

Holograms for Sale

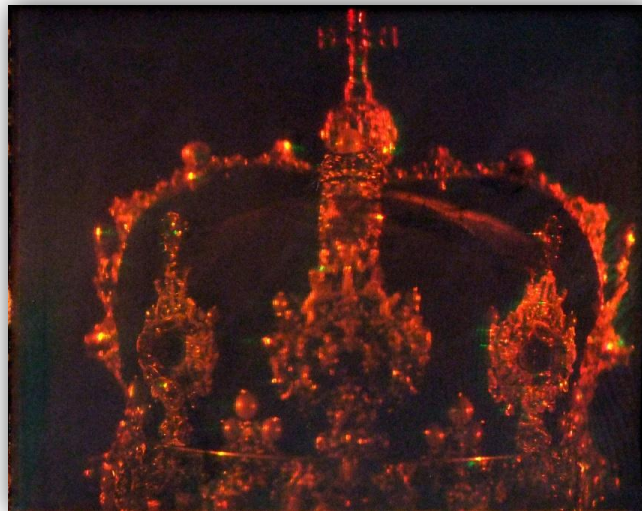
Display holograms

In this section holograms produced at *Lasergruppen Holovision AB* in Sweden and *Holicon Corporation* in the USA are listed. Many are early holograms recorded in Sweden during 1980s. The holograms are mainly of two types; monochrome Denisyuk reflection holograms and hologram portraits which are reflection holograms, copied from masters recorded with a pulsed ruby laser. The first pulsed holograms were recorded with a Holobeam ruby laser. Later the high-quality LUMONICS - JK laser (1 Joule Ruby Laser System Model HLS-2, laser wavelength 694 nm) was used both in Sweden and the USA for all pulsed holograms. The Denisyuk reflection holograms and the image-plane reflection copies of pulsed masters were recorded using a 5W Spectra Physics Krypton ion laser (laser wavelength 647 nm). The reflection holograms for sale here are of high quality since the best holograms from our production were kept by me as a reference for future production runs of the same holograms. Here we find display holograms produced at *Lasergruppen Holovision AB* in Sweden and *Holicon Corp* in the USA. Most of my work was focussed on the single-beam Denisyuk reflection holography since, in the beginning, which was the closest we could come to an ultra-realistic imaging technique. Mainly we recorded holograms for advertising and exhibitions. Many of the early holograms are for sale here. I have recorded pulsed portraits of many people, for example, Swedish Prince Bertil, Albert Bonnier, Swedish hockey player Sven Tumba, Swedish movie star Gösta Ekman and Swedish Nobel Prize Winner Kai Siegbahn and President Ronald Reagan, Harold Edgerton and Mike Ditka in the USA.

In this section you will also find products with attached holograms. Most of them have embossed holograms but there are also products with photopolymer holograms which are of higher quality. The use of holograms on products was popular in the 80s and 90s but today holograms have been replaced with lenticular images.

Prices in British Pounds

Monochrome reflection holograms on glass



Erik XIV Crown (1974)

Image-plane reflection hologram copy of master hologram

Silver halide emulsion on glass

Framed, size: 8" x 10" (20 x 25 cm) **£500.-**



Recording of the Crown



Display cabinet



Crown hologram

An example of an early, highly publicised display holography project in Sweden was the transmission hologram of the *Coronation Crown of Erik XIV* (from 1561). The 20cm by 25cm off-axis transmission hologram was recorded by Hans Bjelkhagen in the cellar under the Royal Castle in Stockholm. The Crown was moved from the Treasury down to a room in the cellar on the night of the 20th August 1974. The photo above shows the hologram-recording setup. The CW He-Ne laser and holographic equipment were arranged directly on the floor. Note the Styrofoam panels surrounding the setup which prevented air motion during the recording. The transmission was installed in a special display case where it was illuminated by a mercury-arc lamp equipped with yellow filter. It was produced for the International Stamp Exhibition *STOCKHOLMIA'74*, in Sweden. The Swedish Post had issued a series of five stamps featuring the Royal Treasuries, including one of the Crown. Since it was not possible to show the real crown at the stamp exhibition, the hologram was ordered by the Swedish Post Authority as the next best thing. The stamp show took place between the 21st and 29th September 1974 in Älvsjö, south of Stockholm. The hologram was a main attraction at the show and people waited in a long line to be able to get a glimpse of the holographic crown. Many people came to the stamp exhibition only to see the hologram. A few image plane reflection copies were made of the master hologram.



Angel (1980)

Denisyuk reflection hologram
Silver halide emulsion on glass
Framed, size: 8" x 10" (20 x 25 cm) **£350.-**



Martini (1980)

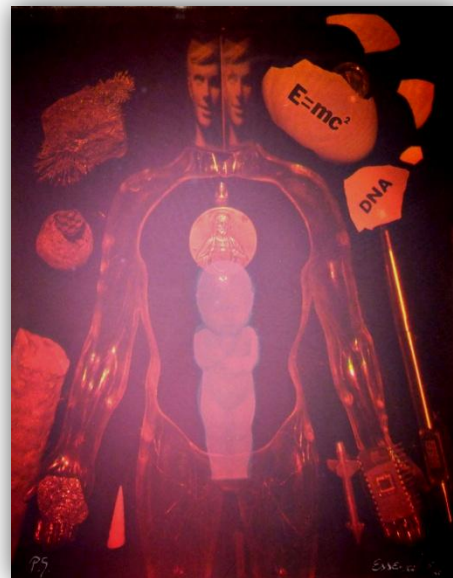
Denisyuk reflection hologram
Silver halide emulsion on glass
Framed, size: 8" x 10" (20 x 25 cm) **£350.-**



Geometry 7/100 (1979)

Image plane reflection hologram
Silver halide emulsion on glass, signed by the artist
Framed, size: 8" x 10" (20 x 25 cm) **£350.-**

This hologram by *Per Skande* was originally produced for *SANDVIK COROMANT* in Sweden. The image plane hologram depicts an enlarged model of a carbide insert cutting tool. This was also produced as a limited-edition hologram.



