



Best results with the right pressure.

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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 integrated in a complete 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.



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

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 sand-

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

Benefits at a glance:

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



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



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

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 249



System adapter.

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

Adapter systems on page 249

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!

	Material 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 400
Surfaces										
Coarse sanding	██████████	██	●		●	●	○	●	●	○
Rough sanding	██████████	██████	○	○	○	○	○	○	●	●
Fine sanding	██████	██████████	○	●	○		○	○	○	○
Extra-fine sanding	██	██████████		●			●			
Curves										
Coarse sanding	██████████	██	●		●	●	○	●		
Rough sanding	██████████	██████	○	○	○	○	○	○		
Fine sanding	██████	██████████	○	●	○		●	○		
Extra-fine sanding	██	██████████		●			●			
Corners										
Coarse sanding	██████████	██						○	●	○
Rough sanding	██████████	██████						●	○	●
Fine sanding	██████	██████████						○	○	
Extra-fine sanding	██	██████████								

○ Appropriate ○ Very appropriate ● Extremely appropriate

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System dust extractors.

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

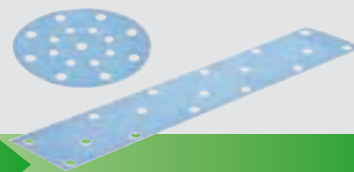
Mobile dust extractors from page 281



System sanding pads.

The correct sanding pad for every task. With the Jetstream or MULTI-JETSTREAM principle (Ø 150 mm).

Accessories on page 248



System abrasives.

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

Abrasives from page 222

Sanding with compressed air

Machine overview

Compressed air eccentric sander LEX 2 125/3



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

- Dead-man switch for safe work
- Clearly visible stroke indicator
- 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
- Softgrip cap to prevent slipping

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Technical data

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



Compressed air eccentric sanders LEX 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

- Dead-man switch for safe work
- Clearly visible stroke indicator
- Sanding pad brake gives a clean pattern
- VibrationsStop for healthy, non-tiring work
- Robust vane motor for a long service life
- MPE sanding pads with unique MULTI-JETSTREAM principle for maximum extraction efficiency and sanding power
- Softgrip cap to prevent slipping

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Technical data

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



Compressed air eccentric sander LEX 2 125/7



Main applications

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

Strengths and benefits

- Dead-man switch for safe work
- Clearly visible stroke indicator
- 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
- Softgrip cap to prevent slipping

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Technical data

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



Compressed air eccentric sander LEX 2 150/7



Main applications

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

Strengths and benefits

- Dead-man switch for safe work
- Clearly visible stroke indicator
- Sanding pad brake gives a clean pattern
- VibrationsStop for healthy, non-tiring work
- Robust vane motor for a long service life
- MPE sanding pads with unique MULTI-JETSTREAM principle for maximum extraction efficiency and sanding power
- Softgrip cap to prevent slipping

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Technical data

Operating pressure (flow pressure)	6 bar
No. of strokes	16000 min ⁻¹
Sanding stroke	7 mm
Air consumption at rated load	390 l/min
Grinding disk Ø	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

- Dead-man switch for safe work
- Clearly visible stroke indicator
- Sanding pad brake gives a clean pattern
- VibrationsStop for healthy, non-tiring work
- Robust vane motor for a long service life
- MPE sanding pads with unique MULTI-JETSTREAM principle for maximum extraction efficiency and sanding power
- Softgrip cap to prevent slipping

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Technical data

Operating pressure (flow pressure)	6 bar
No. of strokes	14000 min ⁻¹
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

- Dead-man switch for safe work
- Clearly visible stroke indicator
- 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
- Softgrip cap to prevent slipping

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Technical data

Operating pressure (flow pressure)	6 bar
No. of strokes	16000 min ⁻¹
Sanding stroke	7 mm
Air consumption at rated load	390 l/min
Grinding disk Ø	185 mm
Weight	1,4 kg



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Sanding with compressed air

Machine overview

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

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Technical data

Operating pressure (flow pressure)	6 bar
No. of strokes	14000 min ⁻¹
Sanding stroke	4 mm
Air consumption at rated load	310 l/min
Sanding pad StickFix	93 x 175 mm
Weight	1,2 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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Technical data

Operating pressure (flow pressure)	6 bar
No. of strokes	14000 min ⁻¹
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.



