

As the world's leading supplier of integrated hydraulic connector solutions, Manuli Hydraulics has always been focused on ensuring that hose assembly operations can be carried out easily, accurately and consistently regardless of the size of the assembly operation. The launch of the EVO modular range of benchtop crimpers was widely received as a huge step forwards in this respect due to the flexibility and choice the modular system provides, ensuring that there is always a level of crimper ideally suited to the scale of your operation.

One of the major features of the EVO range is the ability to choose between 3 different levels of control: SC for small scale, infrequent use; SCE for small to medium operations; and SCS for large volume OEM level assembly operations.

Of these three control systems it is undoubtedly the SCE system that offers the best performance and value for all but the very smallest and the largest scales of operations.

The SCE module offers a significant step up from the basic SC module with regards to automation, ease of use, quality control and mistake-proofing, whilst still maintaining a price-point on a similar level with the SC module version.

In addition to all the relevant features of the SC module machine, the SCE module offers:

- *Touch screen control with easy-to-use user interface*
- *Editable die-set list and programmed interaction with online crimp-data*
- *25 user defined assembly setups with BOMs and latest crimp-correction data*
- *Digital caliper connection for automated crimp-correction*



The perfect blend of simplicity and technology

Above and beyond the basic SC module, the SCE control module offers mid-level automation for fast, efficient setup and accurate crimping. Featuring Bluetooth connectivity to the Manuli Crimping App, the SCE module can be setup remotely from your mobile device, ensuring that only the most up-to-date crimping parameters are used.

In addition, up to 25 hose assembly BOMs can be stored locally to the system, including any crimping correction settings that have been used in previous crimping operations.

The SCE module also offer a unique connection to a set of digital calipers, allowing the user to measure crimped ferrules and automatically calculate and implement any correction factors to ensure the crimped ferrules remain within tolerance.

The editable die-set chart also allows users to program in the die-sets available. This allows the system to determine the most appropriate die-set to use for any particular operation, and sets the necessary parameters automatically.

With its intuitive user interface and intelligent system software, the SCE module is the ideal compromise between manual crimping and fully-automated OEM-standard mass production.

The table below illustrates the additional features that the SCE module offers.



Bluetooth enabled crimping



Digital caliper connection

CRIMPING FUNCTIONS	SC	SCE	SCS
Digital settings	✓	✓	✓
Electronic set stop	✓	✓	✓
Automated opening control	✓	✓	✓
Password protected maintenance ID	✓	✓	✓
Embedded die-set chart	✓	✓	✓
Online connection to crimping data	✓	✓	
Touch screen user interface		✓	✓
Editable die-set chart		✓	✓
Saved assembly BOMs and settings		✓ (25 max.)	✓
Digital caliper connection for crimp-correction		✓	
“Special die-set” charts			✓
Embedded crimping data			✓
Embedded ferrule rebound calibration			✓
Customised crimping sequence			✓
Operator / Supervisor ID			✓
Quality check through head pressure			✓
Automated crimp diameter measurement			✓
Quantity count to prevent uncrimped ferrules			✓
Step-crimping for tubing and thermoplastic			✓

Contact your local Manuli Hydraulics representative to find out more about this and other Manuli products