



FIM – EVO SOLUTIONS



Edition 1



Product presentation

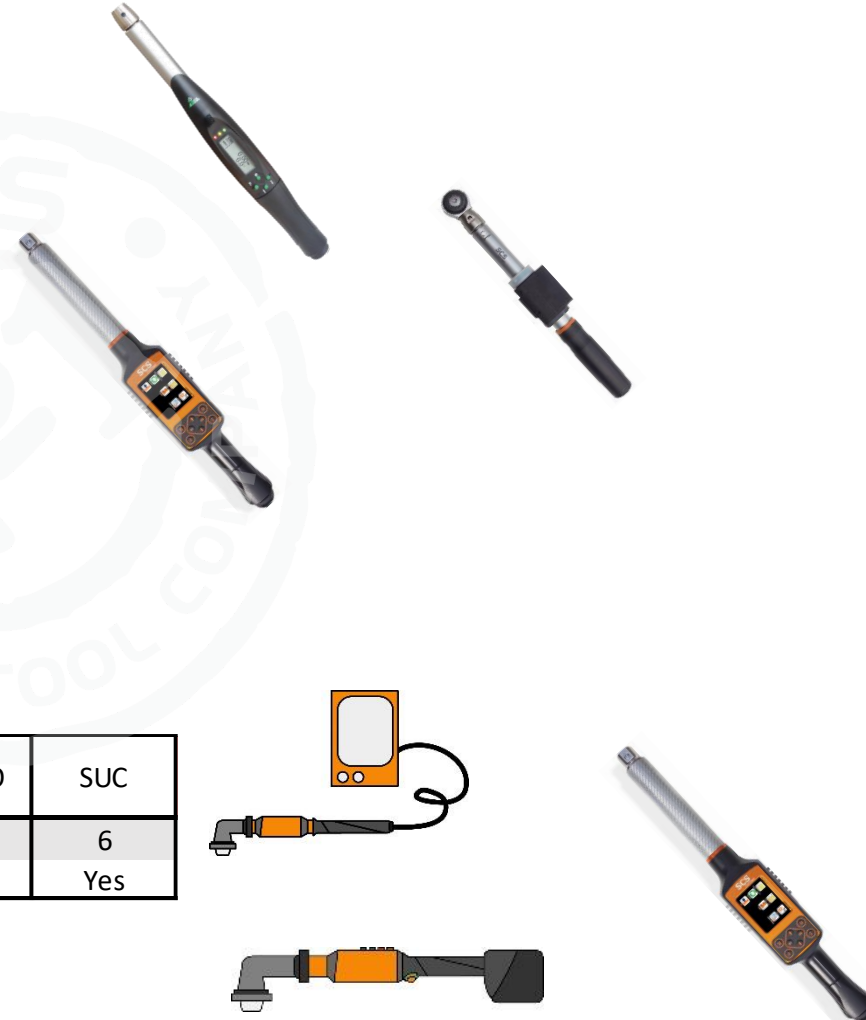
Universal Industrial Controller



Description	FIM_EVO
Number of tools managed	12
Compatible with SCS Product (Wrench)	Yes
Manage Job (Sequence), Task	Illimited
Manage Tightening strategy	Yes
Manage Barcode reader	Yes
Manage printer / Label Printer	USB/Serial
Number of result Store	100 000
Number of Traces store	100 000
Protocol available : Open protocol, Pfcs, etc	Yes
FieldBus compatibility (Profinet, etc)	Yes
Number of Input/output manage	4 output

Software Universal Controller

Description	FIM_EVO	SUC
Manage X tools, Station in same time	2	6
Software Universal Controller	No	Yes