<p>Dead-man switch. The LEX 2s are fitted with a dead-man switch to ensure continuous safe work.</p>	
<p>Speed preselector. Using the speed and sanding stroke preselector to adapt the machine to the working material increases the working quality.</p>	
<p>IAS 2 connection. 3 functions in one hose: compressed air supply, exhaust air and dust extraction. The tools can be changed quickly and easily.</p>	
<p>Sealed bearing. The bearing on the LEX 2 is tightly sealed because things can sometimes get dusty despite the presence of a dust extractor. Its solid design also helps guarantee a long service life.</p>	
<p>Softgrip cap. The Softgrip coating on the tool ensures easy machine guidance with no slipping.</p>	
<p>Stroke indicator. LEX 2 machines have a clearly visible stroke indicator to prevent you from using the wrong machine for the job. For improved quality.</p>	

Scope of delivery	Order no.
bottle cleaning and lubricating oil LD-10 (50 ml), operation tool, in a carton	
LEX 2 125/3 StickFix sanding pad Ø 125 mm (extra soft)	691128
LEX 2 125/7 StickFix sanding pad Ø 125 mm (soft-HT)	691127
LEX 2 150/3 StickFix sanding pad Ø 150 (supersoft)	691135
LEX 2 150/7 StickFix sanding pad Ø 150 mm (soft HT)	691133
LEX 2 150/11 StickFix sanding pad Ø 150 mm (soft HT)	691136
LEX 2 185/7 StickFix sanding pad Ø 185 mm (soft)	692096

Accessories see page 248

Note: an IAS 2 connecting system is required for operation

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.



Sanding with built-in dust conveying system.

High material removal capacity with maximum dust extraction. The patented MULTI-JETSTREAM pad (Ø 150 mm) guarantees significantly better sanding results and, at the same time, has time and cost advantages.



Pad benefits.

A wide range of other sanding pads are available for the LEX 2 in addition to 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 all three functions: compressed air, exhaust and dust extraction.

Technical data LEX 2 125/3, 125/7

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

Technical data LEX 2 150/3, 150/7

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

Technical data LEX 2 150/11

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

Technical data LEX 2 185/7

Operating pressure (flow pressure)	6 bar
No. of strokes	16000 min ⁻¹
Sanding stroke	7 mm
Air consumption at rated load	390 l/min
Grinding disk Ø	185 mm
Weight	1,4 kg

Sanding with compressed air

Compressed air orbital sander LRS

Specialists for flat surfaces.

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

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.



Speed preselector.

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

StickFix sanding pad.

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.

Scope of delivery	Order no.
Note: an IAS 2 connecting system is required for operation, bottle cleaning and lubricating oil LD-10 (50 ml), in a carton	
LRS 400 StickFix sanding pad 80 x 400 mm (soft)	692099
LRS 93 M StickFix sanding pad 93 x 175 mm (soft)	692049

Technical data, see page 242

Accessories see page 248



Sanding with compressed air

System overview and accessories



Accessories for air tools

Product	Explanation	Order no.
① Sanding pad StickFix	see "Sanding, RS 300 system accessories" section, page 215	
② Sanding pad SSH-STF-80x400/17	for LRS 400, soft, Dimensions 80 x 400 mm, in self-service display pack	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 213	
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, 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 D 150/17 MJ	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, MULTI-JETSTREAM, Height 15 mm, Diameter 145 mm, in self-service display pack	496647
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, Diameter of jet stream holes 90 mm, in self-service display pack	492271
⑥ Abrasives	for all LRS, LEX, LEX 2 models, see "Sanding" section from page 222	
⑦ Guide control black powder HB-Set	for visibly checking surfaces to be sanded, hand sanding block, 2 cartridges guide control black powder, weight 2 x 30 g, in a carton	495939
Refillable cartridge 2x30 g	refill for the guide control black HB set, weight 2 x 30 g, in a carton	495940



Accessories for air tools

Product	Explanation	Order no.
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 a 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 a carton	488176
Hose IAS 2-7000 AS	antistatic, in accordance with DIN IEC 312, 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 a carton	488131
Hose IAS 2-10000 AS	antistatic, in accordance with DIN IEC 312, 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 a carton	494006
Hose IAS 2-3500	Length 3,5 m, temperature-resistant up to + 70 °C, in a carton	488132
IAS 2 hose IAS 2-5000	Length 5 m, temperature-resistant up to + 70 °C, in a carton	488175
IAS 2 hose IAS 2-7000	note: not with combination of CT/SR and ASA, Length 7 m, temperature-resistant up to + 70 °C, in a 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 a 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 58 mm, Interior Ø 40/34 mm, in a bag	489263
⑪ IAS 2 connection IAS 2-A-ASA/CT/SRM45/70	for SRM 45, SRM 70, CT dust extractors, for EAA in EW/DW-version, 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 a 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), not for the CT 11/CT MINI/CT MIDI, External conus 58 mm, in a 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, in a bag	488418
⑭ SYSTAINER SYS-SERVICE LEX	rotor, 4 lamella, 5 silencers, 5 woodruff keys, 5 dual pinch clips, sealing and O-rings in various sizes, in a SYSTAINER SYS 1 T-LOC	497975
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