Options and accessories

for crimpers

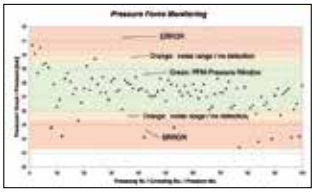
Control C.2

The new Control C.2 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

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

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

Industrial calculator

Crimping by Pressure

UDL

UDL (UNIFLEX) data logging

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.

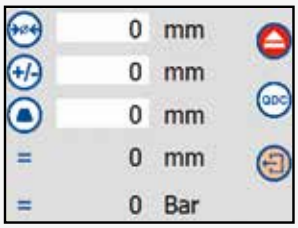
MENU Login by menu

Quick menu and production menu.

After Login, you have the choice:

Quick Menu or Production Menu.

QUICK MENU



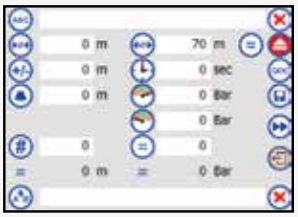
Input of the crimping dimensions, correction value and crimping dies (automatic).

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)



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

(2) By pressure (parameter)

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

(3) Via the integrated database

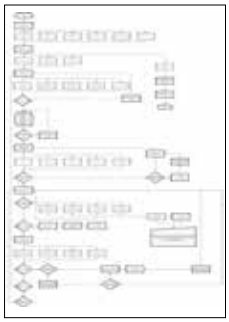
Search for and create articles numerically or alpha-numerically. Articles can be easily selected using the "Quick Search Menu".

(4) Barcode scanner

Scan article data via barcode. (accessories)

Option: Corporate programming as a special solution

Customized software



Paperless communication:

Communication with server or machine. Order management via digital interface.

XML/CSV interface:

External database connection. Allows you to retrieve and save the documented production data.

Operating mode configurations:

Communication with the server or with other machines.

Topics customized in line with corporate identity:

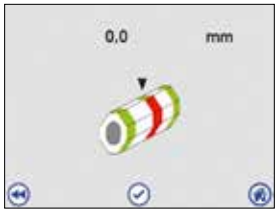
CI-compliant menus.

Accessories for C.2

Order number:
Calb CtrlC C.2 (software + hardware)

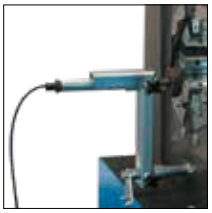
Calibrating your machine is simple using digital measurement via the software and the calibration mandrel.

Order number: Kit 800.610 + 800.606/Caliper Ctrl C 3 inch or Kit 800.610 + 800.609/Caliper Ctrl C 4 inch



Measuring point menu with foot mouse/Vernier caliper (3 or 4"): Quality testing using calipers and foot mouse (as OK button). With the digital calipers, you can also check the crimping dimensions for conicity and ovality (number of measurement points). The pictogram-driven menu control guides you through the entire process.

Order number:
TA(A)



Depth stop

PS.2 Double

Double foot pedal

807.2

Screen protection

Order number:
BCR Ctrl C.2

Barcode scanner

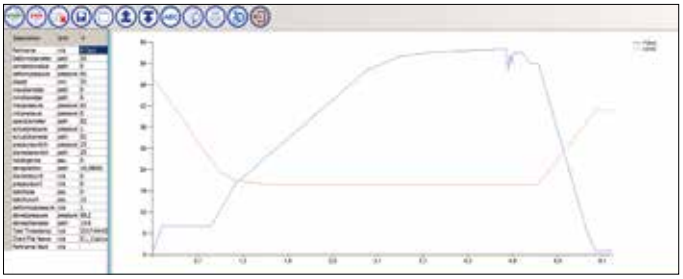
800.610

Foot mouse for controller interaction

RFID
CTRCC

Options

PFC Pressure Force Control



The UNIFLEX PFC (Pressure Force Control) option offers two ways to stop a compression – based on the distance travelled or the applied force, as happens with PFC. Stopping a compression stroke due to applied force can meet certain application requirements, specifically those where material behavior must be taken into account. This also makes it possible to press brittle materials, such as fibre glass. Many industry-leading glass insulator producers are already using PFC profitably.

