

Control C.2 / IPC

The CONTROL C.2 and new controller IPC with its intuitive operation for UNIFLEX crimpers, test benches and several more products has a colour touch display. The new menus (Quick-Start-Menu and Production Menu) as well as the possibility to individualize each and every menu and application will make your work much easier. Everything can be controlled via HID, i.e. via Windows devices. In addition, you can record, monitor and assure the quality of your product and how the machine works via the PFM option.



Control C.2 with screen protection option 807.2
HMI mit 7" Widescreen-Touch-Panel

interfaces:

- Ethernet RJ45
- USB
- Serieller Port (COM)
- Profinet
- Profibus

Production management for serial production, production in line with your own processes

- Endless item memory increases productivity and consistency
- Item data easily searchable for faster set up of the next part. Data set filtering for faster production
- Data sets can be read in via scanner
- Scanner menus can be linked to your production data set
- Intuitive operation

Service via network

- Simple organization of changes, maintenance and management of production data sets
- Central order management from the desktop saves time and money
- Windows based

Upload and download data

- Easily upload and download data using HID-compliant devices, such as external database, scanners, USB flash drive, Vernier calipers or remotely via the Internet



IPC

Industrial PC with 12" touch panel
integrated RFID reader

interfaces:

- Ethernet RJ45
- USB 3.1
- serial port (COM)
- Profinet
- Profibus
- CAN bus

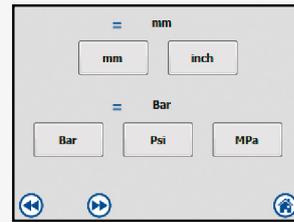
Start the machine and its control:

START Language



Language selection, other languages available upon request.

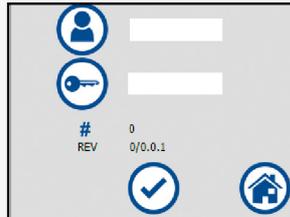
Units



Configuration units.

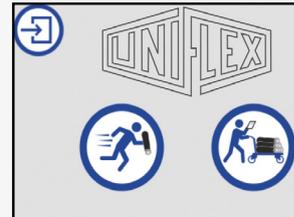
Different users are possible:

LOGIN User Login



Factory settings via user details and password with functionality assignments and user rights.

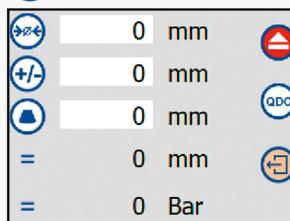
MENU Login by menu



Quick menu and production menu.

After Login, you have the choice: Quick Menu or Production Menu.

QUICK MENU



Input of the crimping dimensions, correction value and crimping dies (automatic).

PRODUCTION MENU



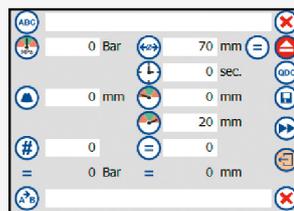
Four choices for selecting compression parameters quickly and easily. Selection menu includes pressing by dimension, by pressure, stored parameters in integrated database in the controller, or by use of a barcode scanner.

PRODUCTION MENU

- (1) Crimping by dimension (parameter)
- (2) By pressure (parameter)
- (3) Via the integrated database
- (4) Barcode scanner



Easily input crimping dimensions, correction value, hold time, aperture diameter, pre-selection of counter and crimping dies (automatic).



Easily input pressure, hold time, aperture diameter, pre-selection counter and crimping dies.

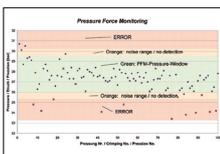


Search for and create articles numerically or alpha-numerically. Articles can be easily selected using the "Quick Search Menu".



Scan article data via barcode. (accessories)

Inclusive: Pressure Force Monitoring



PFM – Standard on all machines with Control C.2

Quality-enhancing option for series production. With PFM, the upper and lower pressure limits can be set by adjusting the tolerance values obtained from test pressing.