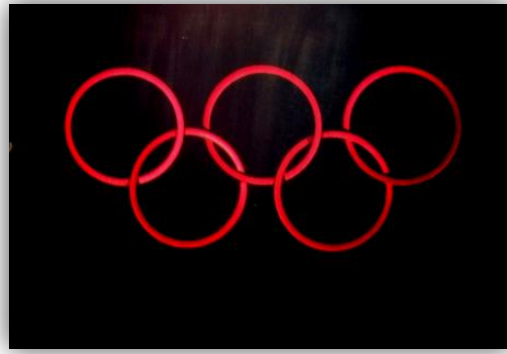
Mandala for the Eighties 5/20 (1982)

Double exposed Denisyuk reflection hologram
Silver halide emulsion on glass, signed by the artist
Framed, size: 8" x 10" (20 x 25 cm) **£450.-**

Hans "Esse" Esselius created this limited-edition Denisyuk hologram which is double exposed with the translucent child floating in front of the plate. Mandala means circle and is: "a visual tool in traditional meditation." Recorded in cooperation with *Per Skande*.



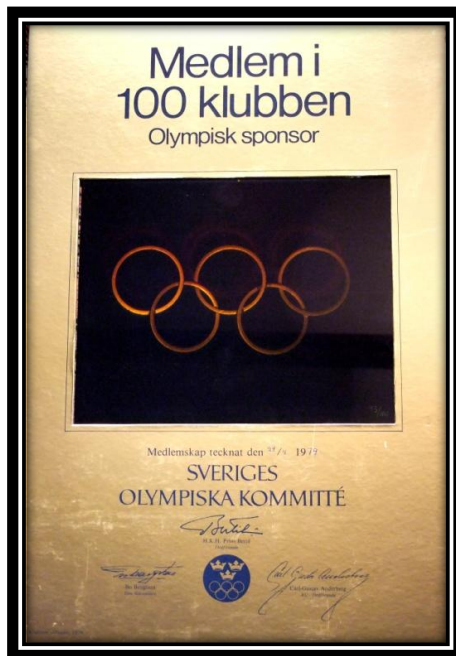
Golden Leica* (1981)
 Denisyuk reflection hologram
 Silver halide emulsion on glass
 Framed, size: 8" x 10" (20 x 25 cm) **£350**



Olympic Rings 96/100 (1979)
 Denisyuk reflection hologram with pseudoscopic image,
 the rings are floating in front of the plate, limited edition.
 Silver halide emulsion on glass
 Framed, size: 8" x 10" (20 x 25 cm) **£350.-**

***LEICA M4-2 „GOLD“ EDITION**

LEICA MADE IN 1979, 1000 PIECES OF 24 CARAT GOLD PLATED M4-2'S WITH A MATCHING 50/1.4 SUMMILUX LENS WHICH WERE MADE TO COMMEMORATE OSKAR BARNACK'S BIRTH IN 1879, THE INVENTOR OF THE LEICA CAMERA. THEY ARE ENGRAVED WITH COPY OSKAR'S SIGNATURE, AS WELL AS "1879-1979."

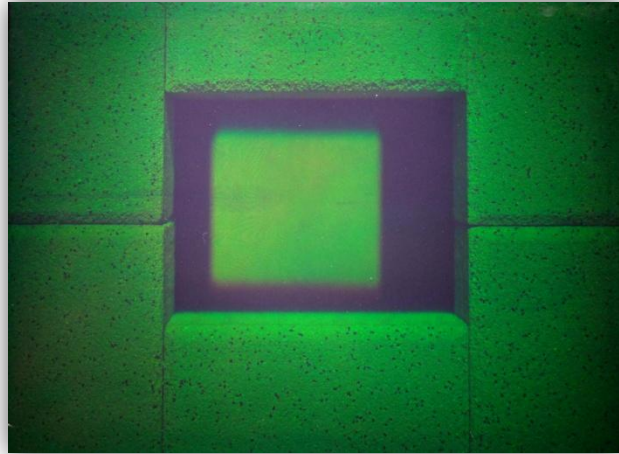


One hundred Olympic Ring holograms were produced for the Swedish Olympic Committee. Companies supporting the Olympic Games got this certificate with the hologram. To acknowledge financial contributions by the members of the "100 Klubben" (The "100 Club"), the sponsors got this certificate. The collected funds were used to send athletics to the 1980 Winter Olympics in Lake Placid, New York, USA.



Golden Woodcarving (1982)

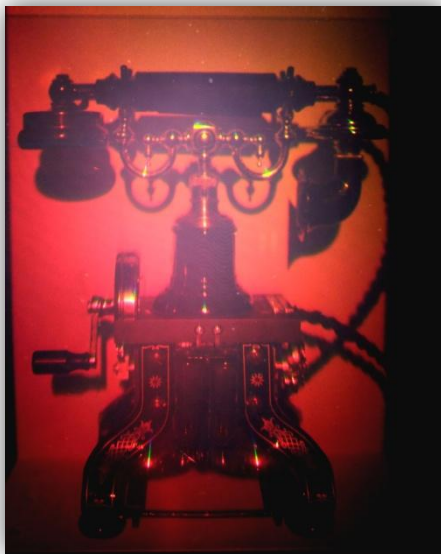
Denisyuk reflection hologram
 Silver halide emulsion on glass
 Framed, size: 16" x 12" (40 x 30 cm) **£750.-**



The Hole in the Wall (1982)

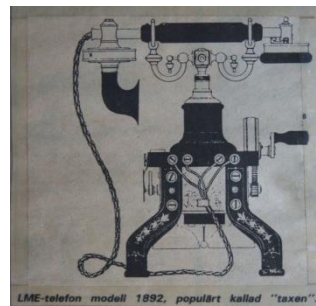
Denisyuk reflection hologram
 Silver halide emulsion on glass
 Framed, size: 12" x 16" (30 x 40 cm) **£750.-**

These two large Denisyuk holograms were very popular and many such holograms were sold. The golden woodcarving was suitable since it is very detailed and of high quality. In addition it is only 4 cm deep which means a sharp image can easily be displayed with a normal spotlight.

