



Best results with the right pressure.

**FESTOOL**

## Sanding with compressed air 10

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A robust and reliable machine is the best solution for tough workshop applications and continuous industrial use; particularly when this machine is integral to an overall system. As with Festool pneumatic tools. Orbital sanders and eccentric sanders, together with the IAS 2 integral extraction system, offer tailor-made solutions that tackle virtually any sanding task.

# Sanding with compressed air

## Sanders with staying power.



**Robust, reliable tools are a must for tough sanding applications in the workshop and continuous industrial use. The Festool range of compressed air tools provides the right solution for virtually any application.**

Needless to say, they are all part of an integrated system. Both the compressed air orbital sanders



Festool compressed air eccentric sanders are ideal for sanding vehicle bodywork parts.

and compressed air eccentric sanders form part of the sophisticated IAS 2 system that offers three functions – compressed air, exhaust and dust extraction. All components are compatible. And each machine is impressive in its own right, whether it be the LEX 2 eccentric sander for surfaces and curves, or the orbital sander for flat



LEX 2 eccentric sanders are also suitable for work on vertical surfaces because of their low weight and excellent manoeuvrability.

or recessed surfaces; all have robust, durable vane motors.

Benefits at a glance:

- Long service life and sturdy design
- Jetstream sanding pads for reduced abrasive consumption
- Low weight and non-tiring work
- IAS 2 system for convenient and uncomplicated work



Specially developed for the workshop: the LEX 2 eccentric sander and the IAS 2 system with mobile dust extractor.

## FESTOOL The system



At Festool, we do not only think in terms of tools, but also in terms of systems so that you can work more quickly, easily and efficiently.



### System hose.

The IAS 2 hose combines three functions: compressed air supply, exhaust and dust extraction.

**Accessories on page 231**



### System adapter.

Using IAS 2 adapters, hoses, compressed air and mobile dust extractors can be securely connected.

**Adapter systems on page 231**

## Application overview – Sanding with compressed air

Always the right solution with Festool pneumatic tools: for large areas and curved surfaces. Refer to the table below and the following pages to determine which machine is best suited to your task. You're sure to find the best solution!

	Removal rate	Surface quality	LEX 2 185/7	LEX 2 150/3	LEX 2 150/7	LEX 2 150/11	LEX 2 125/3	LEX 2 125/7	LRS 93 M LRS 93 G	LRS 400
<b>Surfaces</b>										
Coarse	██████████	██	●		●	●	○	●	●	○
Pre-sanding	██████	████	◐	○	◐	◐	○	◐	●	●
Fine sanding	████	██████	○	●	○		◐	○	○	○
Extra-fine	██	██████████		●			●			
<b>Curves</b>										
Coarse	██████████	██	●		●	●	○	●		
Pre-sanding	██████	████	◐	○	◐	◐	○	◐		
Fine sanding	████	██████	○	●	○		●	○		
Extra-fine	██	██████████		●			●			
<b>Corners</b>										
Coarse	██████████	██						◐	●	◐
Pre-sanding	██████	████						●	◐	●
Fine sanding	████	██████						○	○	
Extra-fine	██	██████████								

○ Appropriate   ◐ Very appropriate   ● Extremely appropriate

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### System dust extractors.

Festool mobile dust extractors are compatible with the compressed air systems – standard or retrofitted.

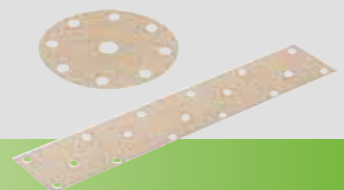
Mobile dust extractors from page 263



### System sanding pads.

The right sanding pad for every task. With the well-known Jetstream principle.

Accessories on page 231



### System abrasives.

Wood, paint or varnish? Festool abrasives produce perfect results with any kind of sanding work.