Pressures outside these limits are output as errors. It is possible to let the machine switch off at a fixed upper or lower limit, thereby obtaining a higher process safety. This way you can display and record combinations of incorrect hose and fittings, skipped work stage, such as skiving of the hose or a poorly positioned hose-fitting connection. Achieve integrated quality control without any additional effort.



Multistep



UDL (UNIFLEX) data logging



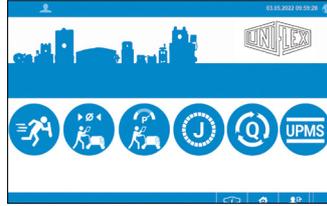
ICC – Industrial (hose) Crimp Calculator (with C.2 and IPC controller)

Automatically calculate your crimp diameter directly from your hose and fitting measurement based on compression. Includes the official agreed, tested and approved industrial hose crimp calculator/Interface with fitting and ferrule data from Mario, PT, Campbell and Dixon.

CONTROL IPC



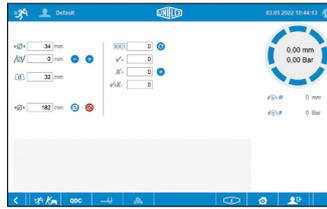
START MENU



INFO - CONVERSIONS, 2 COUNTERS - SERVICE, CONTACT



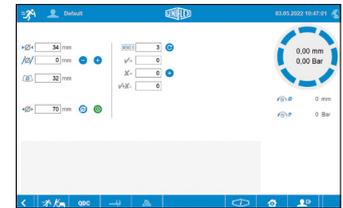
WORKSHOP MODE - QUICK START



Input of crimping diameter, correction values and die set (automatic).

QDC - CALL PRESS JAW CHANGE POSITION AND SUGGESTED PRESS DIES SET

CRIMPING BY DIMENSION MODE

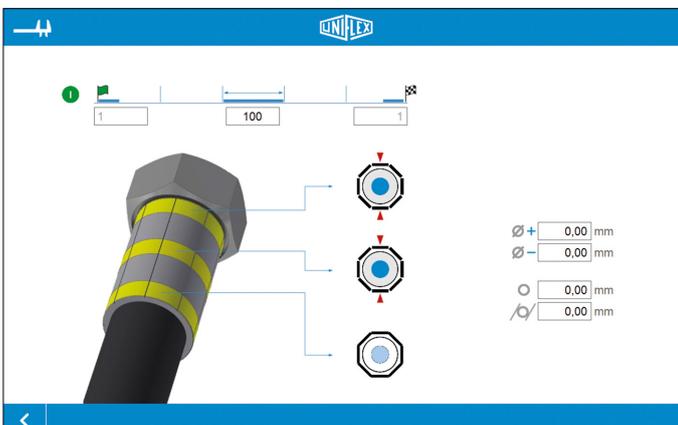


Input of pressing dimension, correction values, dwell time, opening diameter, preset number and dies set (automatic).

CRIMPING BY PRESSURE MODE

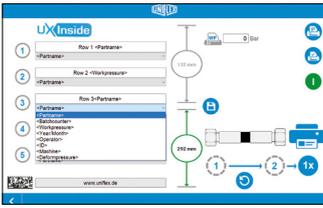
Input of pressure, holding time, opening diameter, preset number and dies set.

CALIPER



With the caliper, the forming results can be checked, including a freely selectable tolerance range. To do this, measure the workpiece at the point indicated by the red triangle.

LABEL



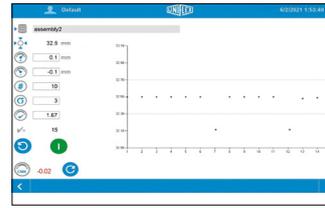
With the label printer and the UNIFLEX Label System ULS, a label can be printed automatic for each workpiece.

MULTISTEP



With interval forming, it is possible to perform a forming operation in several stages.

