



CEMBRE

BA500 COMPRESSING IS NOW
EVEN EASIER AND MORE EFFICIENT





The **ADAPTIVE CONTROL** function guarantees optimisation of the crimping cycle, automatically interrupting the cycle when the two dies come into contact.

This innovative approach eliminates the need to reach maximum pressure at each cycle, as is the case with traditional tools, reducing tool wear and ensuring the same quality standards as maximum pressure crimping.

The advantages?

- **Less mechanical stress on the tool and longer component life**
- **Energy savings and longer battery life**

At the end of each cycle, the system provides an analysis of the energy reduction compared to the standard cycle, indicating the percentage savings (**SAVED ...%**).

Using the **HOLD** function, the tool stops automatically when the dies come into contact with the connector, without deforming it. This allows it to be held in place, facilitating complete insertion of the conductor and allowing correct positioning to be checked before crimping, thus **reducing errors**.

A smart solution for precise, efficient and long-lasting operations.



BA500 / HIGHLIGHTS



Adaptive Control (AC)



HOLD function



Electronic Pressure Sensor (EPS)



SMARTOOL Technology



Multifunction OLED display with capacitive touch button



Body and driving mechanism in STAINLESS STEEL



+30.000 adaptive cycles* for maintenance (*equivalent to 100,000 cycles performed on a medium-section connector)



Dual-speed feed system



BA500 / INTELLIGENT CRIMPING



Adaptive control

Adaptive control allows the crimping cycle to be completed when the two dies come into contact with each other, which is essential for correct crimping. This prevents the maximum pressure threshold from being reached during each cycle, as is the case with traditional crimping tools.



Display of parameters



The OLED display allows you to view various parameters, including:

- Pressure developed
- Battery charge status
- General operating information
- Number of work cycles
- Number of cycles before maintenance

Operational data acquisition technology



Thanks to SMARTOOL Technology, CEMBRE tools record operating data, work cycles and errors/malfunions in their internal memory. The memory can be read using CEMBRE software.



HOLD function



This feature allows the connector to be held between the dies without crimping it. This facilitates the insertion of the conductor into the connector and allows for verification of correct positioning before completing the crimping operation.

Always reliable and precise



The EPS electronic control system guarantees precision and repeatability of the crimping cycles because it relies on a reliable sensor dedicated to controlling and commanding the end-of-cycle function.



Adaptive service



The service interval of 30,000 cycles refers to standard tool operation. With the adaptive function enabled, this value is recalculated based on the pressure reached, expressing only the fraction of use actually employed, and bringing the service interval to 100,000 cycles when used on medium-section connectors.

BA500 / SAFE AND PRACTICAL



Comfort and convenience for the operator

The new design with reduced weight and balanced weight distribution make it easy to handle during use; the two-component plastic shell ensures adequate mechanical protection in all conditions of use.

Stop accidental activation

The start button is mechanically protected against accidental activation, and double-clicking at start-up provides additional safety for the operator.

Pressure release

Manual pressure release can be activated at any stage of crimping.

Robust and durable

The stainless steel body guarantees greater durability and reliability of the tool over time, reducing the number of maintenance operations



Double hydraulic speed

The patented dual-speed pumping system automatically switches from high speed for rapid approach to the connector and slower speed with pressure control during the crimping phase. This guarantees reduced cycle times, energy savings, speed and autonomy of operation.

Double safety for the user

The tool is equipped with a maximum pressure valve as an additional safety feature in addition to the internal pressure transducer (EPS).

No overheating

The air flows inside the tool have been optimised to ensure proper cooling of the components, allowing the tool to operate even under particularly heavy workloads.



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