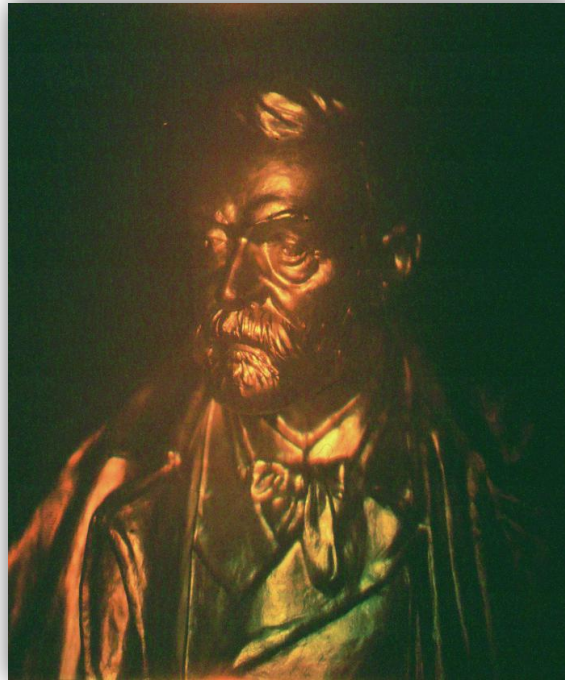


Telephone "Taxen" (1982)

Denisyuk reflection hologram
 Silver halide emulsion on glass
 Framed, size: 12" x 16" (30 x 40 cm) **£700.-**



This hologram is of the early telephone "**TAXEN**" produced 1892 in Sweden by L. M. Ericsson. (Now Sony Ericsson). The hologram was produced 1982 for the L.M. Ericsson for the 90-year anniversary of this old popular Ericsson telephone.



Alfred Nobel (1981)

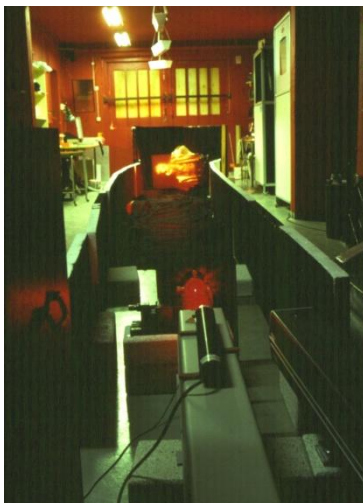
Denisyuk reflection hologram

Silver halide emulsion on glass

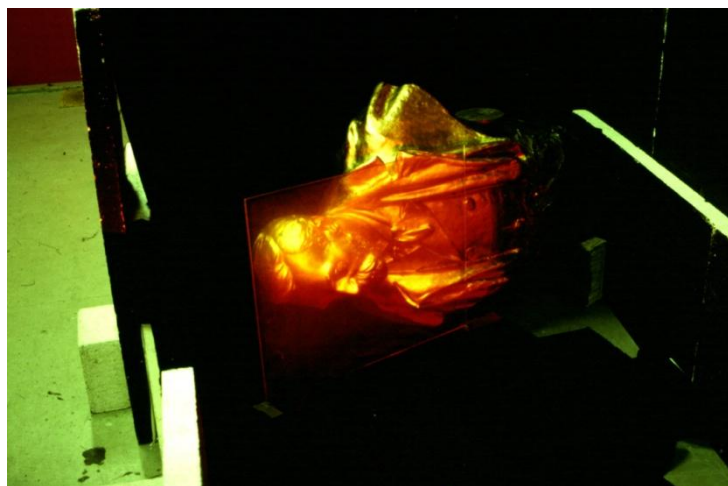
Framed, size: 16" x 24" (40 x 50 cm) **£1250.-**

All the holograms produced at Lasergruppen Hologvision AB in Sweden were recorded directly on the floor in the lab. To work on a table could be more comfortable but we wanted the large area when working directly on the floor. This may not be possible in some buildings, but our lab was located in the basement of a residential apartment complex at Gärdet, Stockholm. (Air turbulence is the main problem when recording holograms with CW lasers and is often mixed with non-existing vibrations).

Here are some photos from the recording of the Alfred Nobel bust hologram.



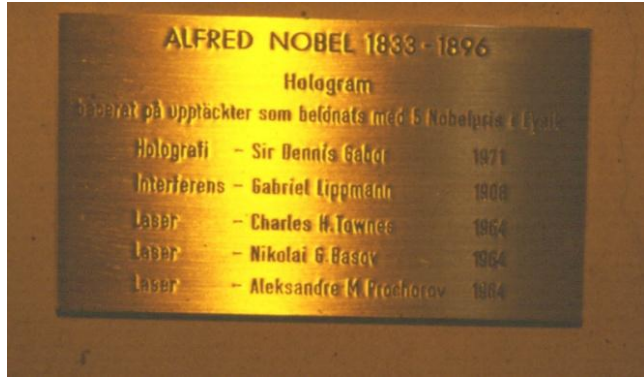
Setup with the red Krypton laser



The plate to be recorded positioned in front of the bust



The hologram installed in the Nobel Foundation House in Stockholm, Sweden



Sign: Hologram based on five Nobel Prizes, Interference (1908), Laser (1964) Holography (1971)



GB Ice Cream Bar – Blåbärs Vanilj (1980)
 Denisyuk reflection hologram
 Silver halide emulsion on glass
 Framed, size: 8" x 10" (20 x 25 cm) £400.-



GB Ice Cream Bar – Vanilj (1980)
 Denisyuk reflection hologram
 Silver halide emulsion on glass
 Framed, size: 8" x 10" (20 x 25 cm) £400.-

Another early project (1980) at the company was the recording of 1000 glass plates for the ice cream company *Glass Bolaget GB GLASS* in Sweden. There were two different holograms produced. Photos from the ice cream hologram production at Lasergruppen Holovision AB:



Lennart Svensson was recording all the holograms in the setup on the laboratory floor (200 plates/day). Note the Styrofoam block surrounding the setup to prevent air turbulence during the recording