New Controller Solutions





Product presentation

Universal Industrial Controller



- **Reduce the cost** of your Workstation with a Universal controller
 - With Open protocol full compatibility with all tools
 - With Supplier protocol like SCS concept, Cleco Livewire, AMT, Bosch , HST, etc
 - Only one IP is needed to manage 12 tools and concentrate Data
- **Easy to use**, Manage simple & complex station with One controller
 - Barcode reader / Printer / Socket tray / 16 Input & 16 output
 - Sequence management
- **Fulfill Industry 4.0**
 - Standard protocol and fieldbus
 - 100 000 results store on the controller
- **Flexibility**
 - manage up to 12 production tools with 1 controller
 - Power tools / Click wrench / Torque & angle Wrench, etc
 - 6 Operator / Station manage by 1 controller
 - Manage more than 2 000 Sequences/Operations
 - Can be connected to an external Screen
- **Geolocation Option**
 - Manage the position of each tool to authorize the product Only if it's position in the right area, workstation





FIM-EVO is an Industrial Universal controller able to manage up to 12 tools on a single communication point to reduce cost and simplifying the integration on your network.

FIM-EVO will give you the full flexibility and scalability requested today by our industry.

Industrial Universal Hub Controller

- A single point connection for your Tools
- Manage up to 12 tools and 6 stations



Easy Interface with your operator

- 7" Color touch screen
- VGA connection for external screen

Full traceability

- Store up to 100 000 results
- Store up to 100 000 traces
- No limitation for Job, Task management

Fully Scalable

- Backup and restore
- Easy to setup
- Webserver application

FieldBus (Option)

- Profibus DP Master, Profibus DP Slave, DeviceNet Master, DeviceNet Slave, CC-Link Slave, CANopen Master, CANopen Slave, Profinet IO Device, Profinet IO Controller, EtherNet/IP Scanner, EtherNet/IP Adapter, Open Modbus/TCP



Full protocol communication

- Fully compatible with the mains industries
- Open protocol, Toolsnet, IPM, XML, PFCS, etc
- 2 Ethernet port, Wifi 5 Ghz in option



Barcode reader



Printer

Manage all station accessories

- 2 Serial ports, you can manage Barcode reader, printer, etc
- Can-bus, you can manage Socket tray or PLC
- Wifi to manage Socket Tray
- 4 USB port to manage printer, etc
- Up to 16 Input & 16 Output 24V to manage the station



Label printer



Compatible with Geolocation (Option)

