Press Information

Power supply with system:
DINSE is now reliable partner for the whole welding process

Hamburg – after more than 50 years of experience in manufacturing premium quality welding systems DINSE now completes its product range and brings a power inverter to the market. The idea of a modular power source corresponds to the desire of the customers for a complete system solution for the entire welding application from one single source. With the primary clocked power inverter, DINSE provides a highly efficient MIG/MAG system: One size of the housing, two performance levels – depending on the welding process it can be used with or without a cooling drive.

The DINSE power inverter is available as a basic module with 400 ampere and 550 ampere. Its compact dimensions and light weight guarantee an optimized capability of integration into the automation process. An integrated fan-cooling channel system with dust-protected electronic components minimizes the presence of dirt inside the power source. For this reason, the use of filter mats is no longer required.

For practical handling and problem-free processes, warning notes are displayed directly on the housing of the power source via LEDs. The operator panel shows error messages in plain text.

In terms of cost effectiveness and operating efficiency the electronic power factor correction (PFC) of the DIX PI 400 is a very interesting feature. Thanks to the clear reduction of the amount of reactive current consumption, the cross-section of the supply line can be reduced, which minimises installation costs significantly. Compared to conventional power source systems, the energy costs are lower.

All of the settings of the complete welding application can be easily set via a PC and quickly adapted at any time. A characteristic editor allows customer-specific presets. The flexible programming and software tools allow a process optimized design for a wide variety of applications. Inside the machine, 100 standard characteristics are managed for covering the most widely used processes. In addition, up to 100 special characteristics can be managed, which are suitable for optimally adapting the power source to special processes.

Furthermore the DINSE power inverter offers a new spray arc process called RMT (Rapid MAG Technology): It allows a highly concentrated, energy-rich electric arc which leads to an easier seam preparation thanks to 30° weld preparation angle (instead of 45°), an improved quality due to minimized warping and deeper weld penetration and finally a maximum increase of welding speed.

It is possible to control two wire feeding devices with one power source. In combination with a tool-changing system two different processes can be operated without manual intervention on one robot during alternating operation. Especially for the DIX PI 400/550 a high-quality drive unit was developed, the wire feed DIX WF 110S. It has a compact design and quick-lock couplings for more operating convenience and is available with all popular torch set connections. For extremely precise wire feeding it is optionally available with PUSH-PULL drive.
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.

www.dinse-gmbh.com

More information can be obtained from:

DINSE G.m.b.H.
Saskia Schmidt
tel.: +49 – (0)40 - 658 75-245
fax: +49 – (0)40 - 658 75-200
e-mail: schmidt@dinse-gmbh.com