

**Desoutter**

## ESP2-A

**Advanced controller  
for SLBN range**

*Connect up to two tools.  
Unique controller for all SLBN range  
Advanced fastening strategies  
& Batch count  
Easy integration*

**More Than Productivity**

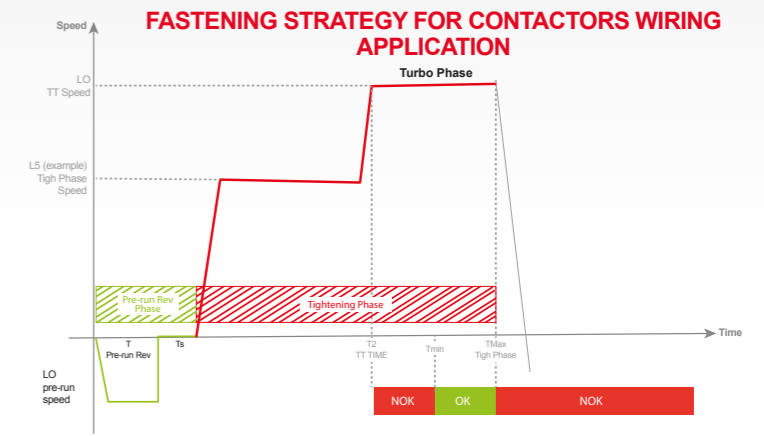
**Industrial** Tools

## Advanced controller for SLBN screwdrivers



### 1 Advanced fastening strategies & Batch count

- 5 Programmable Psets to meet your application needs
- Batch count up to 99 screws
- Adjustable speed in each strategy
- One dedicated fastening strategy for each of your applications



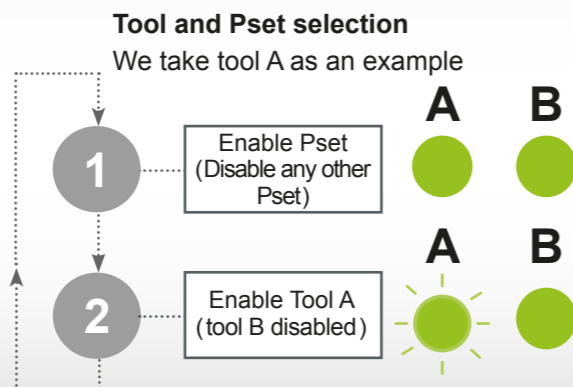
APPLICATIONS	FASTENING STRATEGIES			
	PRE-RUN REVERSE	SLOW-START	TIGHTENING PHASE	POST-RUN REVERSE
Contactors wiring	✓		✓	
Search sequence	✓ with low speed and short time	✓ optional	✓	
Plastics			✓ with low speed	
Self-taping screws			✓ with middle speed	
Soft joints		✓ optional	✓ with high speed	
Hard joints		✓ optional	✓	
Wood			✓	
Placement of threaded fasteners Taping blind holes Cleaning taped holes To disengage bit from screw head (slow speed and short time)		✓	✓ with high speed	✓

\* If you choose a «slow start» phase, check the optimal final speed to clutch. This is not needed if you don't have a «slow start».

### 2 Two Low Voltage clutch tools in one controller

It **improves your cost** by reducing the number of controllers in the Production line. Ideal for working stations with more than one tool

The two tools are independant and cannot run at the same time



### 3 Easy integration in Production line



INPUTS	OUTPUTS
Remote Start	•OK
Remote Reverse	•NOK
Enable tool A	•OK Batch
Enable tool B	•Tool running forward
Enable Reverse	•Tool running reverse
Reset Batch	•NOK
Acknowledgment	•24/12 Vdc
Psets 1 to 5	

Tools can be used manually or automatized in the Production line.

We have all needed inputs and outputs with relays (dry contacts) to work with:

- PLCs
- Robots
- Screwfeeders

**We improve your flexibility in Production**

### 4 Only one controller for all the SLBN range



We **increase your Production flexibility** by having a unique controller for all Desoutter SLBN range

Only one controller from 0,07 to 12 Nm (0,62 to 106,2 in.lb.)

## Low Voltage Screwdriver with clutch shut off - SLBN

0.02 to 12 Nm (0.18 to 106.2 in.lb) - 160 to 2000 rpm

### Flexibility

- Installation by clamping in the top or in the front by a torque fixing ring

### ESD Certification

- Dedicated version for Electrostatic discharge component protection

### Productivity

- Speed up to 2000 rpm
- Maintenance free thanks to brushless motor

### Ergonomy

- Soft Rubber grip
- Low noise level <70dB(A)



A



B



C



D



E



F

MODEL	LENGTH		WEIGHT	
	mm	in.	kg	lb.
SLBN001	174	6.8	0.17	0.37
SLBN003/010	182	7.2	0.38	0.34
SLBN012/020	245	9.6	0.58	1.28
SLBN030/050	283	11.1	0.80	1.76
SLBN090/120	301	11.8	1.25	2.76

