

# Stainless steel helmet is tough and versatile

The new G-2000SS prototype diving helmet uses stainless steel to create a tough, lightweight and versatile unit. "The G-2000SS was designed on Solid Works three-dimensional software and programmed for CNC Machining," says the helmet's developer Leszek Gorski.

"Its all-metal construction makes it easy to adapt the helmet, and to attach auxiliary equipment, such as lights, camera, etc.

"The front port is made from the strongest machinable Lexan material for extra safety. The mounting holes in the port are individually drilled through, allowing the retaining bolts to pass through the window itself, thus reducing the risk of the window separating from the helmet in the event of a hydrogen explosion

during underwater cutting."

The G-2000SS uses a retaining system that locks the neck dam in place as well as securing the helmet on the diver's neck.

### Regulator

It is equipped with a first-stage regulator built into the manifold block at the back of the helmet, allowing for unrestricted pressure supply to the second stage. The second stage function uses the Poseidon Cyklon 5000 regulator, which

fits within the helmet, where it is fully protected. This configuration also allows for ready adaptation of a gas reclaim valve assembly.

The design does not require a side block, which has been replaced with a free-flow valve in line with the second-stage regulator.

The back-mounted manifold contains the first stage plus two check valve assemblies – one for the main supply, the other for the reserve backup gas supply. This configuration allows hose connections between the first and sec-



*The G-2000SS prototype: "all-metal construction makes it easy to adapt".*

ond stages to be encapsulated inside the helmet.

"The G-2000SS is a perfectly balanced helmet that weighs in at approximately 28 lbs," says Leszek Gorski.

Details – Leszek Gorski, E-mail: [leszek@g2000ss.com](mailto:leszek@g2000ss.com), Web: [www.g2000ss.com](http://www.g2000ss.com)