

# Desoutter



# Industrial Tools



# CONNECT

Desoutter

BOOST YOUR  
FLEXIBILITY

BOOST YOUR  
UPTIME

BOOST YOUR  
PRODUCTIVITY

More Than Productivity



# CONNECT INDUSTRIAL SMART HUB

## MULTI-TOOL SOLUTION

Up to 20 tools connected  
to only one CONNECT.

## SINGLE POINT OF CONNECTION FOR UP TO 20 TOOLS

With only one safety power supply  
With only one Ethernet/fieldbus connection  
With only one stand to mount the CONNECT.

## FOOTPRINT OPTIMIZATION

With a volume of only 4L,  
the CONNECT can be installed  
anywhere, under any constraints.

## EASY LINE REBALANCING

Pair the tool in less than 10 seconds,  
with easy RFID pairing feature.



## CAPACITIVE INDUSTRIAL GRADE TOUCH SCREEN

With several display options and quick response time.

## FINE-TUNES SETTINGS & SCALABLE SOLUTION

With feature management fine-tunes the Tightening Units by loading only features needed for each application.

## FEATURE REBALANCING

Easy feature rebalancing from tightening unit to another one.

## REMOVABLE INTEGRATED MEMORY

Transfer DATA and settings from one CONNECT to another in a fast and effective way.

## BOOST YOUR FLEXIBILITY

- ▶ GET WHAT YOU REALLY NEED WITH FEATURE MANAGEMENT
- ▶ MULTI-CORDLESS TOOL SOLUTION
- ▶ SINGLE CONNECTION TO PLANT SYSTEM
- ▶ COMPATIBLE WITH ALL DESOUTTER WIRELESS COMMUNICATION TOOLS  
*(With IEEE 802.11 Wireless communication)*

## BOOST YOUR UPTIME

- ▶ KPI MANAGEMENT *(Key Performance Indicator)*
- ▶ FAST TOOL REBALANCING WITH EASY PAIRING
- ▶ FAST DATA & SETTINGS TRANSFER FROM ONE CONNECT TO ANOTHER ONE WITH REMOVAL BACK-UP MEMORY
- ▶ NO RISK OF ERRORS IN WIRELESS NETWORK SETTINGS DUE TO EASY PAIRING PROCESS

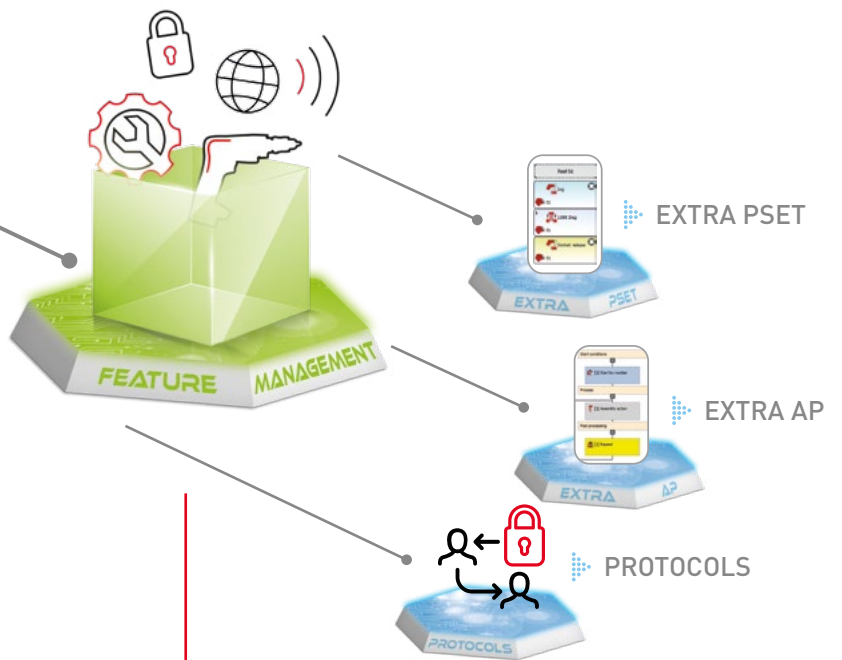
## BOOST YOUR PRODUCTIVITY

- ▶ DATA INTEGRITY
- ▶ FULL TRACEABILITY
- ▶ TIGHTENING PROCESS OPTIMIZATION  
*(Fieldbus/protocols - tightening strategy / assembly process...)*
- ▶ FULL ERROR PROOFING WITH ADDITIONAL ACCESSORIES



CONNECT has been designed to meet today's and tomorrow's demanding production processes.