PFC provides readings of pressing power and pressing position at any time during the pressing process. These measurements are displayed and analysed graphically. On the basis of just a few test pressings, you will learn exactly how to have the machine produce the perfect final assembly. This process can then be repeated by setting the pressing force, the rate the force increases and the precise time to switch to stop. By saving these values to the controller, you can improve productivity through shorter set up time and consistent quality can be achieved, thereby dramatically increasing customer satisfaction and profitability.

Other options:

DMS (Strain Gauges)

Option for HM 3xx crimping machines.
Force measurement directly applied to the master dies. One or more sensors are installed according to the application and precision requested. This achieves a more precise crimping force and avoids variations due to the hydraulic system or friction. Advantages include faster detection of the insertion depth of the fitting, variations in the material, and hose tolerance. The position of the fitting can also be defined to reduce conicity.

Order number: 807.602

Touch panel with 1800 mm cord.

ULS.2-C

ULS
(UNIFLEX labelling system)

ULS.2-APP for Tablet or PC

Tablet/iPhone Not provided.

Advantages of Hose assembly Management

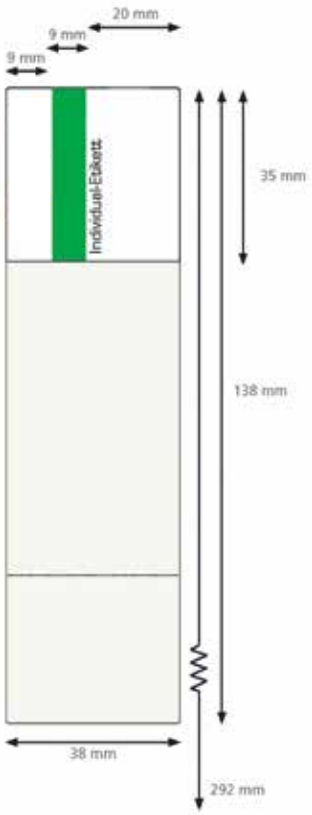
Benefits of labels and what they can tell the user:

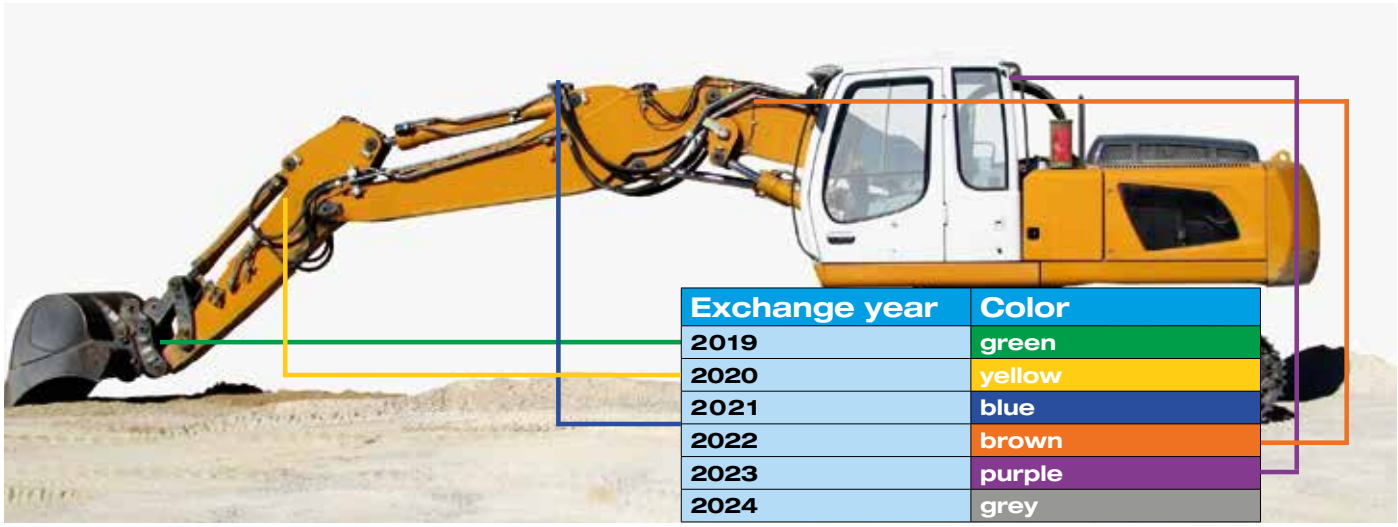
- Which components need to be replaced and when
- The date of the exchange
- The potential hazards of the machine
- The plan for preventive maintenance
- Minimizes cost of maintenance
- Avoids equipment failures and long downtimes
- Publicity for your company

