Desoutter

Industrial Tools

CONNECT
Desoutter

▪ BOOST YOUR
FLEXIBILITY

▪ BOOST YOUR
UPTIME

▪ BOOST YOUR
PRODUCTIVITY

More Than Productivity

DESOUTTER 4.0

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 - tighetning strategy / assembly process...)
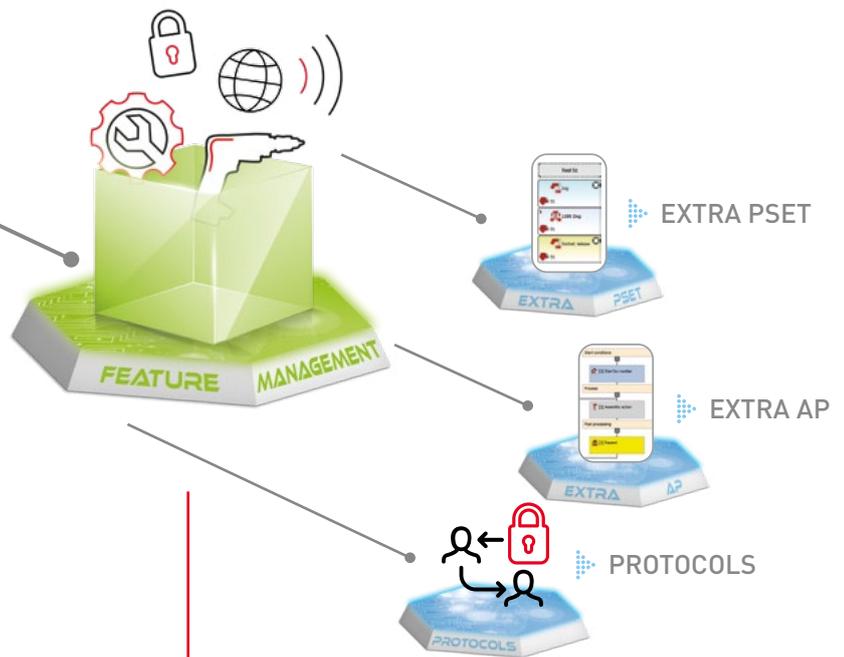- FULL ERROR PROOFING WITH ADDITIONAL ACCESSORIES

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**

EXTRA PSET

EXTRA AP

PROTOCOLS

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.

TU DEACTIVATED
No Wireless communication

28 N.m

181 Deg

Station 1

TU ACTIVATED
Wireless communication

TU ACTIVATED
Wireless communication

TOOL RANGE COMPATIBLE

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

EABC   EPBC   BLRTC   Q-SHIELD   EABS   E-LIT

Applifast.

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SINGLE POINT OF CONNECTION

I   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
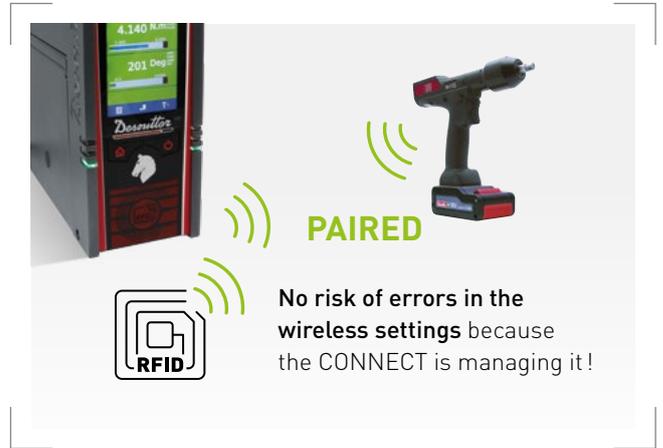
⑧ Plug & Play Field bus
card port

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

PAIRED

No risk of errors in the wireless settings because the CONNECT is managing it !

RFID

REMOVABLE INTEGRATED MEMORY

FAST DATA & SETTINGS TRANSFER

Removable integrated memory (RIM)

Easily removable memory allows transfer of DATA and settings from one CONNECT to another in a fast and effective way.
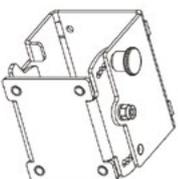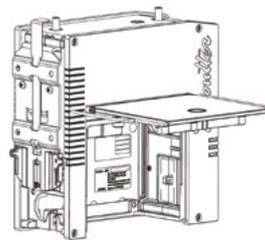
ADVANCED WALL MOUNTING

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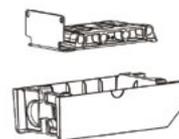
ADVANCED WALL MOUNTING

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.

Each Tightening Unit activated includes a Standard package.