- BlueGps compatibility
- Fast Track Tools or product solution



Socket tray





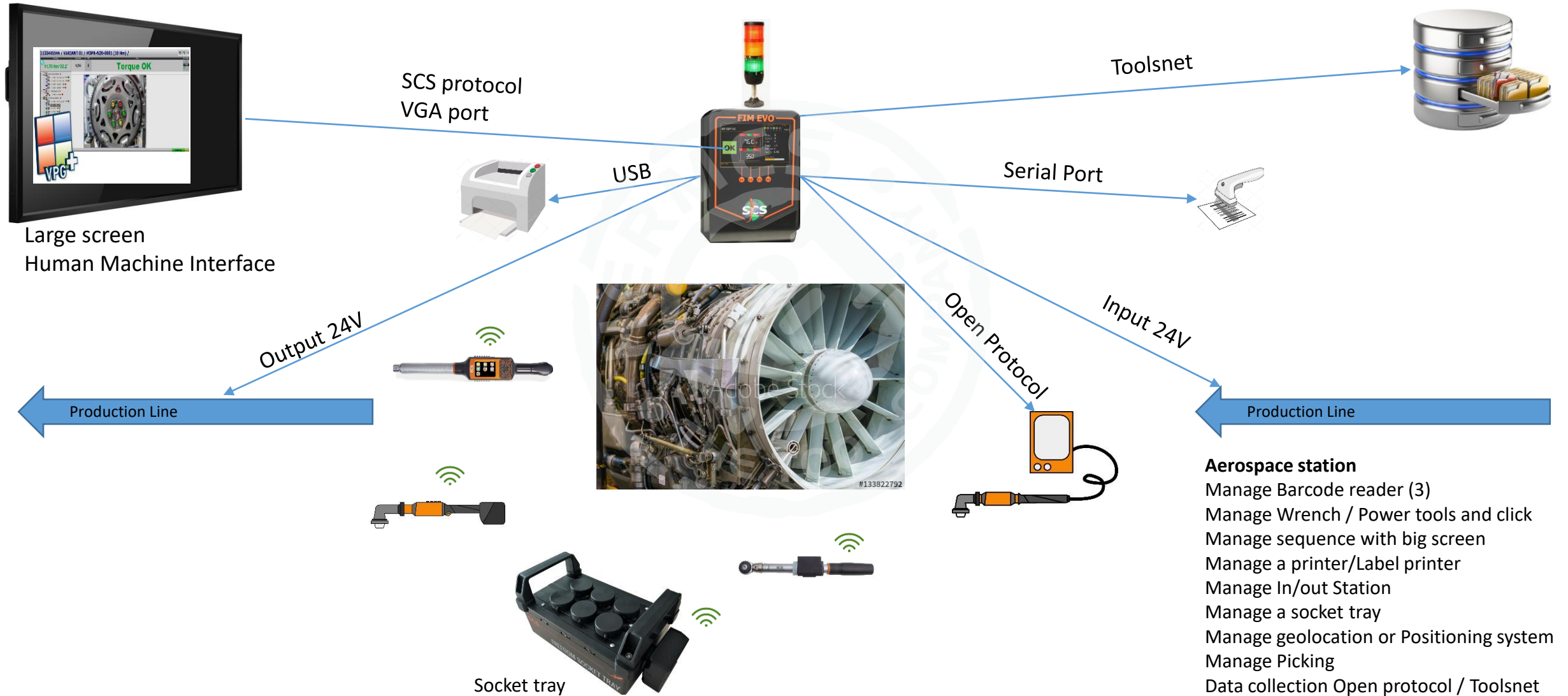
Product presentation Car Assembly line





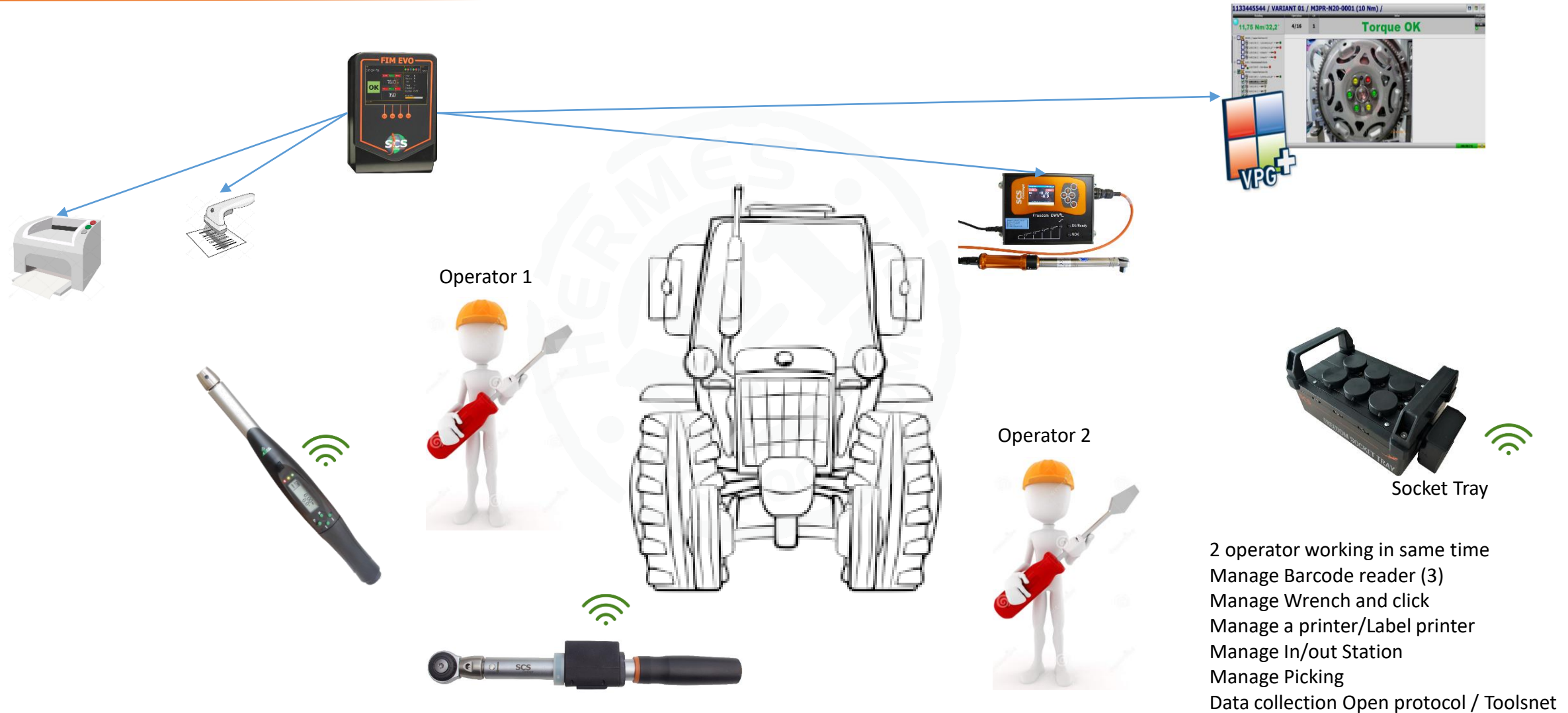
Product presentation

Aerospace standard Station



Product presentation

General Industry



2 operator working in same time
 Manage Barcode reader (3)
 Manage Wrench and click
 Manage a printer/Label printer
 Manage In/out Station
 Manage Picking
 Data collection Open protocol / Toolsnet



New Web Interface

VIN: VIM0001
Task: P0001

Network1 ● Network2 ●

Results

Tools

Tasks

Job

I/O Module

Settings

RESULTS

TOOLS

Drag a column header here to group by that column

<input type="checkbox"/>	Description	Vin	Batch	Tool	Torque Result	Angle Result	Date / Time	Status	
	🔍	🔍	🔍	🔍	🔍	🔍	🔍	🔍	
	OP_01_F3STD_DE...	20200219172507	2 / 2	FREEDOM 3 STD	20.9 Nm	21.9 °	19/02/2020 04:26:...	OK	Details - Trace
	OP_01_F3STD_DE...	20200219172507	2 / 2	FREEDOM 3 STD	17.6 Nm	0.1 °	19/02/2020 04:26:...	OK	Details - Trace
