



Press Information

BLACKline, the new DINSE handheld welding torches for MIG/MAG applications – increased performance, greater precision, robust usage

Hamburg – With BLACKline, a range of new handheld welding torches, currently DINSE comes on the market. Despite the fact concentrating on robotic welding mostly, DINSE again stressed how important handheld welding systems remain for the company. There is where the company's roots lie and given this in 2005 was their 50th anniversary year, they are going back to their roots. You will not be surprised to learn that this is another area where DINSE is amongst the top technology leaders and this is a fact certainly not overlooked by the classic users especially in shipyards, vehicle, apparatus and tank construction. Resilience for users and material alike is shaped by decades of user knowledge and extremely high levels of production quality. Ease of use, weight and functionality are harmonized to one another and ensure an ergonomically balanced design that welders have come to prize in their long working day.

The MIG/MAG handheld welding fittings, each available with MS or MG handles, can either be supplied as gas or water cooled version. Performance data for gas cooled torches range from loading with mixed gas up to 270A/40% ED, wire diameters of between 0.8 and 1.2 mm. Performance data for water cooled or twin-circuit water cooled torches range from loading with mixed gas up to 500A/60% ED, wire diameters of between 0.8 and 2.0 mm.

The torches with integrated PUSH-PULL wire feeder for the supply of soft and kink sensitive wires over long distance are also interesting. Water or gas cooled – the DINSE system remove large volumes of heat from the welding torches and this is the key to their significantly longer service lives. In DINSE welding torches, the shielding gas is always supplied separately which therefore rules out the possibility of gas losses. The adapted wearing parts is another intelligent system. The various torch variants comprise just a few basic components. This reduces the number of wearing parts that the user needs to hold in stock. Depending on use, different lengths of gas nozzle, cooling jacket, tip adapter as well as contact tips can be replaced quickly and flexibly.

Staff safety and environment concern are continually gaining in importance. Fumes are extracted directly from their point of creation thanks to fumes extraction. This is achieved by integrated complete systems or systems which can be retrofitted. The systems are light and mobile.

A complete system also includes the robust mobile wire feeder system. Thousands of tried and tested wire feeders from the DINSE GREENline brand operate with particular long service lives, without maintenance intervals through the DINSE disk motor. It assures consistent torque levels right across the speed range. Another important feature is that the wire feeders are compatible with all common power sources and their use can therefore be combined with great mobility.



The company founded in Hamburg by Wilhelm Dinse in 1954 is today one of the leading companies for welding and brazing systems in Europe. DINSE systems are used in the automotive and general vehicle industry, aircraft construction, agricultural engineering, in the construction of machines, plants and structural steel works, as well as in traditional shipbuilding. In addition to traditional manual welding systems, DINSE has developed automatic and robotic welding devices for many years. Based on standard components, DINSE systematically builds different system solutions. DINSE has users with technologically exacting demands in all areas of application, be it MIG/MAG, TIG, PLASMA or LASER welding and brazing.

Powerful handheld welding torches from DINSE
with increased performance and more robust long service life

Photo: DINSE G.m.b.H., Hamburg

