

How the welding helmet took a technology leap

Welding safety at new technical height

Improved safety and comfort

Welding safety reaches new heights with the Speedglas™ welding shields with Adflo™ respirator from 3M - a leader in welding safety.

The combined technologies efficiently prevent eye injuries caused by dangerous light radiation from the welding process as well as illness from inhaling poisonous welding fumes - and at the same time offer a high degree of comfort.



Product development the DELTA way

DELTA's technology experts succeeded in several product improvements, increasing welding safety, enhancing comfort, strengthening reliability and lowering production costs.

3M in fact reinvented the powered air respirator for welders combining the Adflo™ turbo unit for gas and particle filtering with Speedglas™ Auto-Darkening Welding Shields in a light, compact all-in-one system.

Improved sound quality

The welding helmet protects the welder against poisonous welding fumes by means of a ventilating system blowing filtered air into the helmet creating a slight pressure above the atmosphere.

DELTA lowered the overall noise from the ventilating system using a passive silencer to increase the general comfort.

DELTA

Venlighedsvej 4
2970 Hørsholm
Denmark
Tel. +45 72 19 40 40
asic@delta.dk
asic.madebydelta.com

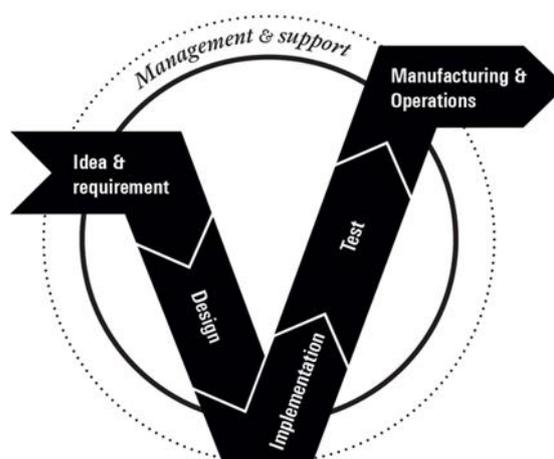
Low cost reliability with a microchip

The electronically controlled Speedglas™ Auto-Darkening Welding Shields offer the welder utmost safety and a high degree of comfort through variable shades and sensitivities by reliable switching to different welding methods.

DELTA has facilitated a technology leap by replacing the existing electronic control system by a product specific microchip, an ASIC, designed by DELTA.

Product development – DELTA services

DELTA ensures our customer efficient product development at all stages.



The welding helmet is developed in collaboration with the leader in welding safety - 3M.

“DELTA offered a qualified and professional response to our needs. We were met with a highly technical competence and valuable knowledge and experience. The highly skilled DELTA staff is easy to work with and very devoted to good solutions. DELTA I involved in manufacturing, testing, deliveries, and is thus far more than a design house. This makes DELTA work dedicatedly to make successful chips.”

Ingvar Sundell, Electronics R&D, 3M Svenska AB