Processing the holograms in batches of 25 plates



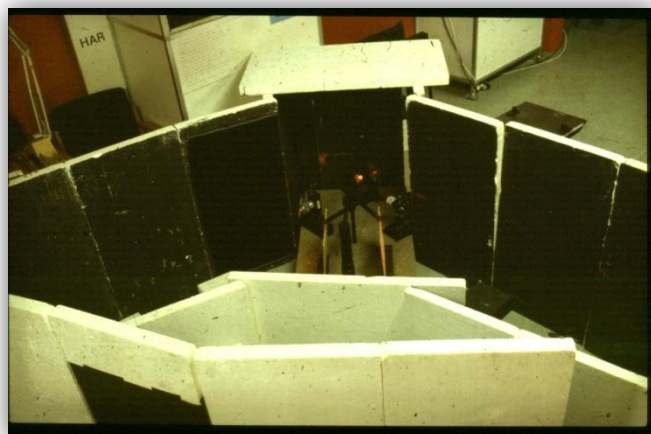
One day's production: 200 plates drying



Framing the plates

Monochrome hologram reflection holograms on glass – masters recorded in Sweden

The transfer was done using a krypton laser at the laboratory with the transfer setup on the floor. In the beginning *Per Skande* was working on the transfer process and later *Jonny Gustafsson* was responsible, including Holicon masters recorded in the USA.

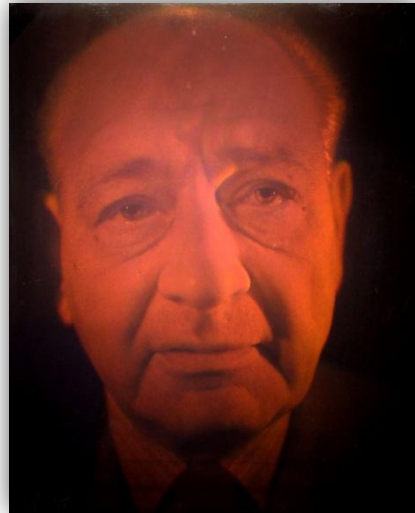


Jonny Gustafsson next to the transfer setup on the floor in the laboratory. Note the Styrofoam blocks to prevent air turbulence during the copy recording



Martina*with Rabbit (1984)

Reflection hologram copy - pulsed master
Silver halide emulsion on glass
Framed, size: 12" x 16" (30 x 40 cm) **£550.-**
*Per Skande's daughter



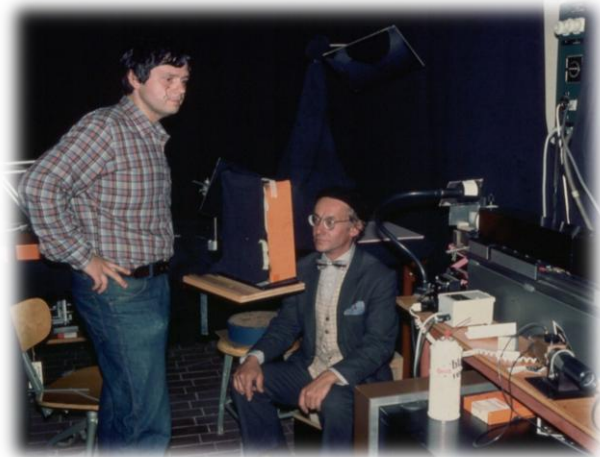
Albert Bonnier Jr. (1979)

Reflection hologram copy - pulsed master
Silver halide emulsion on glass
Framed, size: 8" x 10" (20 x 25 cm)
Albert "Abbe" Bonnier (1907 – 1989) was the
Chairman of the family run publishing empire
that included Sweden's two largest news papers.
Master recorded on 9 May 1979. **£500.-**



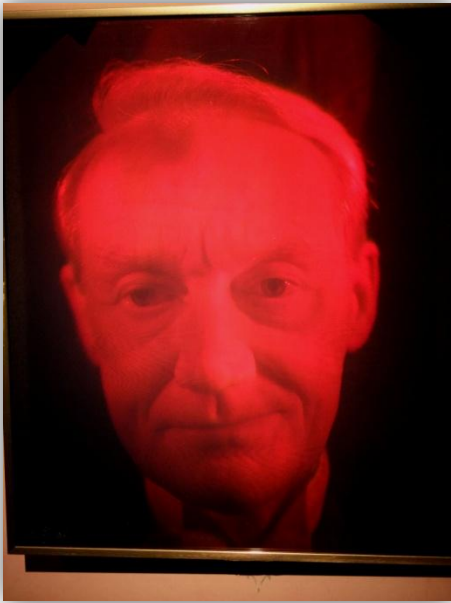
Gösta Ekman – movie star (1981)

Reflection hologram copy – pulsed master
Silver halide emulsion on glass
Framed, size: 10" x 12" (25 x 30 cm) **£650.-**



Recording of the Gösta Ekman master at Royal Institute
of Technology with a Holobeam Ruby laser.

This holographic portrait of the Swedish actor Gösta Ekman was made as a promotional piece for the movie *Jönssonligan* in 1981. The master was recorded on 19 August 1981. The hologram was on display at the entrance of the movie theatre at the first night run.



Kay Siegbahn (1981)