- MULTI-CORDLESS TOOL SOLUTION
- SCALABLE SOLUTION
- EASY TOOL & FEATURE REBALANCING
- FULL TRACEABILITY



### INDUSTRIAL SMART HUB

*CONNECT is a powerful platform able to manage all items related to the assembly line*

With error proofing accessories and full traceability management for up to 20 tools, CONNECT is a solution with a **HIGH LEVEL OF CONNECTIVITY** to manage and control the assembly line under all circumstances.

### FEATURE MANAGEMENT

*FEATURE MANGEMENT is a scalable solution which allows you to get what you really need*

With its **HIGH LEVEL OF FLEXIBILITY**, you can add new features whenever the requirements on your production line change. You just have to activate the feature and it is ready to use.

# MULTI-CORDLESS TOOL SOLUTION

## CONNECT-W

With embedded access point  
Up to 10 tightening units activated

With **CONNECT-W**, 10 tightening units can be activated which means 10 cordless tools can be paired.

## CONNECT-X

Requires an external access point  
Up to 20 tightening units activated (No embedded access point)

With **CONNECT-X**, 20 tightening units can be activated which means 20 cordless tools can be paired.



## TOOL RANGE COMPATIBLE

COMPATIBLE WITH ALL DESOUTTER CORDLESS TOOLS with IEEE 802.11 wireless communication.



## SINGLE POINT OF CONNECTION

UP TO 20 TOOLS CONNECTED with a single point of connection

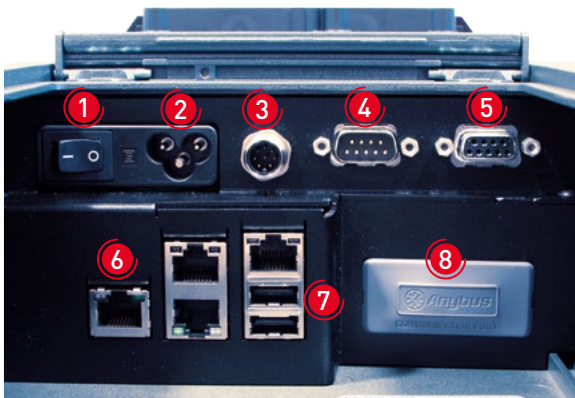
SINGLE POINT OF CONNECTION



ONLY ONE SAFETY POWER SUPPLY FOR UP TO 20 TOOLS

ONLY ONE ETHERNET/FIELDBUS CONNECTION FOR UP TO 20 TOOLS

FOOTPRINT OPTIMIZATION *(only one stand for up to 20 tools)*



- ① Switch On/Off
- ② Auto-Sensing Voltage 110-240V
- ③ 24V power supply
- ④ RS 232 port
- ⑤ eBUS port (Bus dedicated to Error Proofing Integration accessories - EPI)
- ⑥ Ethernet switch with 4 Ethernet ports (including one POE)
- ⑦ 2 USB ports on connector panel + 2 USB ports on front panel
- ⑧ Plug & Play Field bus card port

## FULL ERROR PROOFING

Thanks to error proofing accessories on a dedicated communication bus, the process is 100% reliable and under control.