Uniflex Labelling System – ULS Ecoline

Part numbers ULS ECOLINE

Pos.	Article	Content		Part No.	
1	Printer			ULS.2-C ULS.2-APP	to integrate with our control to use on mobile phone or tablet with an APP
2	Color ribbon for Printer	Cassette with labels, white (black) (74 meters)		888.469	
3	Banderole	5000 pieces			Material
		Color bars	Banderole 138 mm	Banderole 292 mm	- Transparent preprinted oil- and acid-resistant banderole - High-performance vinyl - Strongly adhesive, permanent - Specifically designed for the surface of rubber and thermoplastic hose
		Green	507.1_CP	507.1 XL_CP	
		Yellow	507.2_CP	507.2 XL_CP	
		Blue	507.3_CP	507.3 XL_CP	
		Brown	507.4_CP	507.4 XL_CP	
		Purple	507.5_CP	507.5 XL_CP	
		Grey	507.6_CP	507.6 XL_CP	

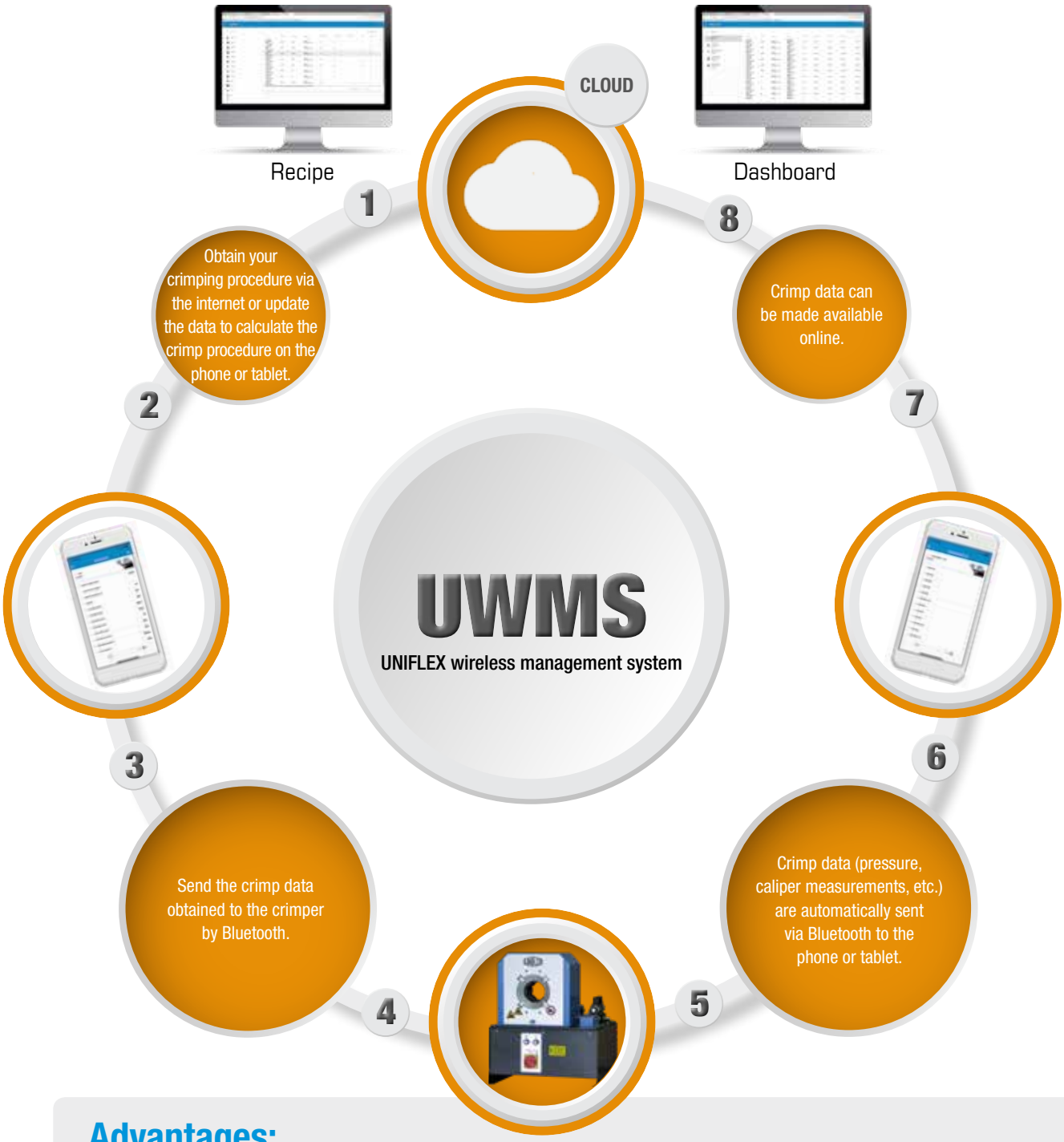




Exchange year	Color
2019	green
2020	yellow
2021	blue
2022	brown
2023	purple
2024	grey

UNIFLEX Wireless Management System (UWMS)

UWMS (Uniflex wireless management system) allows you to put your crimping procedure on a server and keep this information up to date. Customers can access the information via an app on a phone or tablet connected to the internet and send it to the crimper by Bluetooth. All you need to do is change the dies. Crimp data and measurement information, such as the date, time, and the assembly serial number are automatically sent to your server or tablet via Bluetooth and are then available online.