Abrasives from page 211

# Sanding with compressed air | Machine overview

## Compressed air eccentric sanders LEX 2 125/3 and LEX 2 150/3



### Main applications

- Intermediate, fine and final sanding
- Sanding high-gloss surfaces ready for polishing
- Sanding wooden surfaces ready for waxing
- Finish sanding on paintwork, wood and plastic
- Final sanding of filler and mineral materials

### Strengths and benefits

- Softgrip cap to prevent slipping
- Dead-man switch for safe work
- Clearly visible stroke indicator
- Jetstream sanding pad for optimal dust extraction
- Sanding pad brake gives a clean pattern
- VibrationsStop for healthy, non-tiring work
- Robust vane motor for a long service life
- MPE sanding pad with Jetstream principle

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Operating pressure (flow pressure) 6 bar	
No. of strokes	16000 min <sup>-1</sup>
Sanding stroke	3 mm
Air consumption at rated load	390 l/min
Grinding disk Ø	125/150 mm
Weight	1,3 kg



## Compressed air eccentric sanders LEX 2 125/7 and LEX 2 150/7



### Main applications

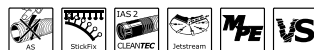
- Intermediate and coarse sanding
- Sanding wood, paint and varnish
- Pre-sanding mineral surfaces
- Sanding primed surfaces
- Intermediate varnish sanding

### Strengths and benefits

- Softgrip cap to prevent slipping
- Dead-man switch for safe work
- Clearly visible stroke indicator
- Jetstream sanding pad for optimal dust extraction
- Sanding pad brake gives a clean pattern
- VibrationsStop for healthy, non-tiring work
- Robust vane motor for a long service life
- MPE sanding pad with Jetstream principle

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Operating pressure (flow pressure) 6 bar	
No. of strokes	16000 min <sup>-1</sup>
Sanding stroke	7 mm
Air consumption at rated load	390 l/min
Grinding disk Ø	125/150 mm
Weight	1,3 kg



## Compressed air eccentric sander LEX 2 150/11



### Main applications

- For polishing and coarse sanding
- Coarse sanding large, filled surfaces

### Strengths and benefits

- Softgrip cap to prevent slipping
- Dead-man switch for safe work
- Clearly visible stroke indicator
- Jetstream sanding pad for optimal dust extraction
- Sanding pad brake gives a clean pattern
- VibrationsStop for healthy, non-tiring work
- Robust vane motor for a long service life

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Operating pressure (flow pressure) 6 bar	
No. of strokes	14000 min <sup>-1</sup>
Sanding stroke	11 mm
Air consumption at rated load	390 l/min
Grinding disk Ø	150 mm
Weight	1,3 kg



### Compressed air eccentric sander LEX 2 185/7



#### Main applications

- Intermediate and coarse sanding
- Sanding large, flat surfaces
- Light sanding of paint, varnish and wooden materials
- High material removal rate and coverage capacity thanks to a 185 mm sanding pad and 7 mm sanding stroke

#### Strengths and benefits

- Softgrip cap to prevent slipping
- Dead-man switch for safe work
- Clearly visible stroke indicator
- Jetstream sanding pad for optimal dust extraction
- Sanding pad brake gives a clean pattern
- VibrationsStop for healthy, non-tiring work
- Robust vane motor for a long service life
- MPE sanding pad with Jetstream principle

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Operating pressure (flow pressure) 6 bar	
No. of strokes	14000 min <sup>-1</sup>
Sanding stroke	7 mm
Air consumption at rated load	390 l/min
Grinding disk Ø	185 mm
Weight	1,6 kg



### Compressed air orbital sander LRS 93



#### Main applications

- Sanding flat surfaces and into corners
- Light sanding of varnished surfaces
- Sanding natural woods and veneer prior to varnishing

#### Strengths and benefits

- Machine is easy to guide
- Speed and stroke preselection
- VibrationsStop for healthy, non-tiring work
- Robust vane motor for a long service life
- StickFix sanding pads and abrasive for quick changes
- LRS 93 G with handle for secure control

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Operating pressure (flow pressure) 6 bar	
No. of strokes	14000 min <sup>-1</sup>
Sanding stroke	4 mm
Air consumption at rated load	310 l/min
Sanding pad StickFix	93 x 175 mm
Weight LRS 93 G	1,2 kg
Weight LRS 93 M	1,4 kg



### Compressed orbital sander LRS 400



#### Main applications

- Sanding large, flat surfaces
- Working on primed surfaces
- Sanding of different types of materials with use of the speed adjustment

#### Strengths and benefits

- Lightweight and handy despite its size
- High material removal rate on large, flat surfaces
- Highly effective dust extraction
- Softgrip handle
- VibrationsStop for healthy, non-tiring work
- Robust vane motor for a long service life
- StickFix sanding pad and abrasive for quick changes