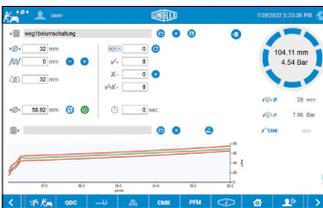
CMK



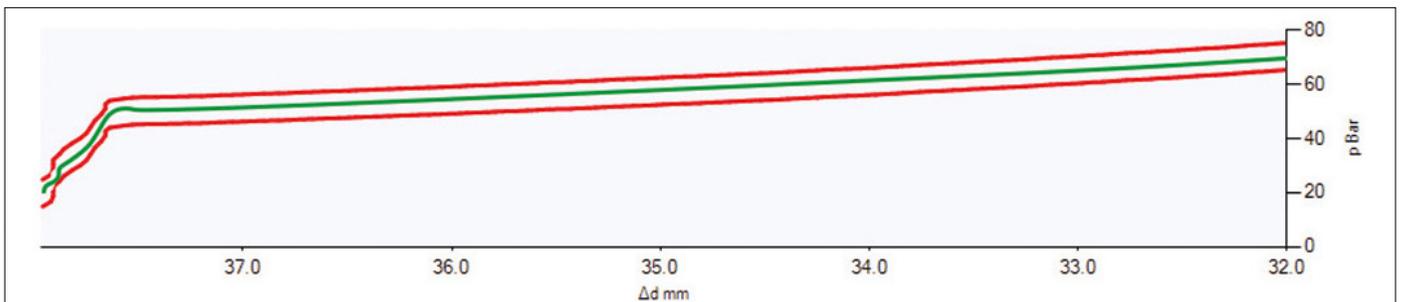
The machine capability index (CMK) describes the ability of the machine to meet the specified requirements. With the CMK function in the control, it is possible to set the characteristic values of the machine capability.



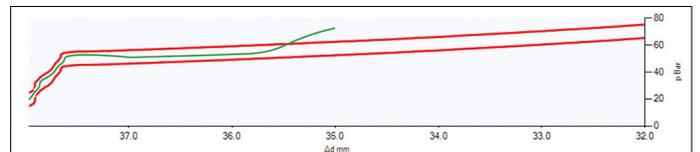
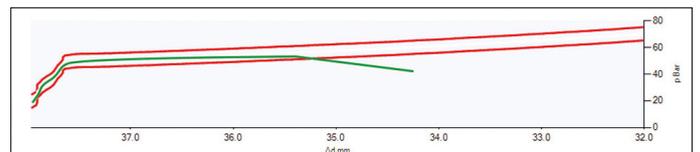
PFM



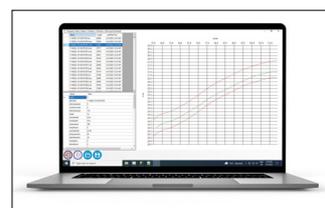
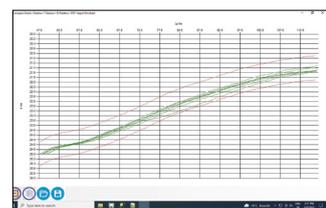
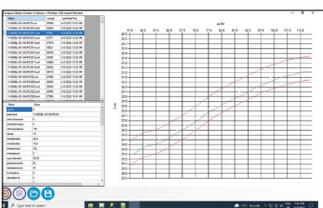
The PFM function enables forming to a defined pressure/diameter with monitoring of the minimum and maximum pressure/diameter. Enter the forming diameter. The forming diameter is the diameter to which the tool moves. The workpiece is permanently monitored during pressing every millisecond.



Every millisecond the monitoring system compares the crimping pressure and if there is an anomaly, it stops the crimping instantly. The functionality allows to detect repeated crimping, non adapted dies sets, non conforming crimping parts (non conforming ferrules, inserts, hoses), non conforming skiving and also non conforming insertion of the parts. All these data are recorded and can be reviewed at any time.

