

QINEO® BASIC

The low-cost alternative for professional manual welding



The cost-efficient access to the professional league

Low-cost, practical, reliable. These are the characteristics of the QINEO® BASIC step-switch MIG/MAG welding power source. Each detail is targeted for manual industrial welding. The welding power sources are equipped with synergic characteristic curves and capacity modules of 250 to 450 Amp. weld current. The best choice for the hard working life of a welding machine.

The advantages of QINEO® BASIC summarised:

- **Absolutely reliable**
Due to the robust modular construction and proven welding characteristics
- **Universally applicable**
Six capacity classes for all manual welding requirements
- **Highest quality**
Optimal ignition and welding characteristics
- **Easy to operate**
Synergy control as standard
- **Two housing versions**
 - Compact design with integrated wire drive unit
 - Separate wire drive housing for larger working areas (BASIC 450)



QINEO® BASIC 300 C

qineo®

250
Ampere

300
Ampere

450
Ampere



QINEO® BASIC 450 W

Quality from manual work

Whether thin plate or thicker materials: perfect weld seam quality is easily achieved with QINEO® BASIC – due to the excellent ignition, a quiet and stable arc and low spatter.



Short arc

Application

- Thin plates
- Welding under pure CO₂
- Repair welding

Advantages

- Uniform arc
- Low heat input
- Good gap bridging ability



The Short Arc process supplies a uniform arc which is particularly advantageous when welding thin steel. The classic industries are automotive construction, electronics, vehicle construction, heating technology, white goods and furniture. This process can also be used for reliable repair welding throughout all industry sectors and allows for welding under pure CO₂.



Spray arc

Application

- Medium and thick walled materials
- Mainly automated welding

Advantages

- Good penetration depths at high weld speeds
- Perfect side wall joints
- High-quality weld seams



The Spray Arc process provides advantages wherever high deposition rates and optimum penetration depths at high process speed are required. It is particularly suited for manual applications in sectors such as the construction machine industry, shipbuilding, railway and container construction.



All processes in one brochure

As a system supplier CLOOS have not specialised in just one welding process but have developed welding power sources which offer all common processes. Each process has its special advantages and application ranges, but also certain technical restrictions which are explained in our special brochure "Welding". Download or order at

www.cloos.de

Welding machines

	QINEO® BASIC 250 C	QINEO® BASIC 300 C	QINEO® BASIC 450 W
Weld current	30 - 250 A	30 - 300 A	30 - 500 A
Weld current at 40 % duty cycle	250 A	300 A	450 A
Weld current at 100 % duty cycle	160 A	190 A	350 A
Open circuit voltage	17 - 38 V	17 - 38 V	16 - 48 V
Mains voltage	230 - 400 V	230 - 400 V	400 V
Special voltages	On demand	On demand	On demand
Connection cable	4 x 2,5 mm ²	4 x 4 mm ²	4 x 6 mm ²
Mains protection	20 A - 230 V	25 A - 230 V	50 A - 230 V
	16 A - 400 V	20 A - 400 V	30 A - 400 V
Type of protection	IP22	IP22	IP23
Insulation class	H	H	H
Type of cooling	Air	Air	Water
Dimensions L/W/H (without wire drive unit)	830 x 500 x 740 mm	880 x 500 x 740 mm	1000 x 550 x 820 mm
Weight (without wire drive unit)	65 kg	92 kg	178 kg

CLOOS: Your brand for innovative welding technology!

Providing added value for our customers! This is the motivational force behind our 700 employees.

We are constantly raising our bar by pushing ourselves to provide innovative welding processes and solutions that will contribute to the long-term commercial success of your company.

Our process competence is at the forefront in welding and cutting of various ferrous and non-ferrous metals. We offer our customers individual solutions which are optimized and adapted specifically to your product and production requirements.

CLOOS develops, manufactures and delivers innovative solutions to more than 40 countries worldwide. With our **QINEO®**, the new generation of welding machines for manual and automated applications, and **QIROX®**, the system for automated welding and cutting, our product range covers the entire spectrum of arc welding technology. Our product portfolio includes intelligent software, sensor and safety technology solutions – all of which are customised to meet your specific needs and requirements!

Leadership and competence equals process automation and welding at its best.

Whatever your needs are, we “Weld your way.”

CLOOS provides full service solutions – all from a single source!

Benefits of choosing CLOOS

- Unique and customised process and product solutions:
→ Delivering you more commercial success!
- High level of industrial and engineering competence:
→ We know what matters to you!
- Professional advice and a high level of global service quality:
→ From start to finish, we are with you all the way!
- Superior quality and technological know-how:
→ “Made in Germany” can be relied on

We offer optimised solutions with maximum efficiency and a high degree of welding and cutting products that are customised to your application. And we have been doing this for over 90 years!

Cloos
Weld your way.



qineo® The new generation of welding power sources for manual and automated applications.

QINEO® are the high-quality welding power sources by CLOOS which have been developed specifically for commercial and industrial welding purposes. They meet every demand of manual and automated welding. Moreover the modular QINEO® system allows individual solutions which can be adapted to your specific production requirements and objectives. From capacity class to special equipment, each QINEO® is customised and supplemented by a comprehensive accessories program and matching services. With highest availability, shortest delivery times and best quality QINEO® welding power sources offer you considerable economical advantages.

Service

Active worldwide

There are more than 40 sales and service centres in our worldwide CLOOS organisation, which are at your disposal for sales and service. In addition, our experienced service team in Haiger can be called at any time for any problems. In this way we can ensure effective help on site if breakdowns occur.



Long service life guaranteed

With maintenance and inspection at regular intervals the technical availability of a CLOOS system is nearly 100 %. But if faults do occur, we can minimise downtime by means of a quick repair. This is ensured by well-equipped spare parts stores and a computer-controlled logistic system

Always at your service

Our Service-Hotline is free of charge and in the case of emergencies is available for you. Even in the case of products which have been in use for more than 20 years we have the expertise to answer all your questions.

Service-Hotline

☎ +49 (0) 27 73 85-132

Additional information regarding QIROX® the system for automatic welding and cutting can be obtained at www.qirox.de

QIROX®





Weld your way.

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