



SMEDvalueBOX®

The ideal partner of production,
maintenance and methods teams

Industry



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Amphenol Air LB
Your Satisfaction. Everyday. Everywhere.

PRESENTATION

SMEDvalueBOX® is designed to :

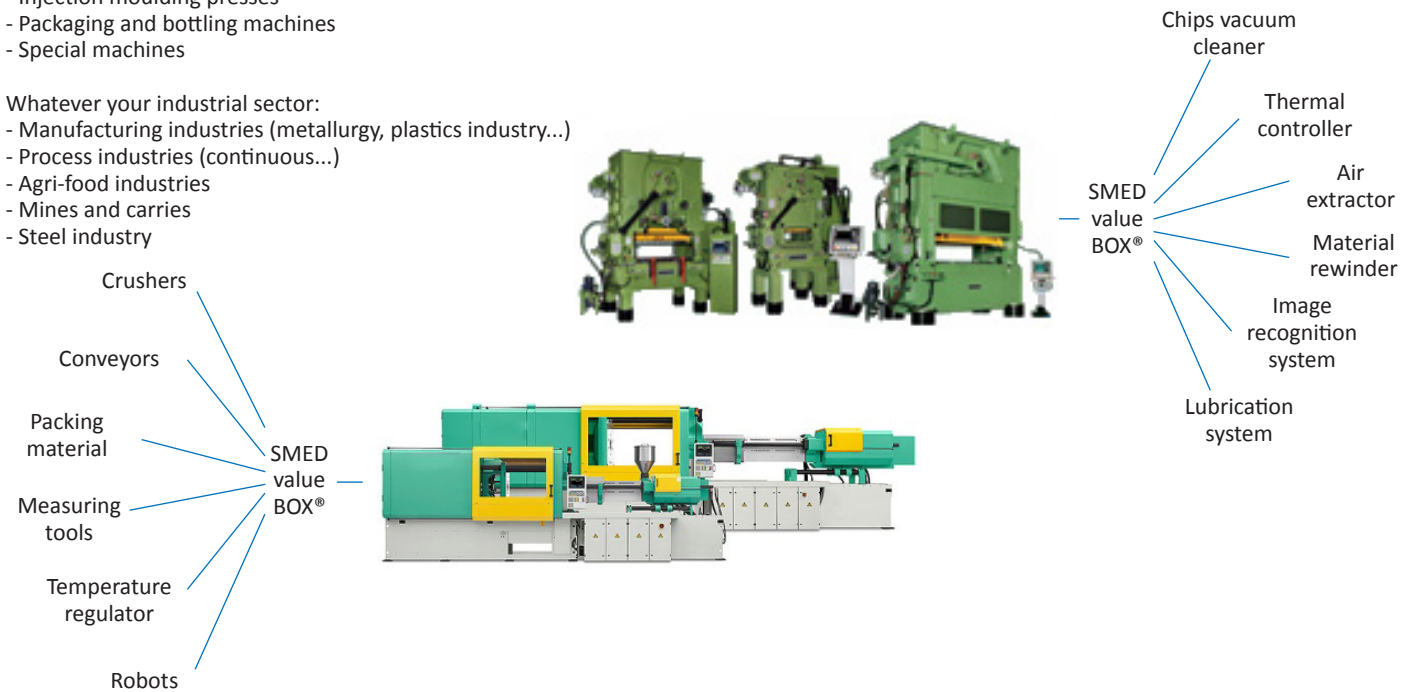
- maximize the use of production capacity
- delay the need of additional capacity investments

SMEDvalueBOX® allows to interconnect all types of machines and peripherals of your machine park:

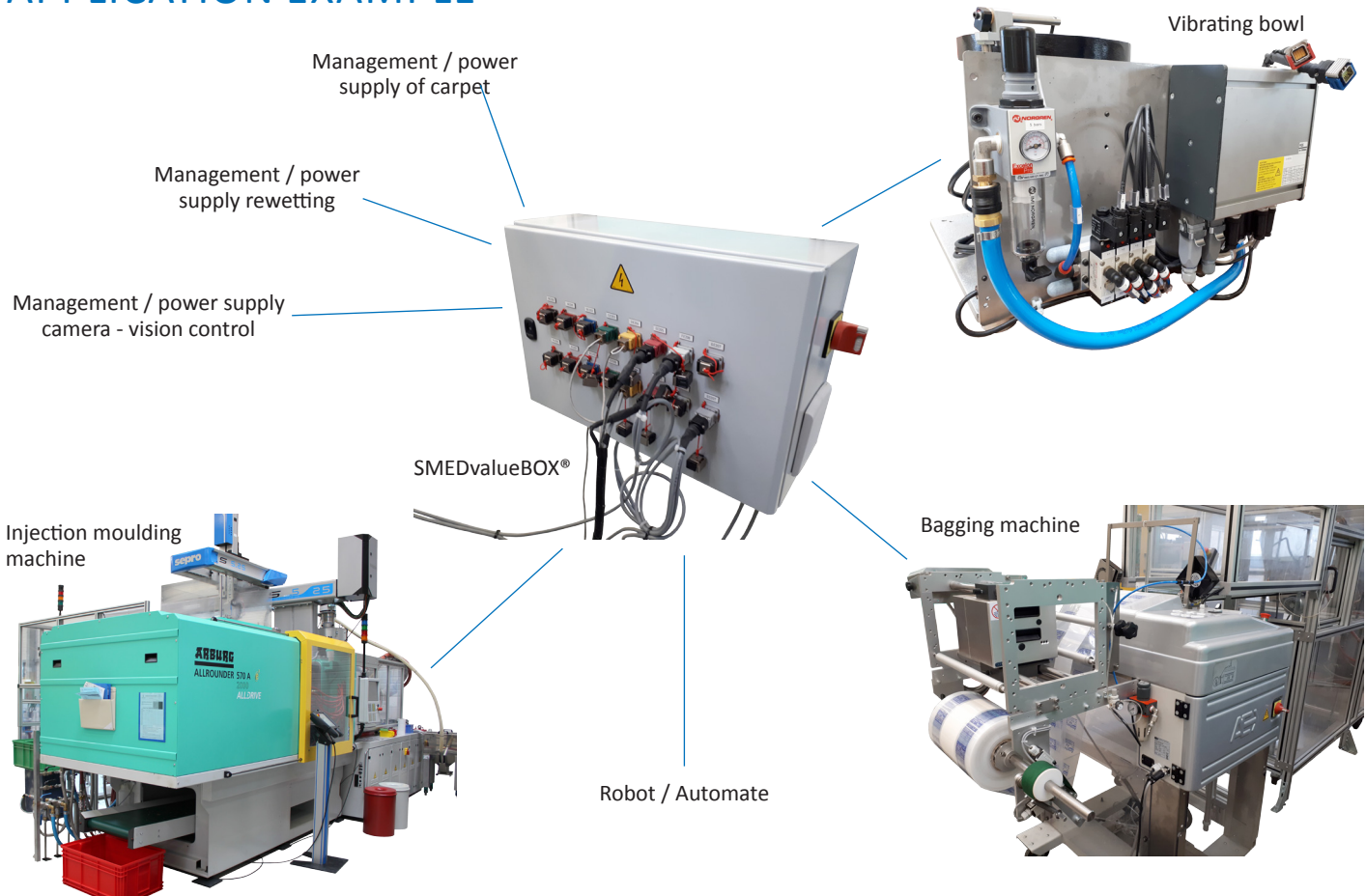
- Cutting and extrusion machines
- Injection moulding presses
- Packaging and bottling machines
- Special machines

Whatever your industrial sector:

- Manufacturing industries (metallurgy, plastics industry...)
- Process industries (continuous...)
- Agri-food industries
- Mines and carries
- Steel industry



APPLICATION EXAMPLE



INTERCONNECTION COMPONENTS EXAMPLES

La **SMEDvalueBOX®** relies on the use of proven interconnect components that are well recognized by many industrial applications.

