



Description	FIM_EVO
Number of tools managed	12
Compatible with SCS products	Yes
Manage Sequences, Operations	Unlimited
Manage tightening strategies	Yes
Manage barcode reader	Yes
Manage printer/label printer	USB/serial
Number of result Store	100 000
Number of traces store	100 000
2 Serial ports, 4 USB, 2 Ethernets, 1 Can bus	Yes
FieldBus compatibility (profinet, etc)	Yes
Number of input/output manage	4 Output



➤ Software module “Universal HUB”

Description	FIM_EVO Universal HUB	SMU
Stations managed by controller	2	6
Multi brand Tools compatibility	No	Yes

Part Number	
153 20 0008	FIM EVO 4 out
153 20 0013	FIM EVO 16 I/O
102 21 0018	Software module universal HUB
197 14 0045	RF 868 MHZ for CL/CLS tools
197 14 0049	RF 915 MHZ for CL/CLS tools



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 FIM EVO - Ed. 1 - EN

FIM EVO

The multi brand integration hub for industry 4.0



➤ Open protocol tools



- Only one device manage up to 12 production tools
- Compatible with all types of tools
- Productivity/traceability/error proofing
- Easy to use with the webserver application

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FIM EVO

FIM-EVO is an industrial universal controller able to manage up to 12 tools on a single communication point to reduce cost and simplify 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



Open protocol tools

- Full compatibility with all your production tools

Easy and clear interface

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

Fully scalable

- Quick backup and restore for faster maintenance
- Webserver application form easy setup and full version compatibility

Full traceability

- Store up to 100 000 results
- Store up to 100 000 traces
- No limitation for sequences & operations

Operation	Tool	Station	Start	End	Status
OPERATION 001 PRESSION	01.0	Passo001	10:00:00	10:00:05	OK
OPERATION 1 PRESSION	01.0	Passo001	10:00:05	10:00:10	OK
OPERATION 2 PRESSION	01.0	Passo001	10:00:10	10:00:15	OK
OPERATION 3 PRESSION	01.0	Passo001	10:00:15	10:00:20	OK
OPERATION 4 PRESSION	01.0	Passo001	10:00:20	10:00:25	OK
OPERATION 5 PRESSION	01.0	Passo001	10:00:25	10:00:30	OK
OPERATION 6 PRESSION	01.0	Passo001	10:00:30	10:00:35	OK
OPERATION 7 PRESSION	01.0	Passo001	10:00:35	10:00:40	OK
OPERATION 8 PRESSION	01.0	Passo001	10:00:40	10:00:45	OK
OPERATION 9 PRESSION	01.0	Passo001	10:00:45	10:00:50	OK
OPERATION 10 PRESSION	01.0	Passo001	10:00:50	10:00:55	OK
OPERATION 11 PRESSION	01.0	Passo001	10:00:55	10:01:00	OK
OPERATION 12 PRESSION	01.0	Passo001	10:01:00	10:01:05	OK
OPERATION 13 PRESSION	01.0	Passo001	10:01:05	10:01:10	OK
OPERATION 14 PRESSION	01.0	Passo001	10:01:10	10:01:15	OK
OPERATION 15 PRESSION	01.0	Passo001	10:01:15	10:01:20	OK
OPERATION 16 PRESSION	01.0	Passo001	10:01:20	10:01:25	OK
OPERATION 17 PRESSION	01.0	Passo001	10:01:25	10:01:30	OK
OPERATION 18 PRESSION	01.0	Passo001	10:01:30	10:01:35	OK
OPERATION 19 PRESSION	01.0	Passo001	10:01:35	10:01:40	OK
OPERATION 20 PRESSION	01.0	Passo001	10:01:40	10:01:45	OK



Full protocol communication

- Fully compatible with the mains industries protocols
- Open protocol, Toolsnet, IPM, XML, PFCS
- 2 Ethernet ports

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



Compatible with geolocation (option)

- Can be used with SCS geolocation system, please don't hesitate to ask for a demo.

