a tangible matter. Therefore, the photon is the medium, the generating principle, and the essence of these works, which fall within the Light Art, as pointed out by Frank Popper in "Art in Holography" (UK, 1996) in relation to this medium.

In this preview 5 holographic assemblage of the "Perturbing Objects" serie are presented, together with two works by August Muth, Cosmos and Zero, who individually follows a research marked by the minimalism of luminous geometric forms. Also featured is a video interview filmed in "The Light Foundry" in Santa Fe, by director Angela Landini.

The typewriter is the first subject of "Perturbing Objects": resurrected to a new life, it is substantiated in pure luminous matter in the hologram. Following an experimental research that partly connects to A. Breton's considerations on the "crisis of the object" as a field to explore, and partly to the psychology of perception as the "Ganzfeld" effect, a space explored by James Turrell.

The common thread of "Perturbing Objects" is the perceptive and cognitive short circuit generated by the overlapping of luminous forms, intangible and tangible at the same time, real and surreal, which interfere with our normal way of perceiving reality, and open to a free way to rethink the system of objects.

The used holographic technique is totally analogical; the light waves contain and convey a huge amount of information, more than in a digital binary system. Furthermore, a special hand-prepared holographic emulsion is applied on the plate; similar to the first emulsions used in photography in the early XXth century, it has the ability to capture the light in an extremely tangible and luminescent way, with a parallax of 180 degrees.

If we consider that high-resolution video image is 180 dpi, the Denisyuk holograms have something like 10 billion dpi for 3000 dpi depth.