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Operating pressure (flow pressure) 6 bar	
No. of strokes	14000 min <sup>-1</sup>
Sanding stroke	4 mm
Air consumption at rated load	390 l/min
Sanding pad StickFix	80 x 400 mm
Weight	2,3 kg



# Sanding with compressed air | Compressed air eccentric sander LEX 2

## The all-rounder for any sanding task.

The LEX 2 compressed air eccentric sanders by Festool are suitable for any type of sanding work in the workshop. With their different versions of 125 mm to 185 mm pad sizes and a stroke of 3 mm, 7 mm or 11 mm, they are ready for any type of application. Whether used for coarse sanding, intermediate sanding or fine sanding in a continuous production line or on a workbench – these tough tools know how to impress.



### Compressed air eccentric sander LEX 2 – The different options

E = with electronics S = with SYSTAINER

Model	E	S	Equipment/Scope of delivery	Order no.
LEX 2 125/3	–	–	StickFix sanding pad Ø 125 (extra soft), 1 StickFix sanding disc Titan 2, 1 bottle cleaning and lubricating oil LD-10 (50 ml), operation tool, note: an IAS 2 connecting system is required for operation, in carton	691128
LEX 2 125/7	–	–	sanding pad StickFix Ø 125 mm (soft-HT), 1 StickFix sanding disc Titan 2, 1 bottle cleaning and lubricating oil LD-10 (50 ml), operation tool, note: an IAS 2 connecting system is required for operation, in carton	691127
LEX 2 150/3	–	–	StickFix sanding pad Ø 150 (supersoft), 1 StickFix sanding disc Titan 2, 1 bottle cleaning and lubricating oil LD-10 (50 ml), operation tool, note: an IAS 2 connecting system is required for operation, in carton	692095
LEX 2 150/7	–	–	sanding pad StickFix Ø 150 mm (soft), 1 StickFix sanding disc Titan 2, 1 bottle cleaning and lubricating oil LD-10 (50 ml), operation tool, note: an IAS 2 connecting system is required for operation, in carton	692094
LEX 2 150/11	–	–	sanding pad StickFix Ø 150 mm (soft HT), StickFix Cristal sanding discs, 1 bottle cleaning and lubricating oil LD-10 (50 ml), operation tool, note: an IAS 2 connecting system is required for operation, in carton	691130
LEX 2 185/7	–	–	StickFix sanding pad Ø 185 mm, 1 StickFix sanding disc Titan 2, 1 bottle cleaning and lubricating oil LD-10 (50 ml), operation tool, note: an IAS 2 connecting system is required for operation, in carton	692096

Technical data, see page 226

Accessories see page 231

## LEX 2 – With air that really gets things moving.



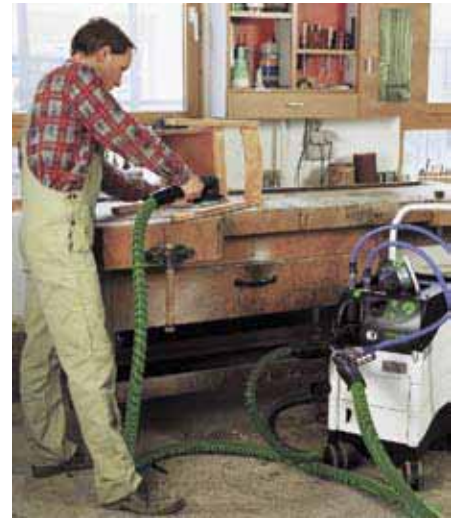
### Smooth braking for improved quality.

It is annoying when a simple working error makes a big dent in your profits. This is why LEX 2 machines have a sanding pad brake, to prevent scratching and scuffing when the machine is set down on the workpiece.



### Holes for improved efficiency.

Jetstream is the magic word. Festool has significantly increased the useful life of abrasives with the 9-hole sanding pad principle, which enhances dust extraction, generates less heat and reduces smearing and caking as a result.



### Optimised dust extraction.

Like with all Festool machines, when the LEX 2 was developed, the main emphasis was placed on efficient dust extraction. Clean, healthy working conditions are no longer a pipe dream.



### Pad benefits.

A wide range of other sanding pads are available for the LEX 2 in addition to the standard pads made from MPE. From extra-soft to hard, our extremely wear-resistant pads use the practical StickFix system.