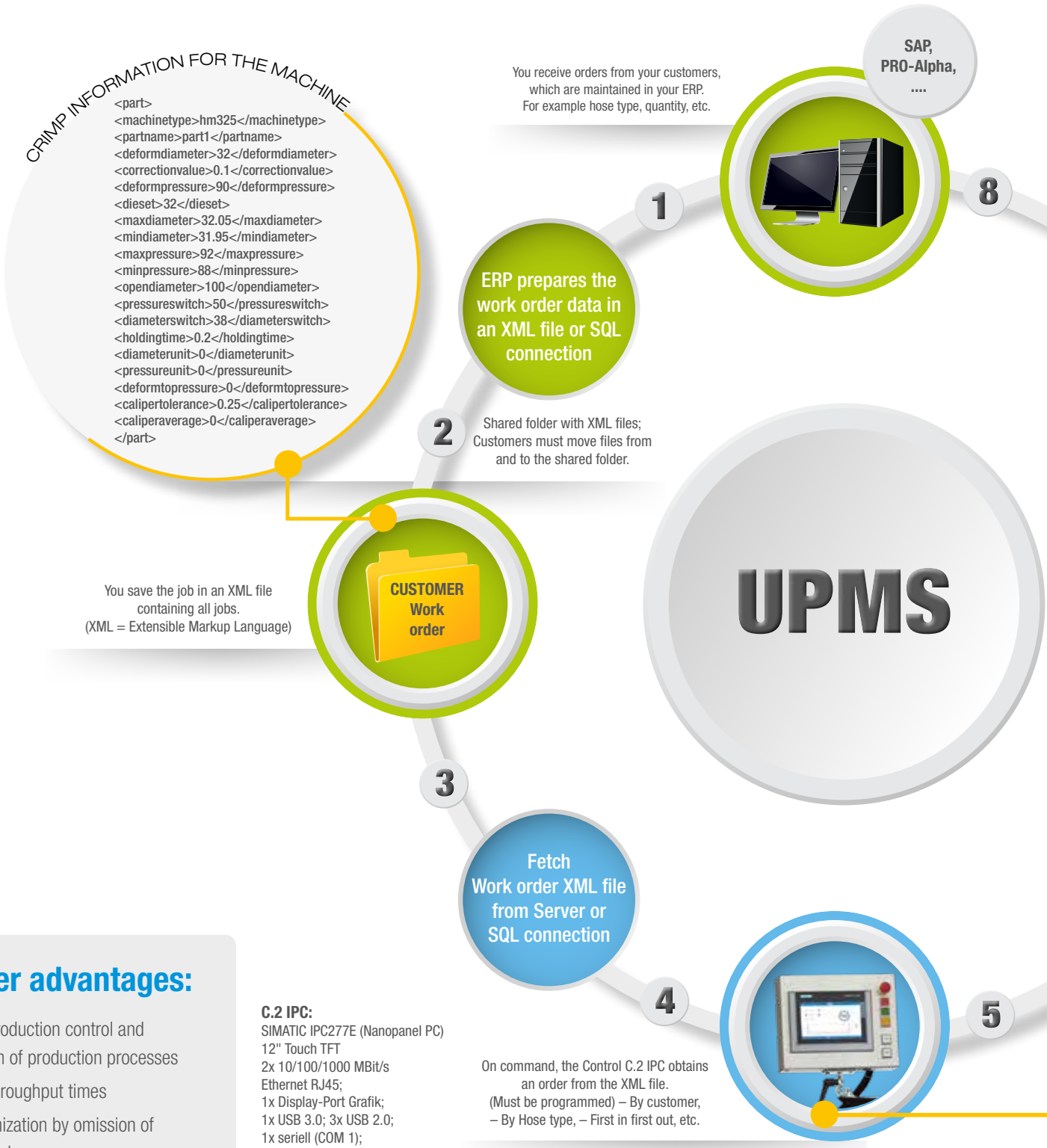
Advantages:

- Keep customers up to date with the latest crimping specifications.
- Obtain valuable information about your crimper (No. of crimping operations, crimping specifications, crimping data)
- Use serial numbers to build traceability and reorder systems.
- Evaluate your market (what you sell, where you sell)

UNIFLEX Paperless Management System (UPMS)

UNIFLEX has developed a complete Paperless Management for easily sending data directly from your ERP to a dashboard.

This allows you to manage all your machines by giving them working orders and retrieving production information from each machine. This gives you the flexibility to organize your production machine by machine (For example: the cutter can cut all