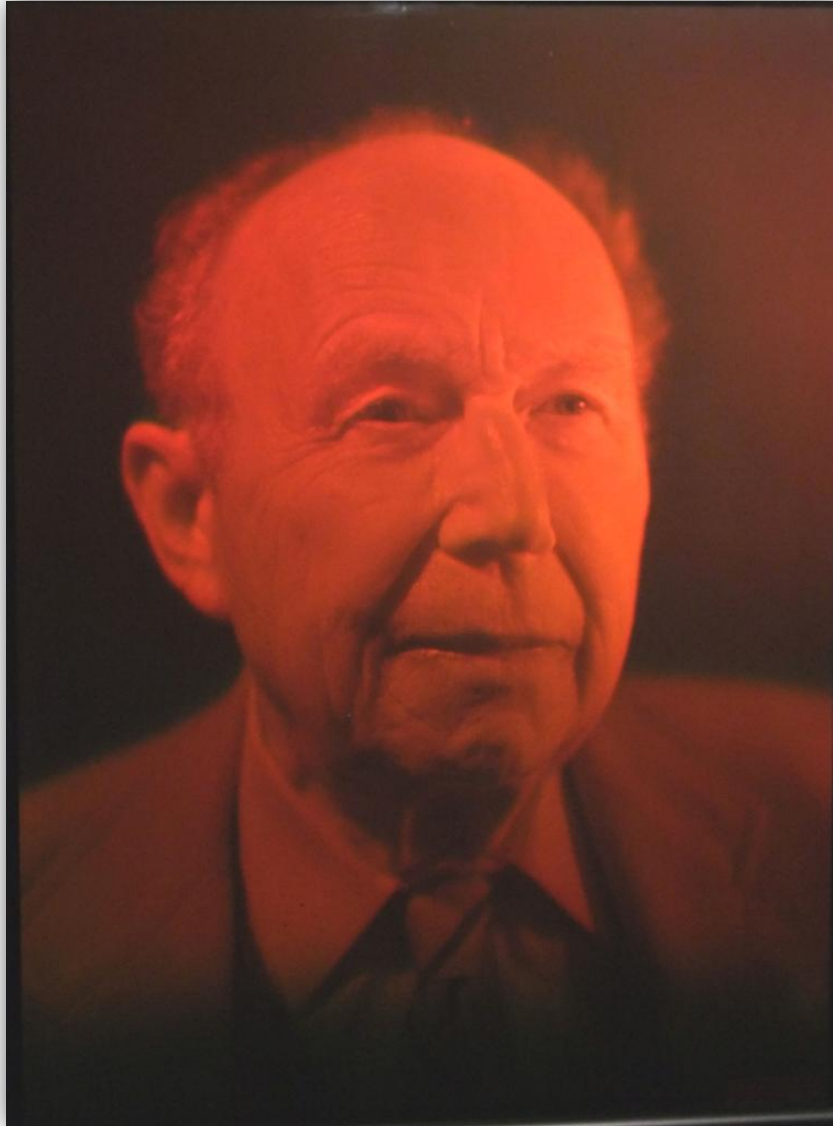
Reflection hologram copy – pulsed master
Silver halide emulsion on glass
Framed, size: 10” x 12” (25 x 30 cm) **£450.-**



Recording of the Kay Siegbahn master at Royal
Institute of Technology with a Holobeam Ruby
laser.

The master was recorded on 23 October 1981. Professor Kay Siegbahn shared the 1981 Nobel Prize in Physics for his “*contribution to the development of high resolution electron spectroscopy.*”

*Monochrome hologram reflection holograms on glass – masters recorded in the USA
(The transfer of the masters was done in Sweden at Lasergruppen Hologvision AB)*



Harold Edgerton (1986)

Reflection hologram copy – pulsed master

Silver halide emulsion on glass

Framed, size: 12" x 16" (30 x 40 cm) **£650.-**

MIT Professor *Harold Edgerton* (1903-1990) was the inventor of the electronic flash. By 1932 he had produced a sequential flash device he called the stroboscope used for high speed photography. It could emit 60 10- μ s pulses per second. He is known for many high-speed photographs, for example, *Bullet through an Apple* or the *Milk drop Coronet*. Actually, he was interested in using high-speed holography to record interesting 3D images, which we discussed with him using the Holicon ruby laser. Unfortunately he fell ill and died before we were able to start any such project. His master hologram portrait was recorded with a 20 ns-ruby laser flash on 19 October 1986.



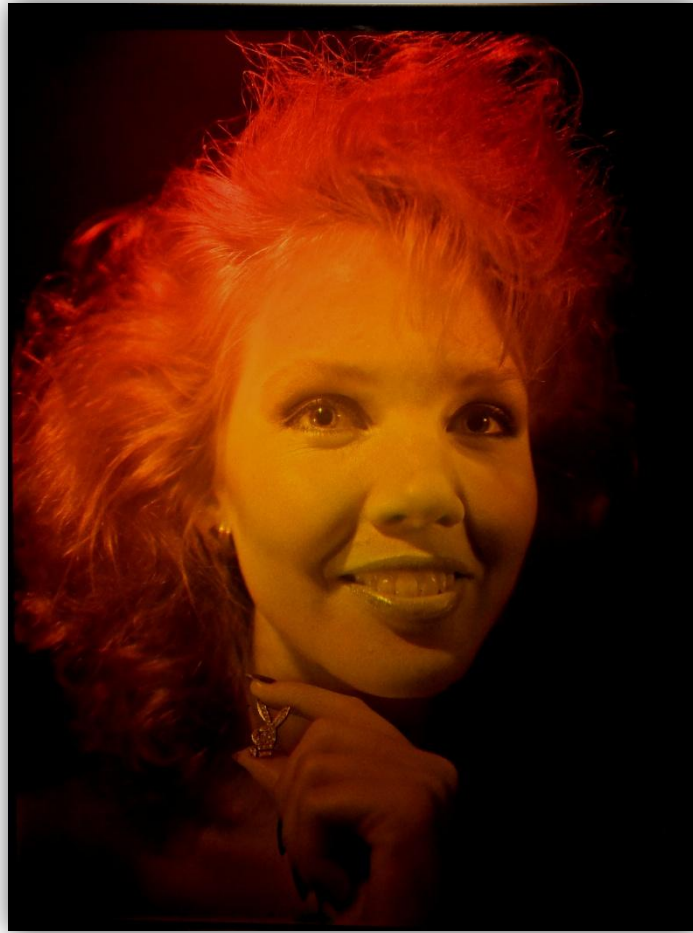
Doctor Pacemaker (1990)

Reflection hologram copy – pulsed master

Silver halide emulsion on glass

Framed, size: 12" x 16" (30 x 40 cm) **£650.-**

This hologram was made for Intermedics Inc. to promote the new small NOVA II pacemaker placed in the spoon which is projected in front of the hologram plate. The person acting as the doctor in the hologram is Martin Berson of Holaxis Corporation who was responsible for this project.