PIC REF	MODEL	PART NUMBER	OUTPUT HEX	FREE SPEED		TORQUE RANGE		TORQUE RECOMMENDED		VOLTAGE VDC	CONTROLLER
				in	Hi rpm	Lo rpm	Nm	in.lb	Nm		

### LEVER START - LOW VOLTAGE - CLUTCH CONTROL - SHUT OFF

A	SLBN001-L1000-SWS	615 165 873 0	whing shank	1000	700	0.02-0.14	0.18-1.32	0.10	0.91	15	ESP1.LT included
A	SLBN003-L230-S4Q	615 165 922 0	1/4	230	160	0.07-0.34	0.62-2.99	0.24	2.09	25	ESP1
A	SLBN003-L1000-S4Q	615 165 923 0	1/4	1000	750	0.07-0.34	0.62-2.99	0.24	2.09	25	ESP1
A	SLBN010-L1000-S4Q	615 165 955 0	1/4	1000	750	0.1-1	0.88-8.8	0.70	6.16	25	ESP1
B	SLBN012-L1000-S4Q	615 165 924 0	1/4	1000	750	0.2-1.18	1.76-10.4	0.83	7.28	32	ESP1
B	SLBN012-L2000-S4Q	615 165 925 0	1/4	2000	1500	0.2-1.18	1.76-10.4	0.83	7.28	32	ESP1
B	SLBN020-L1000-S4Q	615 165 926 0	1/4	1000	750	0.29-1.9	2.57-16.8	1.33	11.76	32	ESP1
C	SLBN030-L1000-S4Q	615 165 927 0	1/4	1000	750	1.00-2.9	8.80-25.7	2.03	17.99	40	ESP1-HT
C	SLBN030-L2000-S4Q	615 165 928 0	1/4	2000	1500	1.00-2.9	8.80-25.7	2.03	17.99	40	ESP1-HT
C	SLBN050-L1000-S4Q	615 165 929 0	1/4	1000	750	2.00-4.9	17.7-44.4	3.43	31.08	40	ESP1-HT
D	SLBN090-L800-S4Q	615 165 947 0	1/4	800	600	3.00-9.0	26.6-79.7	6.30	55.79	40	ESP1-HT PLUS
D	SLBN120-L550-S4Q	615 165 948 0	1/4	550	410	4.00-12	35.4-106.2	8.40	74.34	40	ESP1-HT PLUS

### PUSH START - LOW VOLTAGE - CLUTCH CONTROL - SHUT OFF

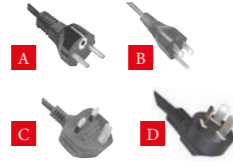
E	SLBN012-A1000-S4Q	615 165 934 0	1/4	1000	750	0.2-1.18	1.76-10.4	0.83	7.28	32	ESP1
E	SLBN012-A2000-S4Q	615 165 935 0	1/4	2000	1500	0.2-1.18	1.76-10.4	0.83	7.28	32	ESP1
E	SLBN020-A1000-S4Q	615 165 936 0	1/4	1000	750	0.29-1.9	2.57-16.8	1.33	11.76	32	ESP1
F	SLBN030-A1000-S4Q	615 165 937 0	1/4	1000	750	1.00-2.9	8.80-25.7	2.03	17.99	40	ESP1-HT
F	SLBN030-A2000-S4Q	615 165 938 0	1/4	2000	1500	1.00-2.9	8.80-25.7	2.03	17.99	40	ESP1-HT
F	SLBN050-A1000-S4Q	615 165 939 0	1/4	1000	750	2.00-4.9	17.7-44.4	3.43	31.08	40	ESP1-HT
D	SLBN090-A800-S4Q	615 165 951 0	1/4	800	600	3.00-9.0	26.6-79.7	6.30	55.79	40	ESP1-HT PLUS
D	SLBN120-A550-S4Q	615 165 952 0	1/4	550	410	4.00-12	35.4-106.2	8.40	74.34	40	ESP1-HT PLUS

## SLBN screwdrivers controllers and accessories

### Controller

**START-UP KIT** to be ordered with the controller  
Including: Power cable and plug

PLUG	DESCRIPTION	PART NO.
A	European	615 917 201 0
B	US	615 917 203 0
C	UK	615 917 202 0
D	Chinese	615 917 206 0



PIC REF	MODEL	PART NUMBER	DIMENSIONS			WEIGHT		VOLTAGE VAC	COMPATIBLE TOOLS			
			WIDTH	HEIGHT	DEPTH	kg	lb					
A	ESP1	615 932 635 0	mm	In	mm	In	mm	In	kg	lb	100-240	SLBN003/012/020
B	ESP1-HT	615 932 637 0	213	8.4	131	5.20	65	2.60	1.80	3.9	100-240	SLBN030/050
B	ESP1-HT PLUS	615 932 707 0	213	8.4	131	5.20	65	2.60	1.63	3.6	100-240	SLBN90/120
C	ESP2-A	615 932 708 0	135	5.3	285	11.2	105	4.1	2.8	4.4	100-240	SLBN003-SLBN120