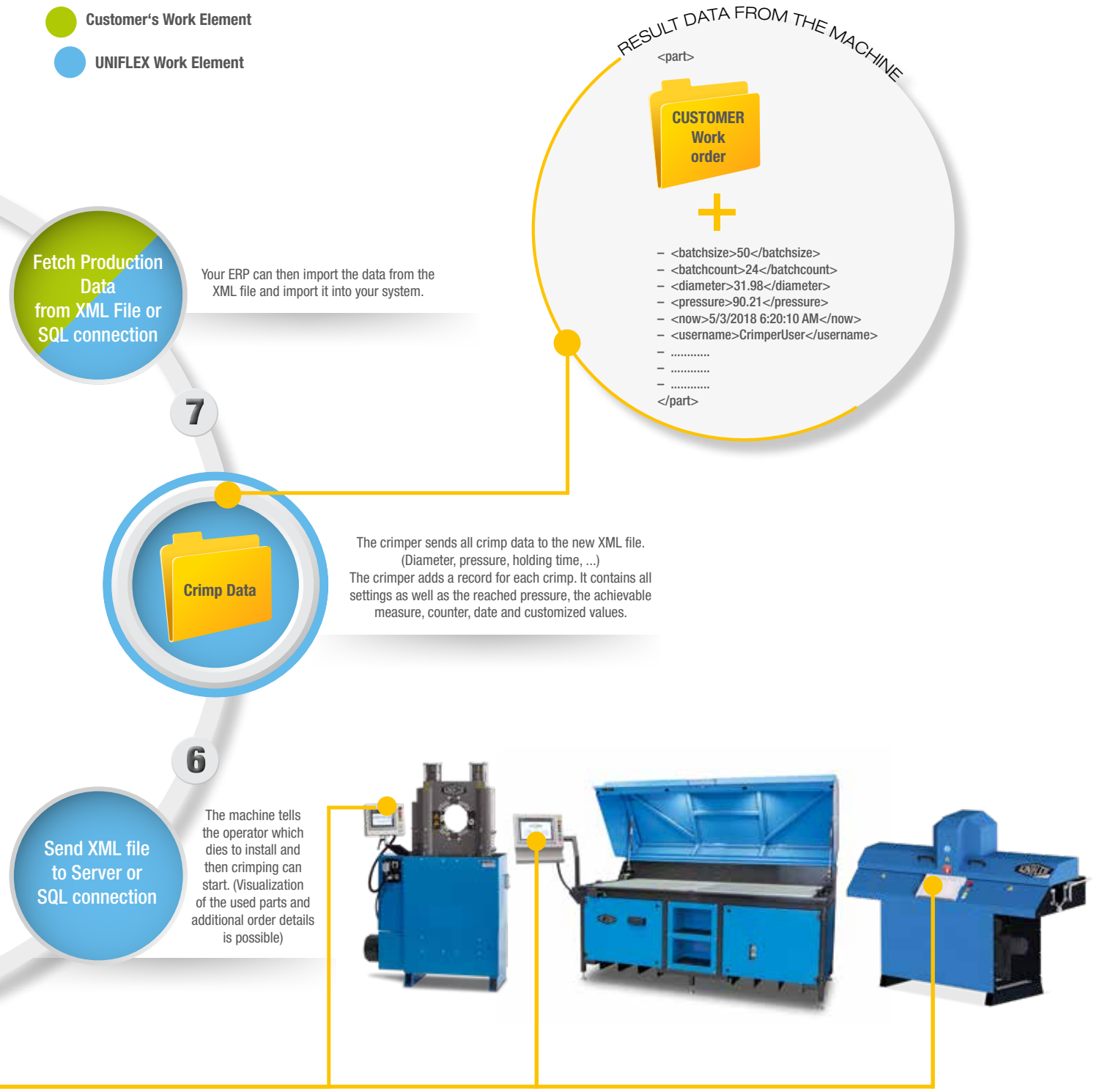
Customer advantages:

- Targeted production control and optimization of production processes
- Reduced throughput times
- Error minimization by omission of manual inputs
- Traceability of production data
- Statistical evaluation of production data

C.2 IPC:
SIMATIC IPC277E (Nanopanel PC)
12" Touch TFT
2x 10/100/1000 MBit/s Ethernet RJ45;
1x Display-Port Grafik;
1x USB 3.0; 3x USB 2.0;
1x seriell (COM 1);
CFAST-Slot;
Celeron N2807 (2C/2T)
4 GB RAM
Windows 7 Ultimate SP1, 64 Bit;
MUI (de, en, fr, sp, it)
80 GB SSD

hose sizes installed for customers, while at the same time you can decide to crimp according to individual orders and test the kitting order with the test bench.

The System returns all the relevant quality information you need to make sure your product is made to specifications. Stored data can be used not only for traceability but also for analyzing your productivity. This will optimize your production processes, reduce your administrative tasks and improve your quality control.



QDS 239S, QDS 239 S or QDS 239 T

Store the dies directly at the machine. Can be mobile or bolted to the machine frame.

