CONNECT
Industrial Smart Hub

- BOOST YOUR FLEXIBILITY
- BOOST YOUR UPTIME
- BOOST YOUR PRODUCTIVITY

More Than Productivity
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.
**INDUSTRIAL SMART HUB**

**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.

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**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**

**FEATURE MANAGEMENT**

**FEATURE MANAGEMENT** 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.

**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.

Visit us at www.desouttertools.com
**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.

Visit us at www.desouttertools.com
SINGLE POINT OF CONNECTION

I UP TO 20 TOOLS CONNECTED with a 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)

FULL ERROR PROOFING

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

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

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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!

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.

DESOUTTER SIGHT

- Remote access to Connect menu for on-line adjustment
- Display in real-time the results per TU / workstation

VIRTUAL CABLE

WIRELESS TOOLS ZONE CONTROL SOLUTION

Virtual Cable enables total traceability and control over tools locations and applications.

The tool is enabled for tightening only in the defined working area preventing Production errors and Quality issues.

www.desouttertools.com
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?

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.

3 TYPES OF TIGHTENING UNITS (TU) ARE AVAILABLE ON CONNECT PLATFORM WITH DIFFERENT STANDARD PACK FEATURE LEVELS

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

Visit us at www.desouttertools.com
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 E-LIT WIFI
  - For additional Pset activation: extra feature available on TU PREMIUM
  - For additional Assembly process activation: extra feature available on TU PREMIUM
  - For Virtual Cable feature activation: extra feature available on TU PREMIUM
  - For specific protocol activation: extra feature available on TU PREMIUM / TU ESSENTIAL
  - For CVI logix program activation: extra feature available on TU PREMIUM / TU ESSENTIAL / TU E-LIT WIFI

CONNECT IS FUTURE PROOF

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

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

Visit us at  www.desouttertools.com
## INDUSTRIAL SMART HUB

**Connect**

### FEATURE MANAGEMENT

**TIGHTENING UNIT**
- Up to 10 TU with CONNECT-W
- Up to 20 TU with CONNECT-X

**EXTRA PSET**
- Pack "up to 50 PSET"
- Pack "up to 250 PSET"

**EXTRA ASSEMBLY PROCESS**
- Pack "up to 50 AP"
- Pack "up to 250 AP"

**PROTOCOLS**
- Desoutter protocol
- Customer protocols

**AUTOMATION CONTROL**
- CVI LOGIX

**VIRTUAL CABLE**
- Tracker with one or multiple workings spaces

### DESOUTTER SIGHT

**15.6” SIGHT**
- Multi-touch screen
- 2.4GHz / 5GHz WiFi communication
- VESA mount

**7” SIGHT**
- Multi-touch screen
- 2.4GHz / 5GHz WiFi communication
- VESA mount

**SIGHT MODULE**
- Manage customer display
- 2.4GHz / 5GHz WiFi communication
- VESA mount

### VIRTUAL CABLE

**TRACKING BASE**
- ULTRA WIDEBAND TECHNOLOGY (UWB): 3.5 to 6.5 GHz
- AREA COVERAGE: Sphere of 20m (65.6 ft) around the Primary Tracking Base
- ACCURACY: +/- 15cm (0.5 ft)

**TRACKER**
- CONNECT HUB: Up to 8 Tracking Bases per CONNECT
- EACH TRACKING BASE: Up to 8 working areas and/or tools per tracking base

### CONNECT-W VS CONNECT-X

<table>
<thead>
<tr>
<th>Feature</th>
<th>CONNECT-W</th>
<th>CONNECT-X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>2.8 kg</td>
<td>4.2 kg</td>
</tr>
<tr>
<td>Volume</td>
<td>4.2 Liters</td>
<td>7.5 Liters</td>
</tr>
<tr>
<td>Display</td>
<td>Embedded</td>
<td>Not included</td>
</tr>
<tr>
<td></td>
<td>(includes internal access point)</td>
<td>(external access point required)</td>
</tr>
<tr>
<td>Removable Integrated Memory</td>
<td>Included</td>
<td>Included</td>
</tr>
<tr>
<td></td>
<td>(accessible from front panel)</td>
<td>(accessible from front panel)</td>
</tr>
<tr>
<td>Power supply</td>
<td>110V – 220V or 24V</td>
<td>110V – 220V or 24V</td>
</tr>
<tr>
<td>IP Protection</td>
<td>IP 40</td>
<td>IP 40</td>
</tr>
<tr>
<td></td>
<td>IP54 with an additional accessory</td>
<td>IP54 with an additional accessory</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- Display: Capacitive color touch screen (4.3”)
- Removable Integrated Memory: Included (accessible from front panel)
- IP Protection: IP 40 (IP54 with an additional accessory)

**ADDITIONAL ACCESSORIES**

- Wall mounting
- Stack light
- Socket tray
- Bit tray
- Operator panel
- Field bus
- I/O expander
- Desoutter Sight

**WEIGHT AND VOLUME**

- Weight: 2.8 kg
- Volume: 4.2 Liters

**ACCESS POINT**

- Embedded (includes internal access point)
- Not included (external access point required)

**POWER SUPPLY**

- 110V – 220V or 24V

**CONNECTIVITY**

- 4 Ethernet ports – 4 USB ports – RS-232 port – eBUS port – fieldbus card slot
More Than Productivity