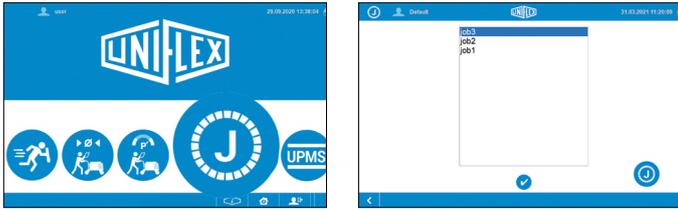


COMPARE CHARTS



In addition, diagrams of the data sets can be called up here directly from the pressed workpieces.

JOB-MODE



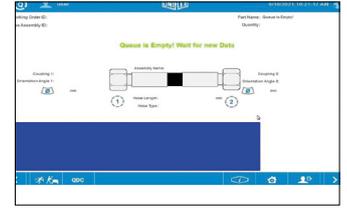
With the job mode, it is possible to bring several transformations from different data sets, which are deposited in the database, into one work order.

QUEUE MODE



The queue mode executes individual press data records stored in a database one after the other during production managed from the server.

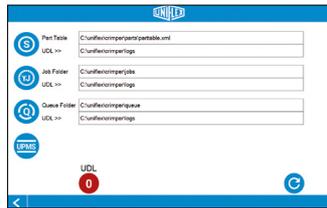
QUEUE SETTING



IoT - INTERNET OF THINGS



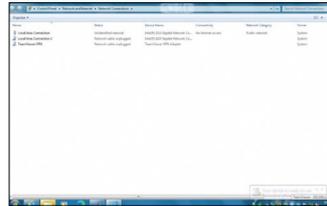
IoT menu



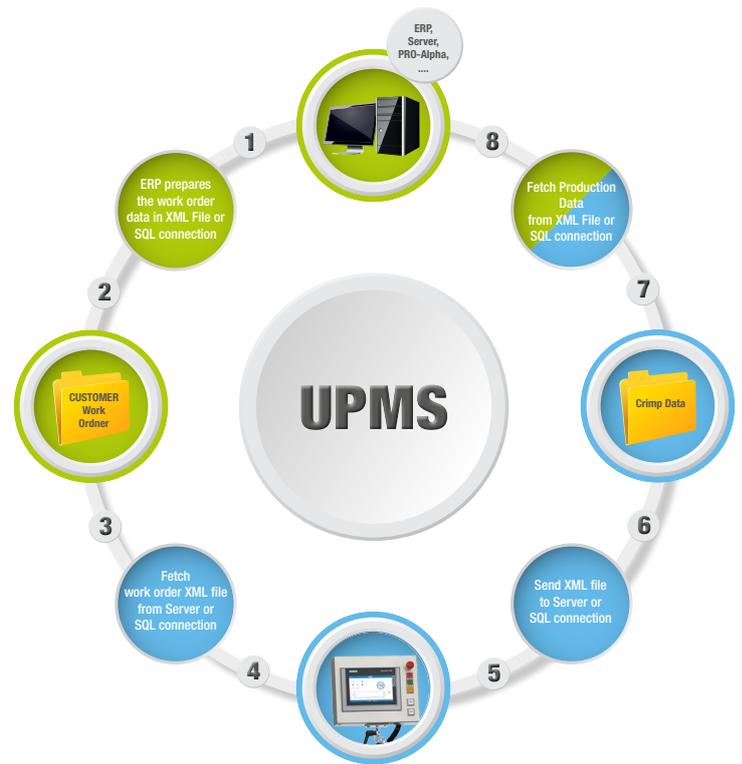
File path setting
(Part table, Job folder, Queue folder)



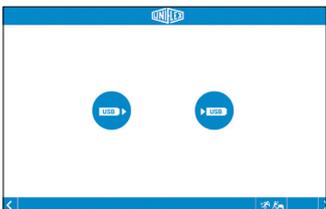
In the log file overview, stored press parameters are displayed.



Network settings



USB



Loading the data from the USB

RFID



The RFID reader enables automatic logon to the machine with an RFID chip.

UNIT OF MEASUREMENT SETTING



The currently set unit of measurement is displayed in green. Tapping a key sets the corresponding unit of measurement.

LANGUAGE SETTING