## TOOL'S REBALANCING

### EASY WIRELESS PAIRING

With easy wireless pairing, transducerized tool is paired in less than **10 seconds**



## REMOVABLE INTEGRATED MEMORY

### FAST DATA & SETTINGS TRANSFER

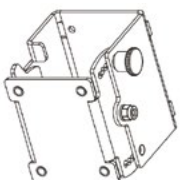
Removable integrated memory (RIM)



## ADVANCED WALL MOUNTING

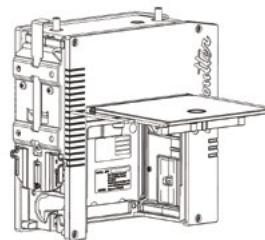


Advanced wall mounting allows to tilt CONNECT in several positions in order to always have an easy information access and check

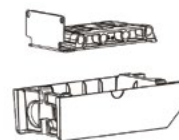


ADVANCED WALL MOUNTING

## IP 54 KIT



IP 54 kit is used to protect CONNECT from dust and splashed water for demanding workstation environments



IP 54 KIT



## GET WHAT YOU REALLY NEED WITH **FEATURE MANAGEMENT**

**FEATURE MANAGEMENT** is a scalable solution in order to provide a high level of flexibility to meet requirements. With feature management, you can add or remove a feature whenever you want or whatever the feature.

### HOW DOES IT WORK ?

Activate a Tightening Unit to pair a cordless tool.



For more demanding applications, it is possible to activate additional features.

Each Tightening Unit activated includes a Standard package.

The standard package has been built to meet with more than 80% of requirements.



4 TYPES OF TIGHTENING UNITS [TU] ARE AVAILABLE ON CONNECT PLATFORM WITH DIFFERENT STANDARD PACK FEATURE LEVELS

### STANDARD PACK

	TU Premium	TU Essential	TU QShield	TU E-LIT wifi
<b>Compatible tool</b>	EABC, EPBC, EABS, BLRTC	EABC, EPBC, EABS, BLRTC	QShield-C	ELC-P-W, ELC-A-W
<b>Number of Pset</b>	10	6	10	4
<b>Number of Assembly Process</b>	10	6	10	4
<b>Live Results</b>	Torque & angle values curves	Torque & angle values curves	Torque & angle values curves	OK/NOK
<b>Result Transfer/storage</b>	Torque & angle values + curves	OK/NOK	Torque & angle values + curves	OK/NOK
<b>Tightening strategy</b>	Torque and/or angle control Torque and/or angle monitoring	Torque control angle monitoring	Torque and/or angle control Torque and/or angle monitoring	Torque control
<b>Protocol</b>	Open protocol	Open protocol	Open protocol	Open protocol
<b>Pairing</b>	RFID or eDock pairing	RFID or eDock pairing	RFID or eDock pairing	eDock pairing