Bella Donna (1987)

Reflection hologram copy – pulsed master

Silver halide emulsion on glass

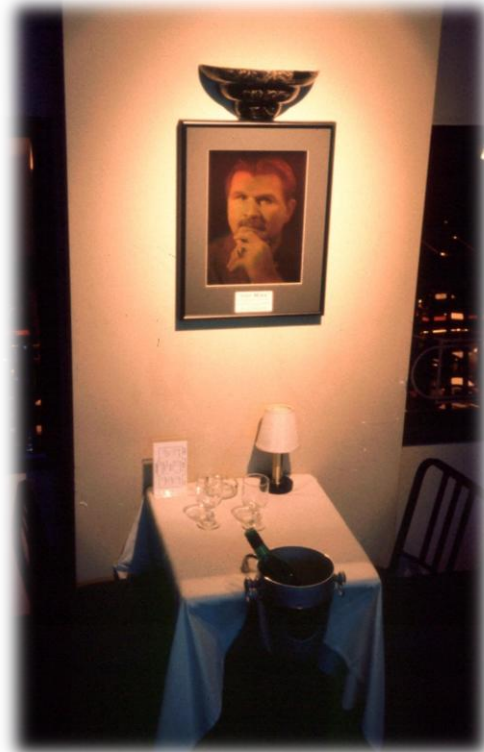
Framed, size: 12” x 16” (30 x 40 cm) **£850.-**

The hologram portrait *Bella Donna* is of *Donna Edmundson* who was the Playmate of the year 1987. She is holding a Playboy Bunny brooch in her hand. The title “Bella Donna” alludes to the well-known drug and plant *Atropa Belladonna* also known as the deadly night shade. The plant contains atropine which is used to dilate the pupils of the eye during eye exams. A problem with many pulsed hologram portraits is that the eye pupils are wide open during the recording since the subject is in a dark room. We solved the problem by illuminate one eye (one eye is sufficient) with a small green spotlight, which simultaneously reduce the diameter of the both pupils to make the eyes look more normal; the subject does not look “astonished” or “scared” which is often the case with early pulsed hologram portraits. The master was recorded on 13 April 1987 in the Holicon studio.



Hairdresser Paula (1992)

Reflection hologram copy – pulsed master
Silver halide emulsion on glass
Framed, size: 12” x 16” (30 x 40 cm) **£650.-**



Iron Mike – Mike Ditka (1987)

Reflection hologram copy – pulsed master
Silver halide emulsion on glass **£1250.-**
Framed, size: 12” x 16” (30 x 40 cm)

A copy of hologram portrait in Mike Ditka’s restaurant in Chicago.

Mike Ditka was the Chicago Bears Football Coach between 1982 and 1992 (American Football team in Chicago). The master was recorded on 9 March 1987. Holicon produced several film copies of this hologram portrait, but the one here is a copy on glass and sealed.

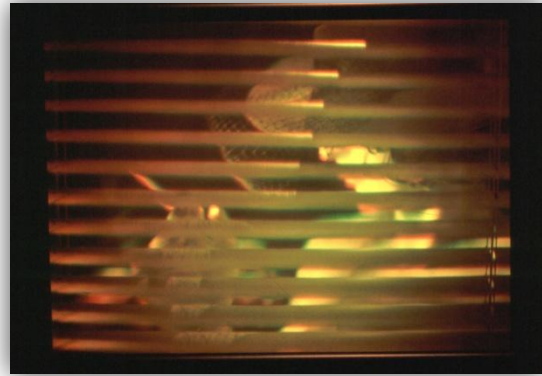


Monster Masks (1990)

Reflection two-channel hologram copy – pulsed masters

Silver halide emulsion on glass

Framed, size: 12” x 16” (30 x 40 cm) **£650.-**



We will Make it up Ourselves (1991)

Reflection hologram copy – pulsed master

Silver halide emulsion on glass

Framed, size: 12” x 16” (30 x 40 cm) **£850.-**

Girl Behind the Blind (1991)

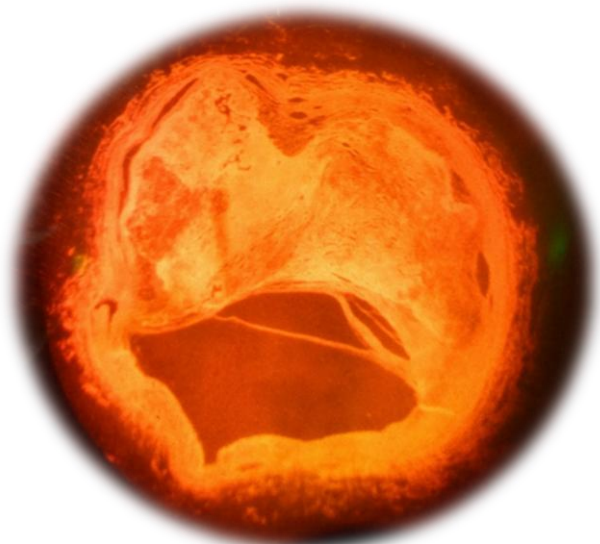
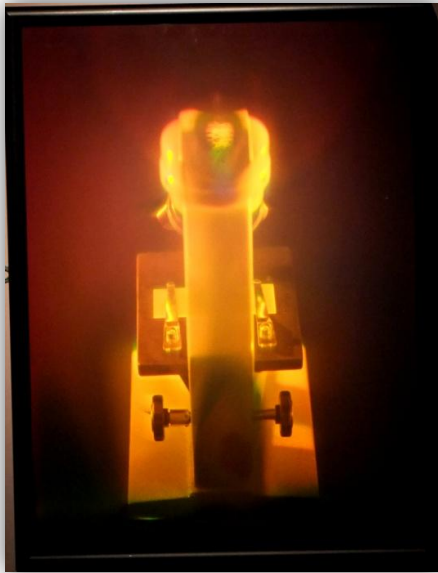
Reflection hologram copy – pulsed master

Silver halide emulsion on glass

Framed, size: 12” x 16” (30 x 40 cm) **£850.-**



Shana Wills was the manager of our Light Wave Gallery at North Pier in Chicago. She had studied art and wanted to create holograms of her own. Holicon recorded two hologram designed by her. One was: *We will make it up ourselves* and the other one *Girl behind the blind*.