### Accessories

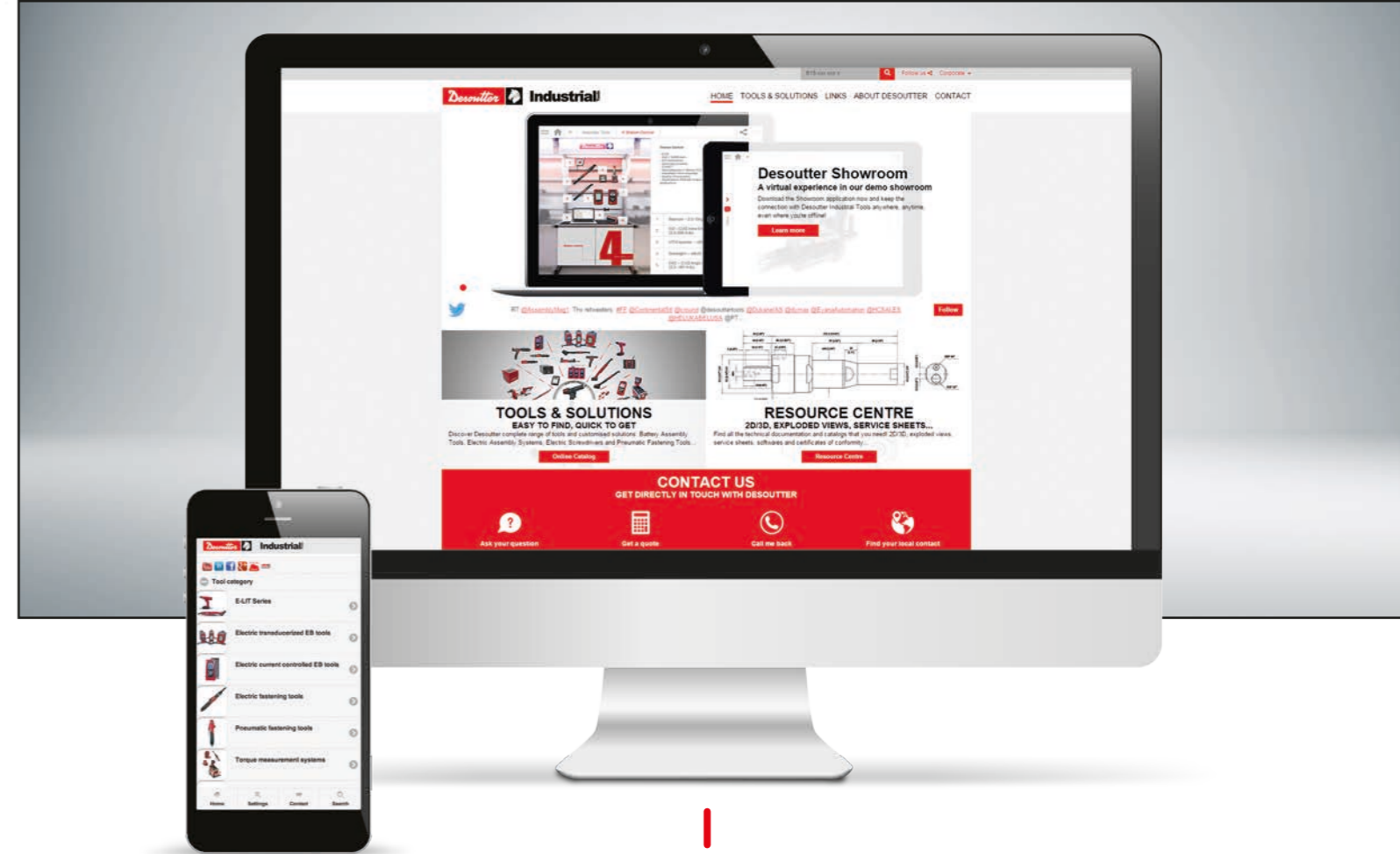
#### SLBN

##### ACCESSORIES INCLUDED

	SLBN
• Torque fixing ring for SLB003	615 225 053 0
• Torque fixing ring for SLB012/020	615 548 218 0
• Torque fixing ring for SLB030/050	615 548 219 0
• Cable L = 1.83m (6ft)	615 397 416 0

##### OPTIONAL ACCESSORIES

ITEM	SLBN
<b>SLBN Tools</b>	
1 Control Box	615 932 709 0
2 Spiral cable 3m (9.9 ft)	615 360 838 0
3 Pistol grip (Trigger) for SLB030/050	615 397 918 0
3 Pistol grip (Push) for SLB030/050	615 397 919 0
3 Pistol grip (Push) for SLB012/020	77562
• Cable, 10m (32.8 ft)	615 360 379 0
• Wall fixing plate for ESP1-HT	615 571 085 5
• Clamp ring for SLB012/020	615 399 057 0
• Clamp ring for SLB030/050	615 397 815 0
• Adaptor M20 SLB012/020	615 548 151 5
• Adaptor M20 SLB 030/050	615 548 152 5
4 Angle head for SLB012/020	615 398 033 0
4 Angle head for SLB030/050	615 398 034 0



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certificates of conformity, CAD files...  
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