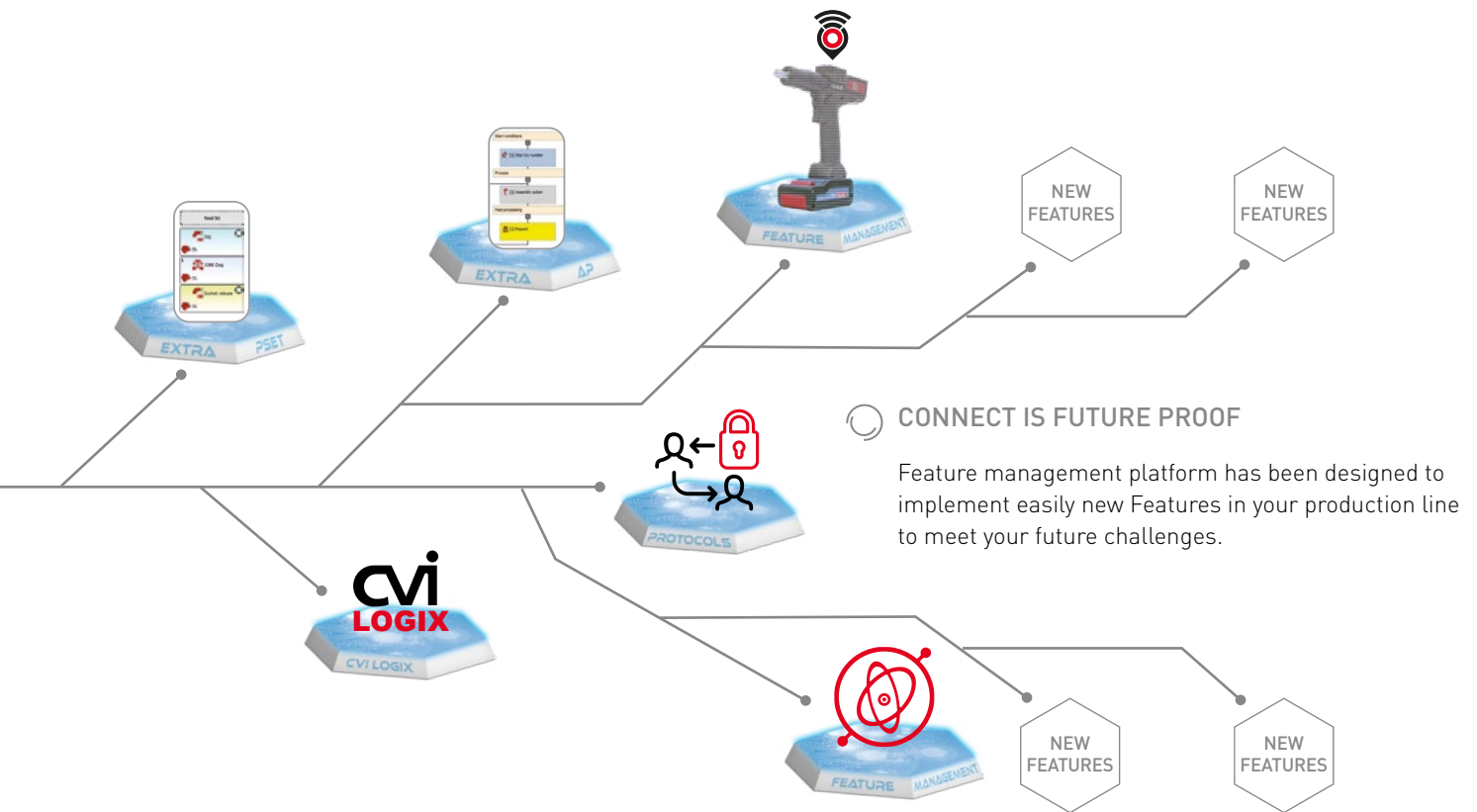


## FEATURES UNDER FEATURE MANAGEMENT ?

○ FEATURE ACTIVATION IS DONE TIGHTENING UNIT PER TIGHTENING UNIT FOR MORE FLEXIBILITY ON YOUR PRODUCTION LINE

○ FEATURE MANAGEMENT IS REQUIRED :

- ▀ For each Tightening Unit activation TU PREMIUM / TU ESSENTIAL / TU QSHIELD / TU E-LIT WIFI
- ▀ For additional Pset activation: extra feature available on TU PREMIUM / TU QSHIELD
- ▀ For additional Assembly process activation : extra feature available on TU PREMIUM / TU QSHIELD
- ▀ For Virtual Cable feature activation : extra feature available on TU PREMIUM / TU ESSENTIAL
- ▀ For specific protocol activation : extra feature available on TU PREMIUM / TU ESSENTIAL / TU QSHIELD / TU E-LIT WIFI
- ▀ For CVI logix program activation : extra feature available on TU PREMIUM / TU ESSENTIAL / TU QSHIELD / TU E-LIT WIFI
- ▀ For Advanced tightening strategy TU PREMIUM / TU QSHIELD



## HOW TO ACTIVATE A FEATURE ?

○ THE HIGH FLEXIBILITY OF FEATURE MANAGEMENT IS REACHED THANKS TO **UV**

○ ANY OR ALL FEATURES CAN BE ACTIVATED BY APPLYING **UV**

○ EACH FEATURE HAS ITS OWN **UV VALUE** FOR ACTIVATION

**UV** = Unit Value

## TIGHTENING PROCESS OPTIMIZATION

- NETWORK COMMUNICATION : standard fieldbus & advanced customer protocols
- TIGHTENING STRATEGY : combine flexible steps with different control and different monitoring
- DIRECT VISUALISATION AND ACCESS : simple configuration and results on the controller screen and on a remote HMI
- ASSEMBLY PROCESS : control a complete operation with several fastenings and logical requirements (scans, I/O, ...)