Microscope (1991)

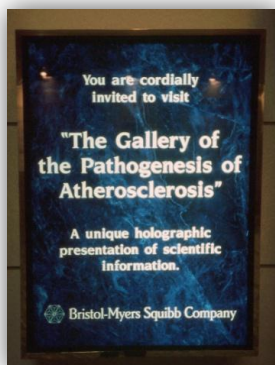
Reflection hologram copy – pulsed master

Silver halide emulsion on glass

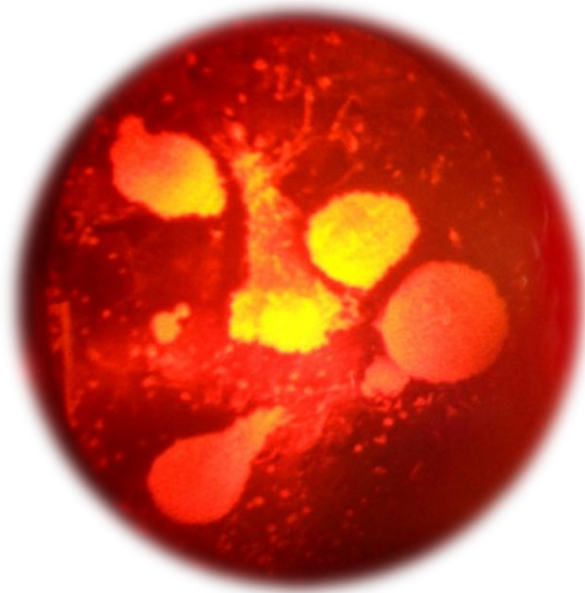
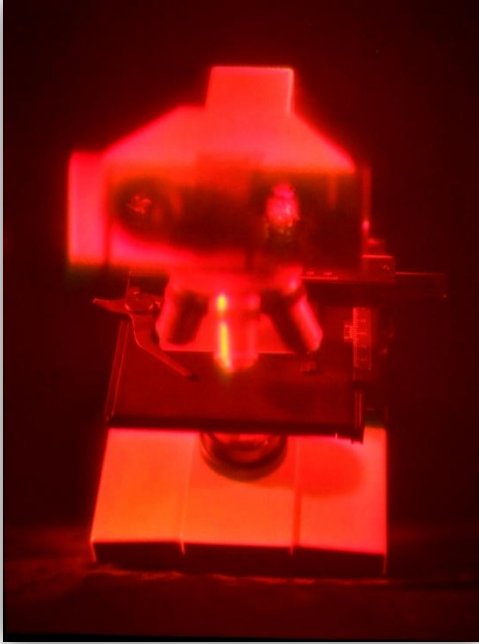
Framed, size: 12” x 16” (30 x 40 cm) **£750.-**

The internal image in this hologram microscope shows arteriosclerosis in the coronary artery. This form of atherosclerosis occurs when cholesterol and other fatty material become embedded in the artery wall, forming plaques, which gradually increase in size, narrowing the openings through blood flows.

This hologram microscope order was one of the most interesting Holicon projects. It was an ambitious **Bristol-Myers Squibb** educational and marketing project to show the effect of a special drug treatment. *The Gallery of the Pathogenesis of Atherosclerosis* was what the exhibition was called. The images in the nine hologram microscopes were electron micrographs of arteries showing the effect of high-fat, high cholesterol diet. The sequences of micrographs visible in the hologram microscopes demonstrated the progress of drug treatment when looking into the hologram microscopes. Using a provided headset, the viewer could listen to what the different hologram microscope images illustrated. The installation was used at medical exhibitions and after that it was on display at the *Museum of Science and Industry* in Chicago.



The **Bristol-Myers Squibb** installation with the hologram microscopes



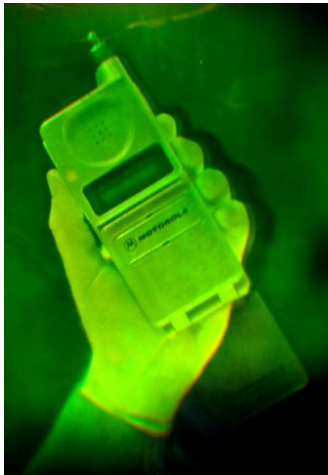
Stereo Microscope (1991)

Reflection hologram copy – pulsed master

Silver halide emulsion on glass

Framed, size: 12" x 16" (30 x 40 cm) **£750.-**

The internal image in this hologram stereo microscope shows arteriosclerosis in the coronary artery. This form of atherosclerosis occurs when cholesterol and other fatty material become embedded in the artery wall, forming plaques, which gradually increase in size, narrowing the openings through blood flows. This hologram was only a test to show a stereo microscope with an image. The final project used the normal microscope since the provided microscope images were only 2D images.



Motorola MicroT·A·C Phone (1990)

Two-channel image plane hologram copy – pulsed masters

Photopolymer material (Polaroid) on film

Framed, size: 5" x 7" (13 x 18 cm)

£350.- (a copy of OMNI Magazine is included)

When Motorola, Inc. introduced the new MicroT-A-C cellular phone and Personal Communicator in 1990, Holicon got a marketing project to promote the new phone. It involved both reflection holograms and embossed holograms on the cover of the OMNI magazine.



YOU MAY SEE A SMALL PHONE. THE STORY BEHIND IT IS A SMALL MIRACLE.

When the idea of a cellular phone small enough to fit in a pocket was only a dream, your average engineer considered it a product that wouldn't see the light of day before the 21st century.

And for a very good reason. The technology necessary to produce and manufacture it didn't exist.

At Motorola, though, there exists a very unusual way of looking at things. When Motorola engineers

see a mountain, they climb it. When they see unsolvable problems, they look for solutions.

When the challenge of building the world's first personal telephone came along, they met it head on.

Where the technology didn't exist, they invented it. They bent the rules. Then broke them. And not surprisingly, changed the way the world looks at cellular phones.

To begin with, our engineers had to custom design the integrated circuits, maximizing power and minimizing space needs in the process.