### System-compatible.

Operating an efficient dust extraction system while working with a compressed air machine usually requires several hoses. Not with the IAS 2 system by Festool. One hose incorporates three functions: compressed air, exhaust and dust extraction.



### High-quality components.

Festool pneumatic tools have a large number of detailed solutions at their disposal. For example, wear-resistant vanes and rotors that guarantee a long service life.

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# Sanding with compressed air | Compressed air orbital sander LRS

## Specialists for flat surfaces.

When sanding large or flat surfaces, the orbital sanders are still one step ahead. Festool offers three versions for compressed air applications: the compact LRS 93 G and LRS 93 M, and the LRS 400 for large surface areas. All are equipped with an IAS 2 connector.

### Easy guidance.

All compressed air orbital sanders are easy to guide, both with one or two hands. The Softgrip and the additional handle on the LRS 400 give you complete control of the machine.

### Vibration stop.

Less stress on your hands and wrists. VS balancing reduces vibrations and oscillations, and is kind to both you and your machine.

### Sanding pad.

The extremely wear-resistant MPE sanding pad keeps its shape and has a long useful life, increasing the economic efficiency of the system.



### Speed preselector.

For adjusting the stroke speed to suit the working material, which increases the working quality.

### StickFix.

Needless to say, all sanding pads and abrasives are compatible with the StickFix system, allowing you to change abrasives quickly and without requiring tools. The high-strength MPE sanding pads ensure a long useful life.

Only Festool compressed air machines such as the LRS 400 orbital sander incorporate outstanding performance and a sophisticated design. The ergonomic housing and perfect power-to-weight ratio of the LRS 400 allow for non-tiring work over long periods. Integrated in the IAS 2 system, the LRS 400 is the ideal partner for time-consuming sanding work over large surface areas.



The LRS 400: designed and built for sanding both flat and contoured large surfaces more easily.



The Softgrip and additional handle help keep the LRS 400 under control at all times.



The LRS 400 sanding pad is made from extremely wear-resistant MPE plastic: for a longer useful life and increased economic efficiency.



StickFix for easy sanding disc changes.

## Compressed air orbital sander LRS – The different options

E = with electronics S = with SYSTAINER

Model	E	S	Equipment/Scope of delivery	Order no.
LRS 400	–	–	1 sanding pad StickFix 80 x 400 mm (soft), 1 StickFix abrasive sheets Titan 2, 1 bottle cleaning and lubricating oil LD-10 (50 ml), note: an IAS 2 connecting system is required for operation, in carton	692099
LRS 93 M	–	–	StickFix sanding pad 93 x 175 mm (soft), 1 StickFix abrasive sheets Titan 2, 1 bottle cleaning and lubricating oil LD-10 (50 ml), (without hand grip), note: an IAS 2 connecting system is required for operation, in carton	692049
LRS 93 G	–	–	StickFix sanding pad 93 x 175 mm (soft), 1 StickFix abrasive sheets Titan 2, 1 bottle cleaning and lubricating oil LD-10 (50 ml), (with hand grip), note: an IAS 2 connecting system is required for operation, in carton	692050