QDS 239 R

Store the dies directly at the machine. Can be mobile or bolted to wall or TU.

Oil Cooler

Reduce heat, increase permanent tolerances.

OCS 10 retro

Camera system – the alternative to the mirror, for a better sight line adjustment.

TU-Rack 18-PB239

Workbench for miscellaneous machines includes die storage.

QDS 239 B

SPIEGEL/SHS

Allows the operator to watch the correct position of the part to be crimped behind the machine.

LUF

Light for the rear side of the machine.

TA

To position the fitting inside the head and/or to activate the crimp cycle automatically.

QDC 239.5

PTS SYSTEM

Marking and crimping in one step according to DIN 20066 and EN 853, EN 854, EN 856, EN 857.

PTS 52: character 4,0 x 2,0 mm/marking depth ca. 0,3 - 0,5 mm

PTS 32: character 3,0 x 1,5 mm/marking depth ca. 0,3 mm

Dies	Ø mm
261	14 - 47
263	14 - 32
265	54 - 71
266 L	54 - 78
239/239 L	14 - 50
232 L	14 - 90
237 L	54 - 121
554/246 L	on request

Number of characters

P 200, 202, 204, 213, 261, 265
always 10 each

P 262 /263
Ø 14 – 32 = 17 each

P 239
Ø 14 – 24 = 12 each
Ø 26 – 50 = 17 each

P 239L or P239-xx-Øyy
Ø 14 – 22 = 14 each
Ø 24 – 40 = 15 each
Ø 44 – 50 = 10 each

P 232L
Ø 17 – 20 = 21 each
Ø 24 – 28 = 22 each
Ø 32 – 44 = 24 each
Ø 47 – 62 = 10 each
Ø 67 – 90 = 11 each

P 237L
Ø 54 – 67 = 24 each
Ø 71 – 121 = 11 each

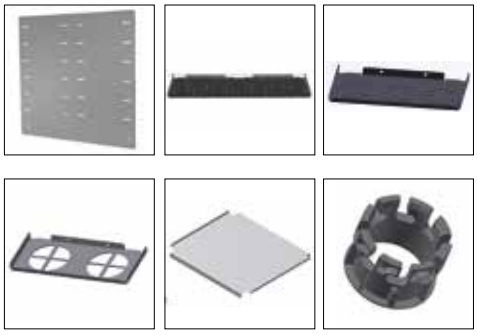
P 266L
Ø 54 – 78 = 10 each

UMAT

Mobile Working Station

L x W x H (mm): 800 x 1200 x 755
Weight 160 kg
Drawers L x W x H (mm):
2 = 564 x 572 x 50
2 = 564 x 572 x 100
Load Weight Drawers: 75 kg

Accessories
TU-QDS F SHELF
TU-QDS F 239I
TU-QDS SHELF PB280

Description		For	Accessories
TU Work Bench capable of supporting up to 800 kg		Universal	
TU–QDS F Basic Basic with screws		Universal work bench TU	
TU-QDS FXL Shelf Variable with screws		TU-QDS F Basic	
TU-QDS F Shelf Variable with screws		TU–QDS F Basic QDS-S.2 single row QDS-S-2 double row	
TU-QDS F 239I 3 pieces in set		TU-QDS FXL Shelf TU-QDS F Shelf	
TU-QDS F Shelf PB280 for PB 280		TU–QDS F Basic QDS-S.2 single row QDS-S-2 double row	
QDS-S.2 single row Basic Support		HM 220.3 HM 225.3	
QDS-S-2 double row Basic Support		HM3xx.2 S6.3A+C S8.2/S8.3 S10.2/S10.3 HM245.4	
QDS 237.239S RAL5012 Basic Support with TU-QDS 239i		HM3xx ab Bj.2010, HM3xx.2 S6.3 S8.2/S8.3 S10.2/S10.3 HM 245.2/HM 245.3/HM 245.4	