1777 QUICK JUNCTION MODULES

Modules conform to the Standard UTE NF C93462.

MECHANICAL

Module	Material	: Black thermoplastic, NFF 16-101 / 16-102 Ex 2, EN45545-2 (HL3 R22 R23), NFPA130		
Joint	Material	: Fluorinated elastomer, NFF 16-101 / 16-102 Ex 4, EN45545-2 (HL3 R22 R23)		
Contact	Material	: Copper alloy		
	Plating	: Nickel		
Composite rail and DIN / NF adaptor		: Black thermoplastic, NFF 16-101 / 16-102 Ex 2, EN45545-2 (HL3 R22 R23), NFPA130		
Endurance		: 30 complete cycles of locking and unlocking of the module on the rail		
Vibration		: NF EN 61-373, mounting on boggie functional test increased level		
Shock		: 30 g 1/2 sinus, 18 ms (3 shocks in 6 directions)		
Contact retention		:		

# Contacts	20	16	12	10
Retention (N)	90	90	140	150

RESISTANCE TO FLUIDS

Resistance	: Complies with NFF 61-030 standard
Sealing	: IP66/68/69K with appropriate cable diameter

MONO MODULE SIM CONNECTORS - EN4165

MECHANICAL

Shell	Material	: Composite
	Plating	: Nickel
Modules retention in shell:	25,4 daN	
Contacts retention in insert:		

# Contacts	23	22	20	16	12	8
daN	4,4		6,7	11	11	11

Endurance	: 500 full mating / unmating cycles
Vibrations	: Random frequency from 10 to 2000 Hz, spectral density 0.4 g ² /Hz, 8 h/axis
Shocks	: 1 shock/direction of each axis, half-sinusoidal form, am- plitude 100 gn, duration 6 ms

FLUID RESISTANCE

Fuels, hydraulic fluids, oils, cleaning fluids, de-icing fluids, cooling fluids

ENVIRONMENT

Operating temperature	: -55°C to +175°C continuously
Salt spray	: 500h

PUSH PULL 3559 CONNECTORS



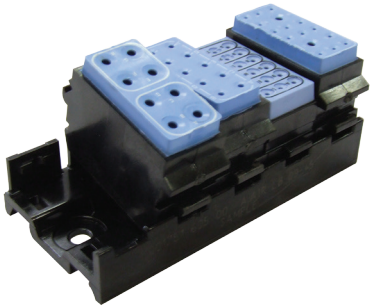
ENVIRONMENT

Operating temperature	: -55°C to +175°C
Damp heat	: Insulation resistance ≥ to 5000 MΩ
Ozone	: 100 ppm concentration

ELECTRICAL

Withstanding voltage	: 3250 V RMS 50 Hz
Insulation resistance	: ≥ to 5 000 MΩ

# Contacts	20	16	12	10
Max. Resistance (mΩ)	4	2	1	1
Max. Current Rating (A)	7,5	13	23	50



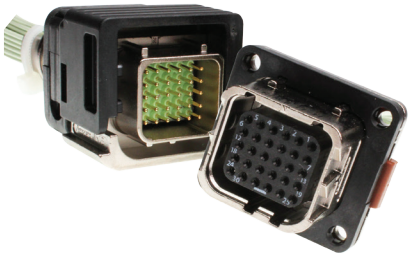
SEALING

Interfacial	: according to EN 2591 test 324 pressure ≤ 11 hPa
Air leakage	: a leak ≤ to 4cm ³ /h under differential pressure of 1 bar
Immersion at low air pressure	: according to EN 2591 test 314 pressure ≤ 11 hPa

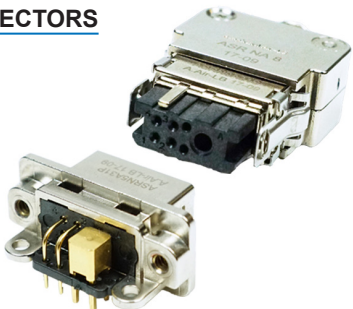
ELECTRICAL

Insulation resistance: ≥ to 5000 MΩ

# Contacts	23	22	20	16	12	8	8
Withstanding voltage	1800 V eff. 50 Hz						
Max. Current Rating (A)	5		7,5	13	23	46	80



ASR CONNECTORS



And all the other types of connectors of the Amphenol group!