	OP_01_F3STD_DE...	20200219172507	2 / 2	FREEDOM 3 STD	20.8 Nm	0 °	19/02/2020 04:26:...	OK	Details - Trace
	OP_01_F3STD_DE...	20200219172507	2 / 2	FREEDOM 3 STD	21.9 Nm	0.4 °	19/02/2020 04:26:...	OK	Details - Trace
	OP_01_F3STD_DE...	20200219172507	2 / 2	FREEDOM 3 STD	22.7 Nm	0.3 °	19/02/2020 04:26:...	OK	Details - Trace
	OP_02_F3STD_DE...	20200219172507	1 / 1	FREEDOM 3 STD	21.8 Nm	0.2 °	19/02/2020 04:26:...	OK	Details - Trace
	OP_02_F3STD_DE...	20200219172507	1 / 1	FREEDOM 3 STD	21.4 Nm	0.4 °	19/02/2020 04:26:...	OK	Details - Trace
	OP_02_F3STD_DE...	20200219172507	1 / 1	FREEDOM 3 STD	22.1 Nm	0.4 °	19/02/2020 04:26:...	OK	Details - Trace
	OP_02_F3STD_DE...	20200219172507	1 / 1	FREEDOM 3 STD	25 Nm	2.2 °	19/02/2020 04:25:...	NOT OK	Details - Trace
	OP_02_F3STD_DE...	20200219172507	1 / 1	FREEDOM 3 STD	23.8 Nm	24.5 °	19/02/2020 04:25:...	OK	Details - Trace
	OP_02_F3STD_DE...	20200219172507	1 / 1	FREEDOM 3 STD	20.5 Nm	0.3 °	19/02/2020 04:25:...	OK	Details - Trace
	OP_01_F3STD_DE...	20200213173642	/	FREEDOM 3 STD	20.3 Nm	26.4 °	13/02/2020 04:38:...	OK	Details - Trace