Compatible with following accessories

- Barcode reader
- Printer
- Socket tray
- Label printer
- Input/Output 24V

Barcode reader



Printer



Label printer



Socket tray 6/8 & 16 socket up to 50 mm



Webserver software

➤ Results and trace database

➤ FIM EVO

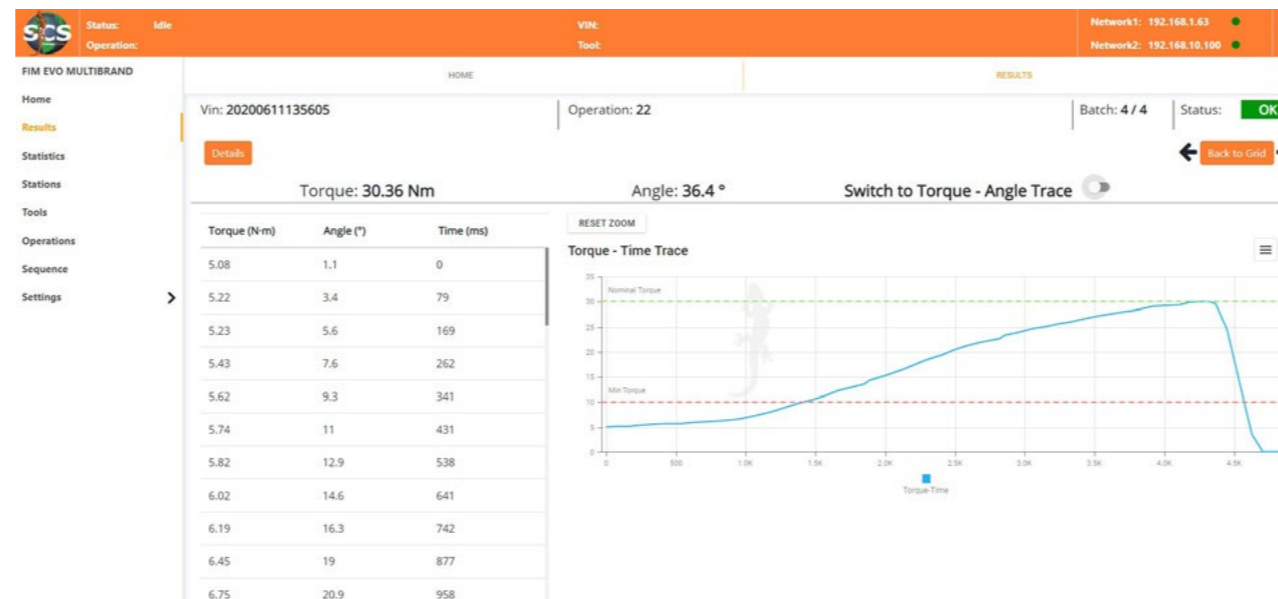
- ✓ Manage 12 SCS tools
- ✓ Manage up to 2 stations at the same time
- ✓ Data storage & open protocol
- ✓ 4 outputs as standard and 16 I/O in option
- ✓ Manage barcode reader/printer
- ✓ Manage socket tray
- ✓ Industrial fieldbus on option

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
OP_01_F3STD_DE...	20200219172507	2 / 2	FREEDOM 3 STD	17.6 Nm	0.1 °	19/02/2020 04:26...	OK
OP_01_F3STD_DE...	20200219172507	2 / 2	FREEDOM 3 STD	20.8 Nm	0 °	19/02/2020 04:26...	OK
OP_01_F3STD_DE...	20200219172507	2 / 2	FREEDOM 3 STD	21.9 Nm	0.4 °	19/02/2020 04:26...	OK
OP_01_F3STD_DE...	20200219172507	2 / 2	FREEDOM 3 STD	22.7 Nm	0.5 °	19/02/2020 04:26...	OK
OP_02_F3STD_DE...	20200219172507	1 / 1	FREEDOM 3 STD	21.8 Nm	0.2 °	19/02/2020 04:26...	OK
OP_02_F3STD_DE...	20200219172507	1 / 1	FREEDOM 3 STD	21.4 Nm	0.4 °	19/02/2020 04:26...	OK
OP_02_F3STD_DE...	20200219172507	1 / 1	FREEDOM 3 STD	22.1 Nm	0.4 °	19/02/2020 04:26...	OK
OP_02_F3STD_DE...	20200219172507	1 / 1	FREEDOM 3 STD	25 Nm	2.2 °	19/02/2020 04:25...	NOT OK
OP_02_F3STD_DE...	20200219172507	1 / 1	FREEDOM 3 STD	23.8 Nm	24.5 °	19/02/2020 04:25...	OK
OP_02_F3STD_DE...	20200219172507	1 / 1	FREEDOM 3 STD	20.5 Nm	0.5 °	19/02/2020 04:25...	OK

➤ FIM-EVO Universal HUB

FIM EVO functionalities and:

- ✓ Manage 12 tools (SCS or multi brand)
- ✓ Manage up to 6 stations at the same time



➤ Trace torque/angle or torque/time

➤ Open protocol tools

➤ Statistic analysis



➤ Optimise your assembly process

➤ SCS wrenches supported:

- Freedom CDM
- Freedom³
- Freedom⁴
- Freedom CL/CLS
- Freedom EWW³