WE MEET YOUR NEEDS

We meet your needs :

- Conception, realization of prototype solutions
- Realization in mass production of «turnkey» solutions
- Supply of SMED components (modules, mono module connection, various accessories...)
- Campaign to upgrade your **SMEDvalueBOX®**, in connection with the SMED standardization team (adding sensors and / or other peripherals...)

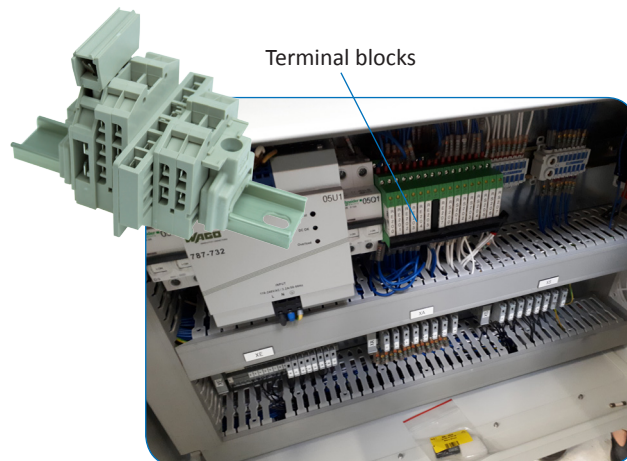
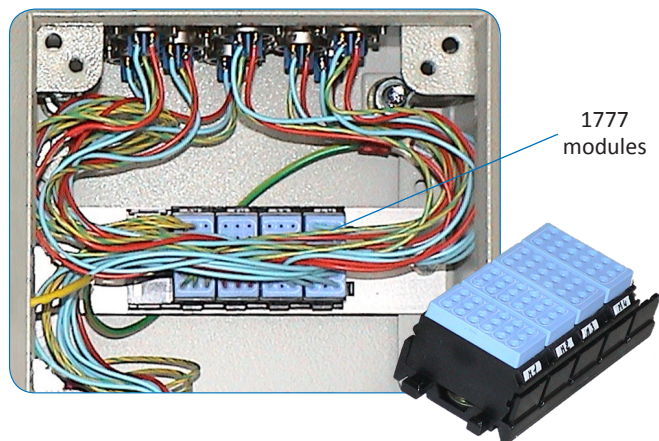
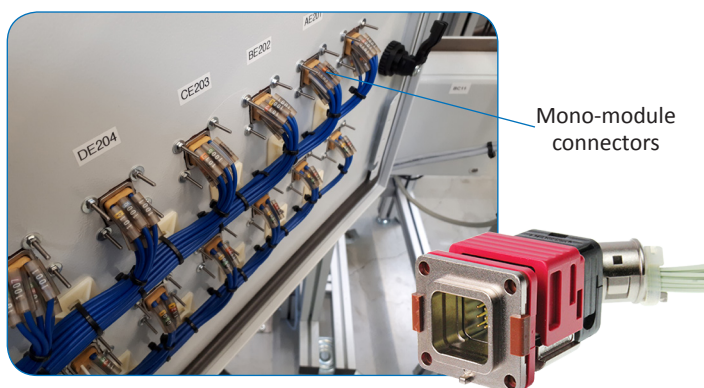
The **SMEDvalueBOX®** is the perfect partner for your production, maintenance or process team, offering a pragmatic answer to all your operational issues.

Time saving allowing to delay new investments -> **COST SAVING** 

Customed and evolutive design, suited for all workshops -> **MODULARITY** 

Visual polarization preventing any potential mistakes and easy interconnection -> **TIME SAVING** 

Proven reliability in harsh environment -> **SEALING** 



Pour toute information complémentaire, contactez-nous !