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

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

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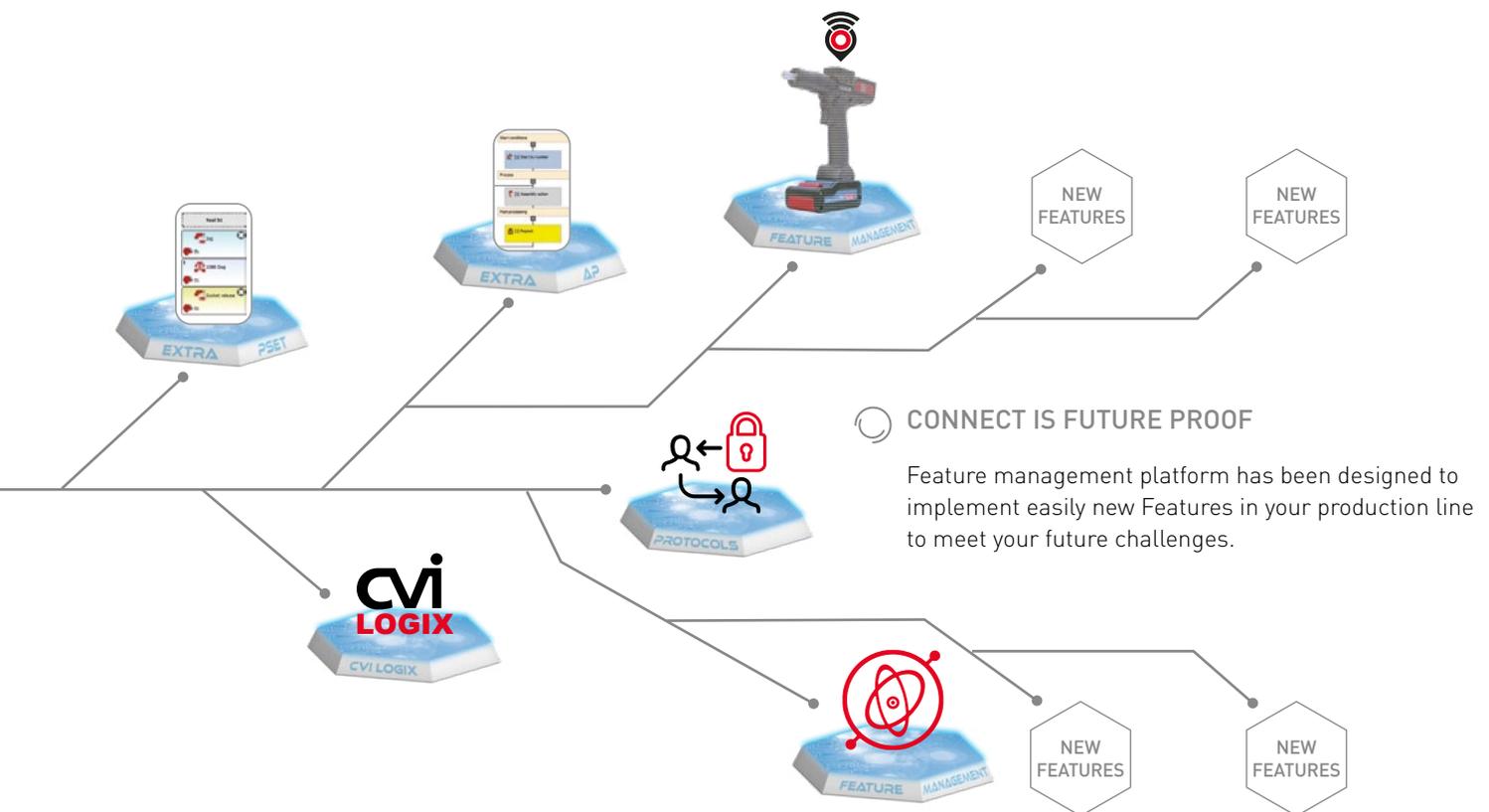
STANDARD PACK

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

NEW FEATURES   NEW FEATURES

○ **CONNECT IS FUTURE PROOF**

Feature management platform has been designed to implement easily new Features in your production line to meet your future challenges.

CVI LOGIX

NEW FEATURES   NEW FEATURES

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

Applifast.

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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, ...)

16.07

Ethernet   Fieldbus

CVi
NET WEB

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

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CONNECT Industrial SMART HUB

221 mm
210 mm
90 mm

	CONNECT-W	CONNECT-X
Weight	2,8 kg	
Volume	4,2 Liters	
Display	Capacitive color touch screen (4,3¨)	
Access point	EMBEDDED *(includes internal access point)*	*NOT INCLUDED (external access point required)*
Removable Integrated Memory	Included *(accessible from front panel)*	
Power supply	110V – 220V or 24V	
Connectivity	4 Ethernet ports – 4 USB ports – RS-232 port – eBUS port – fieldbus card slot	
IP Protection	IP 40 IP54 with an additionnal accessory	
Accessories	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
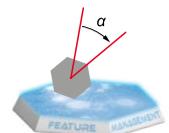
ₑCOMPASS
Gyroscope Angle
Compensation

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

α

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

CVi LOGIX

PROTOCOLS
Desoutter protocol
Customer protocols

TU PREMIUM / TU ESSENTIAL /
TU QSHIELD / TU E-LIT WIFI

More Than Productivity