Next, we specially designed the keypad, seating it to keep out dust while illuminating it for easier viewing, especially at night. Plus, the patented microphone design eliminates distracting outside noise for minimal voice distortion.

No wonder it's been hailed as one of the best designed products of the

last decade. And has won awards of excellence in the United States and Japan as well.

All in all, some pretty miraculous things are happening at Motorola.

And we've got news for you. The MicroT-A-C is just the beginning.

MOTOROLA
1-800-333-6456
The way we put them together sets us apart.

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MicroT-A-C Cellular Phone



The cover of *OMNI Magazine*, Vol. 13, No. 2, November 1990. Visible through the cover page oval cut-out, is the embossed phone hologram on the next full-page Motorola Advertisement. The embossed holograms were produced by Lee Lacey at Holo-Source Corporation in Michigan, USA.



Steam Sleigh (1988)

Reflection hologram copy – pulsed master
 Silver halide emulsion on glass
 Framed, size: 12” x 16” (30 x 40 cm) **£650.-**



“Snowflakes” emitted over the model.

This hologram was designed by **Fred Wilbur**, a photographer from Texas. Malcolm Furlow, one of the premier modellers in the world, made the object to be recorded at Holicon. By using a fibre optic cable sending coherent light from the laser to the engine light, it is on in the hologram. Using a pulsed laser it was possible to have snowflakes in the scene. The snowflakes emitted from above the model were backlit by the reference beam. The laser was fired when the snowflakes were around the model. In the final reflection hologram the snowflakes are located both in front of and behind the plate. The master was recorded by Hans Bjelkhagen and Michel Marhic.



Brain Surgery (1991)

Reflection hologram copy – pulsed master
 Silver halide emulsion on glass
 Framed, size: 12” x 16” (30 x 40 cm) **£550.-**



Brain hologram recording at Holicon.



Sharpei Dog (1991)

Reflection hologram copy – pulsed master

Silver halide emulsion on film (H₃- scanned film copy of H₂ copy master)

Framed, size: 12” x 16” (30 x 40 cm) **£350.-**



Garfield Cat (1990)

Pulsed Denisyuk reflection hologram

Silver halide emulsion on glass

Framed, size: 8” x 10” (20 x 25 cm) **£450.-**

(The cat was attached to the plate before the exposure with the pulsed laser)



Hand (1990)

Image-plane reflection hologram - pulsed master

Silver halide emulsion on film

Size: 8” x 10” (20 x 25 cm) **£250.-**



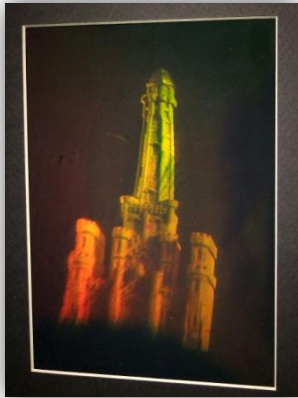
Aquarium (1990)

Image-plane reflection hologram-pulsed master
Silver halide emulsion on film
Size: 8" x 10" (20 x 25 cm) **£150.-**



Nativity (1990)

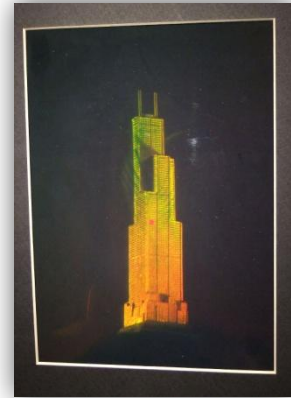
Image-plane reflection hologram-pulsed master
Silver halide emulsion on film
Size: 6" x 8" (15 x 20 cm) **£150.-**



Water Tower
(built 1869)



Picasso Sculpture
(from 1967)



Sears Tower
(built 1973, now Willis Tower)

Chicago Landmarks (1990)

3-channel reflection image-plane hologram - pulsed masters
Silver halide emulsion on film
Framed, size: 5¼" x 7¼" (13.5 x 18.5 cm) **£150.-**



Bella Donna (1987)
Size: 6" x 8" (15 x 20 cm)

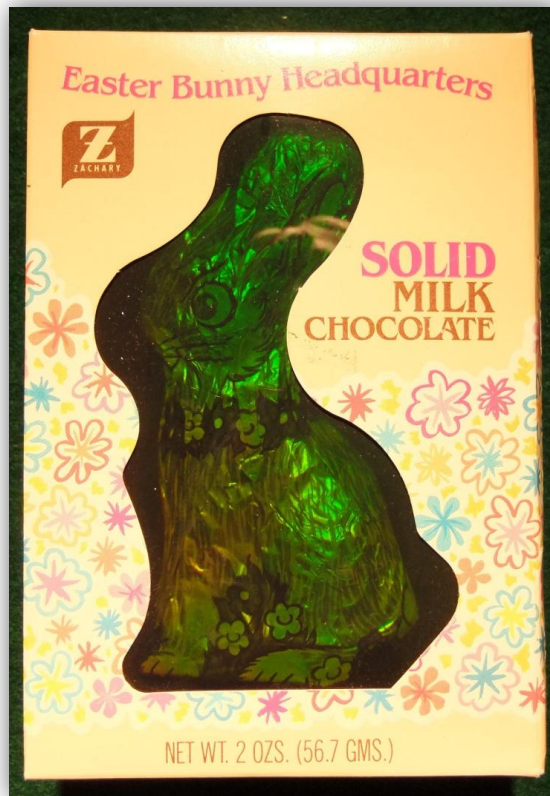


Mike Ditka (1987)
Size: 6" x 8" (15 x 20 cm)



Steam Sleigh (1988)
Size: 6" x 8" (15 x 20 cm)

Reduced size reflection hologram copies – pulsed masters
Silver halide emulsion on film **£150/each**



Easter Bunny (1990)
Pulsed Denisyuk reflection hologram
Silver halide emulsion on film
Box size: 4½" x 6½" (11.5 x 16.5 cm) **£150.-**

Hologram inserted inside the chocolate box manufactured by Zachary Confections, Inc. Indiana, USA.
