Lägler®

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TRIO

The three-disc sanding machine

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Applications

The TRIO is mainly used for fine sanding of wooden floors. It is also ideal for working on engineered wood flooring, even if it is floating. Among other things, it is characterised by its extremely effective dust extraction performance. Another highlight is the near-edge and direction-free sanding.

Technical Data*

Motor:	single-phase alternating current with no-voltage release
Voltage:	230 V / 50 Hz
Motor power:	1.8 kW
Necessary fuse protection of mains supply:	at least 16 A
Speed of disc:	approx. 600 1/min (rpm)
Diameter of disc:	200 mm (approx. 7.9”)
Number of discs:	3
Overall weight of machine:	76 kg (approx. 167 lbs)

Particularities

- ✓ Near-edge and non-directional sanding
- ✓ High extraction capacity due to integrated filter system
- ✓ Versatile application range
- ✓ User-friendly
- ✓ Quick disc change
- ✓ Smooth running
- ✓ Thermal overload protection of the motor
- ✓ Robust housing

*) The TRIO is available on request in other versions (depending on the power supply in your country and the area of application).

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Scope of delivery

- ✓ **Tool bag** - with the necessary tools.
- ✓ **Dust bag system** - its generous volume enables the collection of a large amount of dust.
- ✓ **Extension cable** - with a cable cross-section of 3 x 2.5 mm² and a cable length of 10 metres.
- ✓ **Normal pad and sanding grid (G 100)** - so that nothing stands in the way of the first sanding.
- ✓ **Cotton bag** - all accessories included in the scope of delivery are safely stored here.
- ✓ **Operating instructions / sanding manual** - important information about the machine and applications.

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Accessories

The matching accessories expand the possible uses of the TRIO.
Discover the numerous possibilities!

LED Work Light

With the robust LED work light, the entire working area in front of the TRIO can be illuminated. This makes it possible to inspect the condition of the floor or the quality of a previous sanding step before each subsequent step.

The assembly and disassembly of the LED work light is extremely quick and easy.

No external power supply is needed to run the LED work light. Power is supplied via an easy to disconnect plug connection on the machine.

Technical data:
- Power: 30 Watt
- Luminous flux: 3.480 lm
- Number of LEDs: 32 pieces
- Pivot range of the lighting unit: 70°

Dust Bag System

Since October 2019, the TRIO has been delivered with a new dust bag system in which the MultiClip used until then has been replaced by a sealing fixing ring. This makes changing the dust bag even easier and faster than before. The corresponding dust bags have a larger capacity.

All TRIO Machines delivered earlier than October 2019 can be retrofitted with this system.

Cable Support Bracket and Cable Support

The cable support bracket can be attached to the chassis of the TRIO in the area of the handle. The cable support is then hooked into this. This ensures that the extension cable, which is attached to it with a rubber ring, is always held securely out of the working area of the machine.

The cable support can be turned to the right and left.

Safety Switch PRCD-S

The PRCD-S detects all possible electrical faults and prevents the machine from being switched on. Before switching on and during operation of the machine, the intact protective conductor functions are checked.

Furthermore, it prevents the machine from restarting automatically, e. g. after the elimination of a power failure.

Milling Discs

The milling disc, which is made of aluminium, can be equipped with three or six cutter holders, depending on the desired aggressiveness. Each holder carries a carbide indexable insert.

There are multiple applications for the milling discs: subfloor preparation and the removal, for example, of residual adhesive, residual felt and residual carpet backing. The TRIO milling discs can also be used on chipboards and OSB-panels.

However, they are not suitable for use on wooden floors.

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Brushing Discs

With the brushing discs specially designed for the TRIO, natural, strikingly structured surfaces can be created. After mounting the brushing set, the wooden floor can be brushed close to the wall in only one step with a very low dust level. This gives the wooden floor a rustic appearance.

Depending on the type of wood and desired structure depth, the following brushing sets can be used:

Nylon brushes

Brush bristles made of abrasive nylon fibers for the structuring of softwood floors (e. g. spruce, pine, pitch pine).

Brass brushes

Brush bristles made of brass wires for the gentle structuring of hardwood floors (e. g. oak).

Stainless steel brushes

Aggressive brush bristles made of stainless steel wire for pronounced structuring of hardwood floors (e. g. oak).
This can give the floor a particularly rustic character.

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Advantages of the TRIO brushing discs

- ✓ Only one working step is required with the brushing discs.
- ✓ Also suitable for laying types with different wood grain directions (e. g. mosaic).
- ✓ Brushing close to the edge.
- ✓ Efficient suction power.
- ✓ Quick and easy conversion from sanding to brushing discs.
- ✓ For structuring newly laid wood floors and wood floors to be renovated.

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Abrasives for the TRIO

The Lägler®-abrasives are optimally matched to the TRIO and its wide range of applications.

The use of high-quality materials ensures maximum efficiency when using our sanding discs, sanding grids, as well as our polishing and sanding pads! Lägler® sanding discs are equipped with a velcro coating. A particularly high-quality paper backing is used for their production. They can be quickly and easily attached to the sanding disc. Sanding grids are used for fine sanding as well as intermediate lacquer sanding with the TRIO to remove any light scratches that may still be present. The use of sanding grids makes it possible to achieve a visually and haptically significantly better end result.

With Lägler® abrasives you get the maximum out of your machines!

TRIO sanding discs and sanding grids are available in the following grit sizes:

TRIO Ø 203 mm	16	24		40		60	80	100	120	150	180	
TRIO Ø 203 mm Sanding screen						60	80	100	120	150	180	220
TRIO Ø 203 mm Sanding screen with velcro							80	100	120			

- Aluminium oxide / Corundum
- Zircon
- Silicon carbide (Sanding disk)
- Silicon carbide (Sanding screen)
- Silicon carbide (Sanding screen with velcro)

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