## FULL TRACEABILITY

- FULL DATA TRACEABILITY
- ALL DATA stored thanks to real time collection and storage
- ACCESSIBLE BY EVERYONE for data viewing with just a web browser with secured access
- FAST PROCESSING FOR THE RESULTS, curves and statistics report with a click

## SOFTWARE PACKAGE

- EASY CONNECTIVITY AND A USER-FRIENDLY INTERFACE makes for a fast installation and smooth commissioning
- EASY UPGRADE CAPABILITIES AND FLEXIBILITY OF THE TOOL RANGE assures readiness for your future requirements
- ROBUST TOOLS AND HARDWARE BACKUP make for reliable and safe station
- ASSEMBLY QUALITY GUARANTEED with the process control and the error proofing modules

### **cvi** **KEY**

Create & manage tailor-made access rights per user profile

### **cvi** **CONFIG**

Set up your systems point-to-point or on a network with a guided intuitive interface

### **cvi** **MONITOR**

Live diagnostics for I/O and fieldbus for fast commissioning

### **cvi** **ANALYZER**

Import, exanalyze tightening port, and data with results, curves, filters, and profiles

### **cvi** **NET WEB**

Collect & store 100% tightening data in a real-time database with advanced analytics via a web based software in service mode



**CONNECT** Industrial SMART HUB



	CONNECT-W	CONNECT-X
<b>Weight</b>	2,8 kg	
<b>Volume</b>	4,2 Liters	
<b>Display</b>	Capacitive color touch screen (4,3")	
<b>Access point</b>	EMBEDDED <i>(includes internal access point)</i>	NOT INCLUDED <i>(external access point required)</i>
<b>Removable Integrated Memory</b>	Included <i>(accessible from front panel)</i>	
<b>Power supply</b>	110V – 220V or 24V	
<b>Connectivity</b>	4 Ethernet ports – 4 USB ports – RS-232 port – eBUS port – fieldbus card slot	
<b>IP Protection</b>	IP 40 IP54 with an additional accessory	
<b>Accessories</b>	Advanced wall mounting – stack light -socket tray – bit tray – operator panel – field bus – I/O expander	

FEATURE MANAGEMENT



**TIGHTENING UNIT**  
Up to 10 TU with CONNECT-W  
Up to 20 TU with CONNECT-X  
TU PREMIUM / TU ESSENTIAL / TU QSHIELD / TU E-LIT WIFI



**eCOMPASS**  
Gyroscope Angle Compensation  
TU PREMIUM

**EXTRA PSET**  
Pack "up to 50 PSET"  
Pack "up to 250 PSET"  
TU PREMIUM / TU ESSENTIAL / TU QSHIELD / TU E-LIT WIFI



**BREAKAWAY STRATEGY**  
Joint Checks – Breakaway, Residual & Peak Torque  
TU QSHIELD



**EXTRA ASSEMBLY PROCESS**  
Pack "up to 50 AP"  
Pack "up to 250 AP"  
TU PREMIUM / TU ESSENTIAL / TU QSHIELD / TU E-LIT WIFI



**VIRTUAL CABLE**  
Tracker with one or multiple workings spaces  
TU PREMIUM / TU ESSENTIAL

**AUTOMATION CONTROL**  
CVI LOGIX  
TU PREMIUM / TU ESSENTIAL / TU QSHIELD / TU E-LIT WIFI



**PROTOCOLS**  
Desoutter protocol  
Customer protocols  
TU PREMIUM / TU ESSENTIAL / TU QSHIELD / TU E-LIT WIFI



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October 2023