CVIC Range

The CVIC system offers improved control, joint integrity and many more advantages over conventional tools.

The EB (Electric Brushless) tools are accurately controlled **to rundown and error proof by monitoring the power consumption** and angle rotation.

Easy Setup

The CVIC range can be setup fast - all parameters are auto-programmed as soon as the controller is switched on (all tool have a built in ID).

3 Programming options:

- **Quick Pprogramming:** enter only the target torque and max angle. The CVIC will optimize all other parameters to tighten to torque and monitor angle.
- **Learning:** simply enter the target torque, make between 3 and 5 tightenings and the CVIC will "learn" the joint rate and setup all parameters to give optimum performance.
- **Standard Programming:** Each parameter can be modified as the application requires.

2 Software versions are available in the CVIC range:

Version L: allows you to tighten at a programmed torque after self-learning of the joint and allows you to detect incorrect tightenings.

Version H: all the functions of the L plus on-controller memory with 7 cycles, each with up to 20 different phases.

Search sequence - Rundown - Final tighten - Action on Not OK - last 100 results stored.

Reliability & Quality of tightening

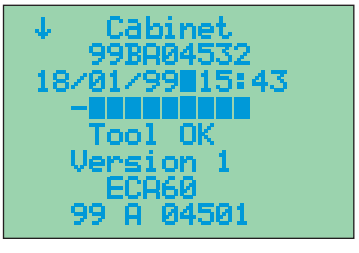
The quality of each tightening is checked with an OK or Not OK report shown by LEDs on the tool, on the CVIC display and with an output on the I/O connector.

The control of the assembly station by the CVIC eliminates the risk of delivering non conforming parts, (missed screws, re-tightening, etc.).

To ensure traceability of the fastening process results can either be reviewed on the controller - H version stores last 100 results - or sent to a database for storage.

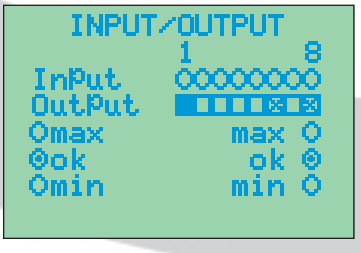
Reduce Cost of maintenance

The CVIC systems have been extensively for durability and exceeded all standards. The EB (brushless) motor is maintenance free.



Reading of the tool features

Tool rotating test



Reading of input/output

Mastering Assembly

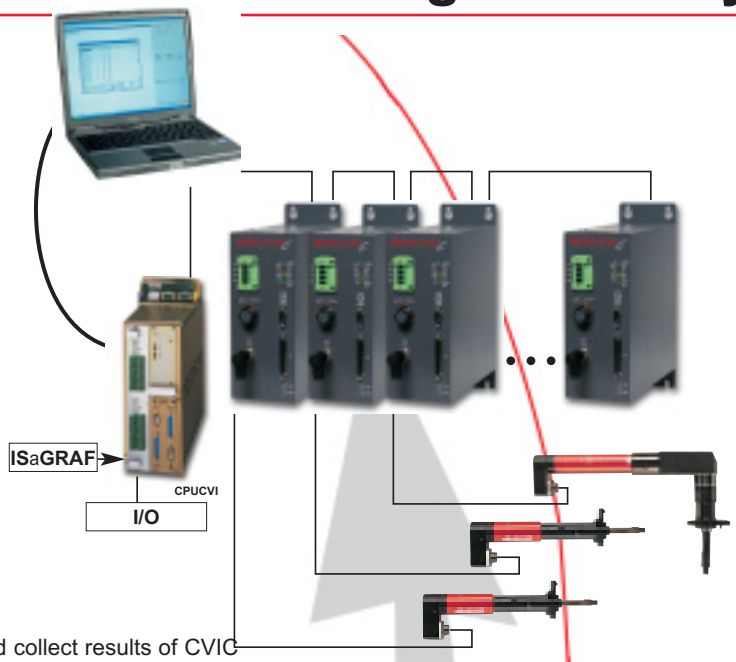
MULTICVIC - Flexible multi-spindle system

Control system 1 to 32 channels

- **The MODCVIC is the rack version of the CVIC.** It has no screen or keyboard. It is programmed by the CVIS/CVIPC 2000 software.

2 software versions L and H are available, with all the functions of the CVIC controller. The H version can be connected to a PC network to make programming easier.

- **The MULTICVIC** consists of MODCVIC modules and a CPUCVI which is the interface between a PLC and the modules. The CPUCVI centralises the control functions and the results while monitoring the MODCVIC.
- The flexibility of the MULTICVIC can be further increased by operating the available 26 input and 32 output connections of the CPUCVI module through an ISaGRAF process control application integrated in this module.



CVIPC2000 software

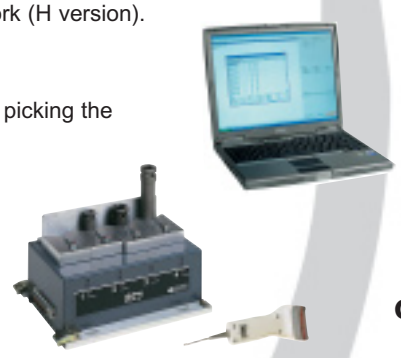
This common software of all CP EB controllers can program and collect results of CVIC range. It is possible to connect up to 32 controllers through a PC network (H version).

Socket tray

The socket tray allows you to automatically select a tightening cycle by picking the appropriate socket.

Bar code reader

- it selects a tightening cycle
- the bar code number is saved with the tightening results.

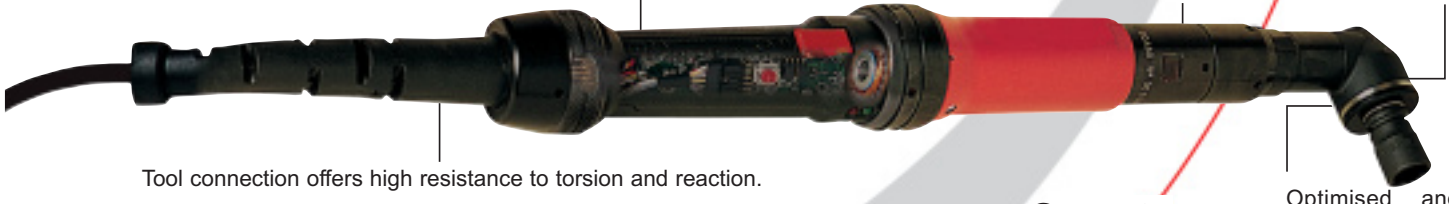


Connection ● of peripheral

Integral tool memory, which contains the torque tuning and tightening parameters, makes this a ready-to-use 'plug and play' tool.

Long lifetime gearbox

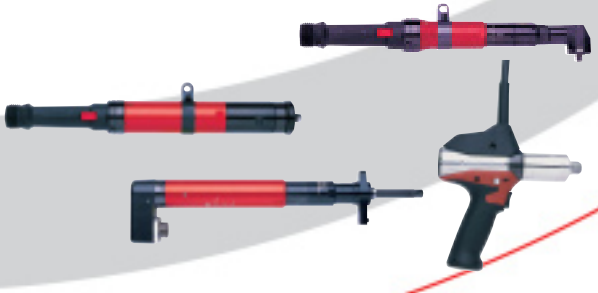
Adapter for geared offset head (crowfoot)



Tool connection offers high resistance to torsion and reaction.

Optimised angle head for extremely long life because of special treatment of angle pinions.

Operator ● Comfort



Designed with Ergosense in mind:

- Very low sound level, less than 70 dBA.
- Ergo stop function and comfort grip maximizes operator comfort.