New Web Interface

VIN:VIM0001Task:P0001

Network1Network2

Results

Tools

Tasks

Job

I/O Module

Settings

RESULTS

TOOLS

Vin: 20200219172507

Task Description: OP_01_F3STD_DESCR

Batch: 2 / 2

Status: OK

Curve

Back to Grid

Torque Min	Torque Nominal	Torque Max
16	20	24

Torque: 20.9 Nm

Angle Min	Angle Nominal	Angle Max
0	30	120

Angle: 21.9 °

Time: - ms

Station: FIM STATION

Job: 1 - JOB FIM

Phase: 5 / 5

Task: 1 - OP_01_F3STD_DESCR

Tool: 1 - FREEDOM 3 STD

Date / Time 2020/02/19 04:26:42





New Web Interface



VIN: VIM0001
Task: P0001

Network1 ● Network2 ●

Results

RESULTS

TOOLS

Tools

Tasks

Job

I/O Module

Settings

Vin: 20200219172507

Task Description: OP_01_F3STD_DESCR

Batch: 2 / 2

Status:

OK

Details

← Back to Grid →

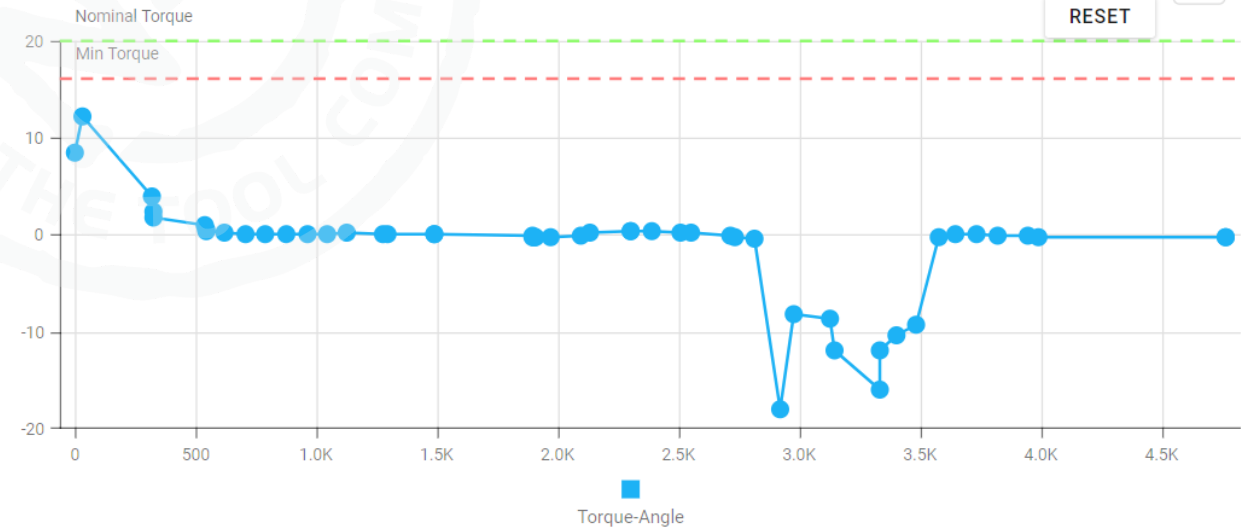
Torque: 17.6 Nm Angle: 0.1 ° Time: 17.6 ms

Switch to Torque - Angle Curve



Torque Nm	Angle °	Time ms
8.4	-0.1	0
12.2	-0.1	32
4	-0.2	320
2.4	-0.2	322
1.7	-0.2	325
1	-0.2	540
0.6	-0.2	543

Torque - Time Curve





New Web Interface

Home

User access :
Code :

VIN:
Program:

VIM0001
P0001

192.168.1.12
Network1

192.168.1.52
Network2

Setting

Results / Trace

Home x Results x

Add and Modify

- Tools
- Sequence or Job
- Program or Task
- Backup / Restore

Setting

- Controller
- Communications
- Fieldbus
- Logs
- Diagnostic

Tools N°	Serial N°	Name	Brand	Tools Type	Range	IP/Adress	Connected	In cycle	Ready
1	CLS236785	CLS-20Nm	SCS	Click	2 - 20	1			
2	FR753610PU	Freedom 4 70 Nm	SCS	T&A Wrench	7-70	192.168.1.34			
3	FRIHF5784	Freedom 4 20 Nm	SCS	T&A Wrench	2 - 20	192.168.1.27			
4	+			Power tools					
5	+								
6	+								
7	+								
8	+								
9	+								
10	+								
11	+								
12	+								

Home

User access :
Code :

VIN:
Program:

VIM0001
P0001

192.168.1.12
Network1

192.168.1.52
Network2

Setting

Results / Trace

Home x Tools x Tool 1 x Tool 4 x

Add and Modify

- Tools
- Sequence or Job
- Program or Task
- Backup / Restore

Setting

- Controller
- Communications
- Fieldbus
- Logs
- Diagnostic

Tools N° : 1

Serial N°:123456789AZERTY

VIN : HTGU8753HFTIB965HDT54689GR

Name : CLS 20 Nm

Type : Click

IP address : 1

Range : 2 to 20 Nm

Brand : SCS Concept

Band Hz: 868

Extra Length End-fitting : 21 mm

Coefficient corrector : 1.04

Picture

Maintenance counter : 123
Calibration date : 01/01/2020
Check calibration : 01/04/2020

Max torque apply : 21
Over Torque counter : 3
Status transducer : Ok

Save





New Web Interface

Home

User access :
Code :

VIN:
Program:

VIM0001
P0001

192.168.1.12
Network1

192.168.1.52
Network2

Setting

Results / Trace

Home x Job x Job 1 x

Add and Modify

- Tools
- Sequence or Job
- Program or Task
- Backup / Restore

Setting

- Controller
- Communications
- Fieldbus
- Logs
- Diagnostic

Job N°	Name	VIN 1	VIN 2	Description	Nb Task	Job Source	Re-tight	retry
1	Click 20 Nm	th56GT*****		Tightening 6 screw at 20 Nm	1	Serial	<div></div>	<div></div>
2	Freedom 4 12 Nm	***489FDEX*****		Tightening 5 screw at 12 Nm	1	Ethernet	<div></div>	<div></div>
3	Freedom 4 30 Nm	YHOG5694D*****		Tightening 5 screw at 30 Nm	1	Serial	<div></div>	<div></div>
4	Freedom 4 6 Nm	YD7HFT7*****GY		Tightening 2 screw at 30 Nm	1	Can	<div></div>	<div></div>
5	Multi Task	***TFRT**	RTG*****	Tight blabla	3	Serial	<div></div>	<div></div>
6	±							
7	±							
8	±							
9	±							
10	±							
11	±							
12	±							
13	±							
14	±							
15	±							
16	±							
17	±							
18	±							
19	±							
20	±							

Home

User access :
Code :

VIN:
Program:

VIM0001
P0001

192.168.1.12
Network1

192.168.1.52
Network2

Setting

Results / Trace

Home x Job x Job 1 x

Add and Modify

- Tools
- Sequence or Job
- Program or Task
- Backup / Restore

Setting

- Controller
- Communications
- Fieldbus
- Logs
- Diagnostic

Job N° : 1
Vin 1 :
Description :

Job sources : Serial
Re-tight detection : Yes
Result Validation : Auto

Name: Click 20 Nm
Vin 2 :

Retry : 3
Auto sequence : Yes

Task N°	Names	Target Torque	Min T	Max T	Target A	Min A	Max A	Batch	Tools 1	Tools 2
1	20 Nm	20 Nm		18	22	0	5	99	6	CLS236785
2	±									±
3	±									
4	±									
5	±									
6	±									
7	±									
8	±									
9	±									
10	±									

www.scsconcept.com



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