Description		For
QDS 239 S Basic Support with TU-QDS 239i		HM3xx ab Bj.2010, HM3xx.2; HM220, HM220.2, HM220.3 HM225, HM 225.2, HM225.3 S6, S6.2, S6.3 S8, S8.2, S8.3 S10, S10.2, S10.3
QDS 280 B RAL 7021 For 9 Set PB 280		PB 280
QDS 239 B RAL 7021 For 9 Set PB 239		PB 239
QDS 239 R For 9 set PB 239		TU
QDS 239 C Wheeled support for 12 set PB 239		PB 239 PB 237
QDS 239 T Wheeled support for 24 set PB 239		PB 239 PB 237
TROLLEY Wheeled support 777.8 LxWxH (mm): 1720 x 660 x 200 Weight: 75 kg Load Weight: 800 Kg		HM 3xx, HM 220/225, HM 245, S6/S8/10 EM 115

Options and Accessories

For Cutting Machines.

Suction device UVC 100

Suction device for all cutters
Suction: Ø 100 mm
Spark arrestor, Filter alarm
517.025: Active Carbon filter (Pellets)
517.012: Filter HEPA H 13
517.010: Wire filter
517.011: Cassette filter
Drive: 5,5kW 3 VAC
Nominal air flow: 8 600 m³/H
Noise level: 60 dB(A)
Option: Suction arm
UVC 100 Adapter:
330.083.3: Ø 40 mm, EM 1S, EM 3.2DC, EM 4 DC, EM 6 DC
330.081.3: Ø 60 mm, EM 8.3, EM 6.2
330.082.3: Ø 80 mm, EM 3, EM3 DC, EM6, EM 8, EM 8.2
L x B x H: 1 550 mm x 475 mm x 1 080 mm
Weight: 140 kg

Suction device UVC 36

Suction device with spark arrestor
(UVC S36-21 + UVC S36-FL)

UVC 36 Adapter

Art.

777.153: Ø 40 mm, EM 1S, EM 3.2DC, EM 4 DC, EM 6 DC

777.055: Ø 60 mm, EM 8.3, EM 6.2

777.056: Ø 80 mm, EM 3, EM3 DC, EM6, EM 8, EM 8.2

Nominal air flow: 216 m³/H

Noise level: 57 dB(A)

UHG 14 + UHG 14 ext

UHG 14 Hose guide 2 000 mm and
UHG 14 ext. extension guide 1 000 mm
for all cutting machines

329.1 (for EM 6 M) | 323.1 (for EM 8)

Resettable cutting counter

UWT 2 vs (optional UMS 4 + 514.1)

Electric driven hose coiling reel with foot pedal for easy winding and unwinding of hoses up to 1¼" optional with length measuring device incl. foot stand.

RPM per Pedal
0 to 61 RPM

Maximum Load	80 kg
L x W x H	800 x 900 x 1 600 mm
Weight	70 kg

UMS 4 + 514.1 (floor stand)

Hose measuring tool up to 1¼",
01 OD Ø 65 mm can be mounted in front of the cutter or on a hose coiler.

Measures up to 999,99 m

tolerant	2 - 7%
L x W x H	250 x 260 x 120 mm
Weight	5 kg

Metric unit only

513.1 (Accessory)

Plate for USH 4

Spark arrestor

330.1 EM 1 to EM 8
330.2 EM 120 & EM115

UAT 4

Hose winder for storing hoses
Ø 1 200 mm

L x W x H	820 mm x 900 mm x 1 600 mm
Max. load	80 kg
Weight	70 kg

Center pin set up

Smallest	Ø 277,5 mm
Biggest	Ø 577,5 mm

USH4-50

Hose winder for the easy storage of your hydraulic hoses, up to seven levels.

cage-Ø outside/inside	820/760 mm
external dimension	1 000 mm
level high	310 mm
Cage ultimate load	80 kg

513.1:
Plate with fixing bolts
USH 4-5 Height 1 650 mm

778.2

Wheel option for TU-UWT

TU

Workbench for miscellaneous machines
(84 x 71 x 75 cm)
Max. load: 800 kg