Technical data, see page 227

Accessories see page 231



Product	Explanation	Order no.
① Sanding pad StickFix	see „Sanding, RS 300 system accessories“ section, page 204	
② Sanding pad SSH-STF-80x400/17	for LRS 400, soft, Dimensions 80 x 400 mm	493140
③ Sanding pad ST-STF-D185/16-M8 W	for LEX 185, soft version, for universal use on plain and arced surfaces, Connecting thread M8, in self-service display pack	490514
Sanding pad ST-STF-D185/16-M8 SW	for LEX 185, ultra-soft version, elastic structure, for heavy roundings and cambers, Connecting thread M8, in self-service display pack	490526
④ Sanding pad Ø 150 mm	see „Sanding“ section, from page 202	
Sanding pad ST-STF-LEX 125/90/8-M8 H	for LEX 125, hard version, high edge solidity, for plain surfaces and narrow edges, Connecting thread M8, in self-service display pack	492284
Sanding pad ST-STF-LEX 125/90/8-M8 W-HT	for LEX 125, soft version, for universal use on plain and arced surfaces, high temperature durability burr, for robust use with grit up to P220, Connecting thread M8, in self-service display pack	492286
Sanding pad ST-STF-LEX 125/90/8-M8 SW	for LEX 125, ultra-soft version, elastic structure, for heavy roundings and cambers, Connecting thread M8, in self-service display pack	492288
⑤ Interface pad IP-STF-D145/8-STF	for sanding work on welded parts and very fine sanding with eccentric sander, Ø 150 mm, as damping element between sanding disc and sanding pad, Height 15 mm, Diameter 145 mm, in self-service display pack	492212
Interface pad IP-STF-D120/90/8	as damping element between sanding disc and sanding pad, for sanding contoured parts and fine-sanding parts with eccentric sander Ø 125 mm, Height 15 mm, Diameter 120 mm, in self-service display pack	492271
⑥ Abrasives	for all LRS, LEX, LEX 2 models, see „Sanding“ section from page 211	
⑦ Guide control black powder HB-Set	Hand sanding block, Guide control black powder, 2 cartridges, for visibly checking surfaces to be sanded, Weight 2 x 30 g	495939
Refillable cartridge 2x30 g	refill for the guide control black HB set, Weight 2 x 30 g	495940
⑧ Hose IAS 2-3500 AS	in accordance with DIN IEC 312, antistatic, Length 3,5 m, Bleeder resistor (DIN IEC 312) < 10 MΩ, temperature-resistant up to + 70 °C, in carton	487901
Hose IAS 2-5000 AS	in accordance with DIN IEC 312, antistatic, Length 5 m, Bleeder resistor (DIN IEC 312) < 10 MΩ, temperature-resistant up to + 70 °C, in carton	488176
Hose IAS 2-7000 AS	in accordance with DIN IEC 312, antistatic, note: not with combination of CT/SR and ASA, Length 7 m, Bleeder resistor (DIN IEC 312) < 10 MΩ, temperature-resistant up to + 70 °C, in carton	488131
Hose IAS 2-10000 AS	in accordance with DIN IEC 312, antistatic, note: not with combination of CT/SR and ASA, Length 10 m, Bleeder resistor (DIN IEC 312) < 10 MΩ, temperature-resistant up to + 70 °C, in carton	494006
Hose IAS 2-3500	Length 3,5 m, temperature-resistant up to + 70 °C, in carton	488132
Hose IAS 2-5000	Length 5 m, temperature-resistant up to + 70 °C, in carton	488175
Hose IAS 2-7000	note: not with combination of CT/SR and ASA, Length 7 m, temperature-resistant up to + 70 °C, in carton	488133
⑨ IAS 2 connection IAS 2-A-SR	adapter to connect LE dust extractor from the SR series to IAS 2 hoses, antistatic design, integrated connection for air supply, External conus 58 mm, in carton	488181
⑩ Connecting sleeve IAS 2-AK-B1	special adapter for SRM 312 LE-AS/SRM 70 LE-EC dust extractors, aluminium, can only be used with IAS 2 adapter IAS 2-A-SR, Exterior Ø 51/40 mm, Interior Ø 48/33 mm	489263
⑪ IAS 2 connection IAS 2-A-ASA/CT/SRM45/70	for SRM 45, SRM 70, CT dust extractors, to connect IAS 2 hoses, integrated connection for air supply via air connection hose, antistatic design, not for the CT 11/CT MINI/CT MIDI, External conus 58 mm, in carton	454757
⑫ IAS 2 double adapter IAS 2-DA-CT	for the simultaneous connection of 2 IAS 2 compressed air tools that are alternately operated (additional connection IAS 2-A-ASA/CT/SRM45/70 (454757) required), External conus 58 mm, in carton	454758
⑬ Adapter AD-IAS 2/D36	for the use with D 36 suction nozzles IAS 2 hoses, note: If IAS 2 hoses are used without this adapter to extract dirt directly the hoses and air tools may be damaged by dirt deposits in connecting parts	488418
⑭ Accessories SYSTAINER SYS-SERVICE LEX	1x rotor, 4x lamella, 5x silencers, 5x woodruff keys, 5x dual pinch clips, sealing and O-rings in various sizes	489200
Cleaning and lubricating oil LD-10/50	special oil for compressed air preparation, 50 ml	481713
Cleaning and lubricating oil LD 10/1000	special oil for compressed air preparation	481722