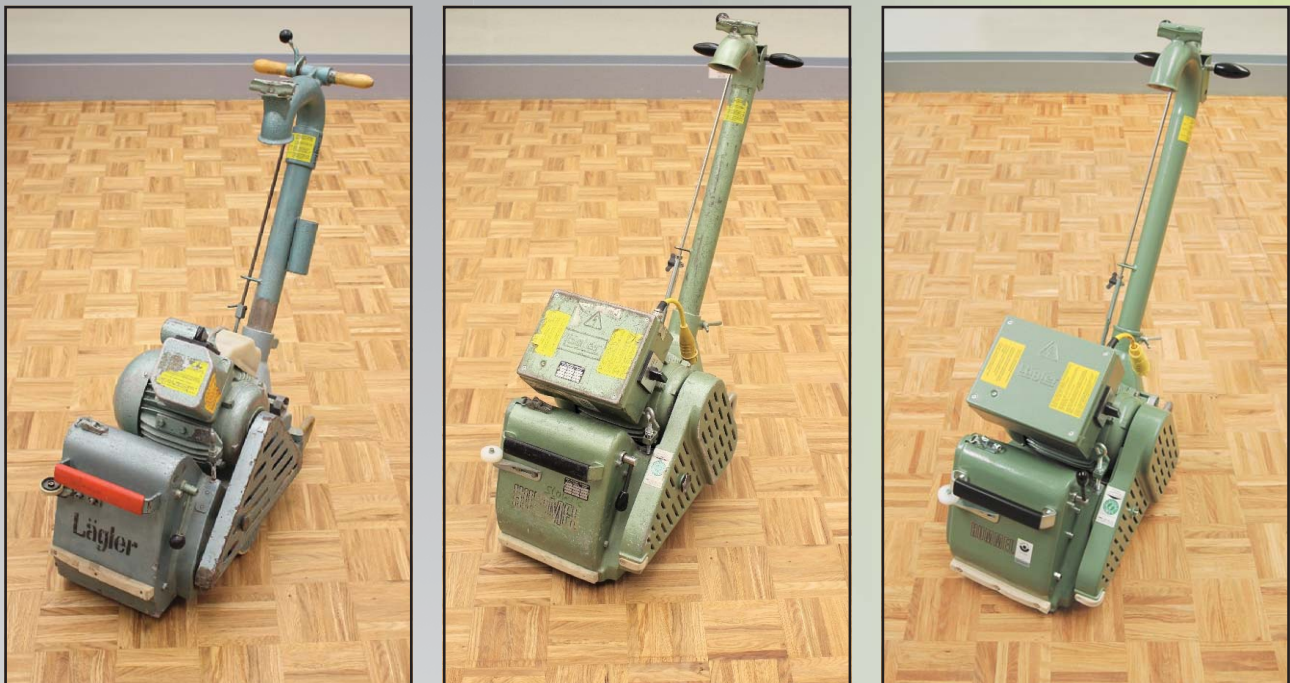




**SUSTAINABILITY OF LÄGLER® MACHINES**

German engineering, high-quality materials, robust and stable construction with low-wear components ensure decades of continuous use of all machines with consistent high quality sanding. **30 or more years** of use are common.



**Pic. 1** Sustained advancement of the belt sander HUMMEL® (construction years 1970, 1995, 2015).

When modifications of current and future machines are made, it is very important for LÄGLER® to guarantee compatibility to existing machines. This means all parts will work even in older models. For this reason the well proven machines from our company are technically improved over time, if necessary, but the exterior remains familiar.

Examples of this can be found on the following pages.

## SUSTAINABILITY OF THE HUMMEL® AND THE LATERAL WHEELS



**Pic. 2** Old lateral wheel of the HUMMEL®.

### Evolution of the lateral wheels?

Older HUMMEL® sanders can be upgraded with the current version of the lateral wheel, so your HUMMEL® no matter the age is never obsolete.

**This type of update is only provided by LÄGLER®.**



**Pic. 3** Current lateral wheel, easy and fast to exchange.

### Development of the current lateral wheel

The development led from a sheet metal covered lateral wheel (Pic. 2) to the current version (Pic. 3). The old wheels were made out of considerably more components. The old synthetic wheel facing was grouted onto the wheel hub, this made changing wheels difficult.

Therefore, the HUMMEL®-lateral wheel was continuously improved and can now be changed simply and fast without disassembling the whole lateral wheel unit.

Now you just remove a single screw and washer to exchange the wheel (Pic. 3).

More on this topic can be found in our DIREKT 09 / 2011.



**Pic. 4** Current lateral wheel with wheel arm.

### On the subject of sustainability (source: Wikipedia):

**Products which have proven their reliability for long periods of time which can be maintained easily in case of repair, are in the trend.**

## SUSTAINABILITY DUE TO MAINTENANCE AND CARE

### Old lateral wheels can cause problems

The LÄGLER® repair department notices frequently that sanding mistakes are caused in many cases by worn-out, dirty or old lateral wheels. Worn-out wheel facing, bearings not running smooth enough any longer or the synthetic material has become too brittle.

There was a major change especially in the composition of the synthetic material of the wheel itself. The current wheel is made from a material that has lower wear and better working qualities.

**Old lateral wheels (Pic. 2) should be changed to the current version (Pic. 3 + 4).**

### Sanding marks from old rear wheel

Similar to the lateral wheels, a worn-out or defective rear wheel causes issues on the sanded surface. The rear wheel can be damaged over time and might stay unnoticed to the craftsman due to everyday use of the machine.

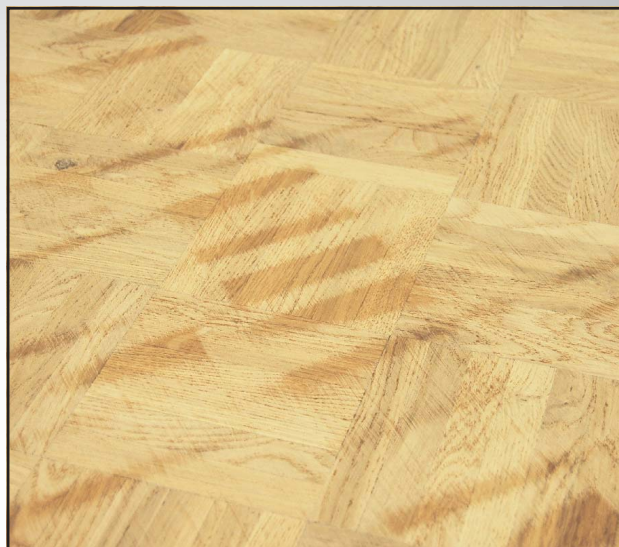
Depending on the type of defect, slight or strong chatter marks (wavy appearance) will become visible on the finished surface. These problems are often expensive and difficult to repair.

This is why the rear wheel needs to be checked, maintained and replaced on a regular basis. Older model HUMMEL® sanders can be upgraded to the current version of the rear wheel.

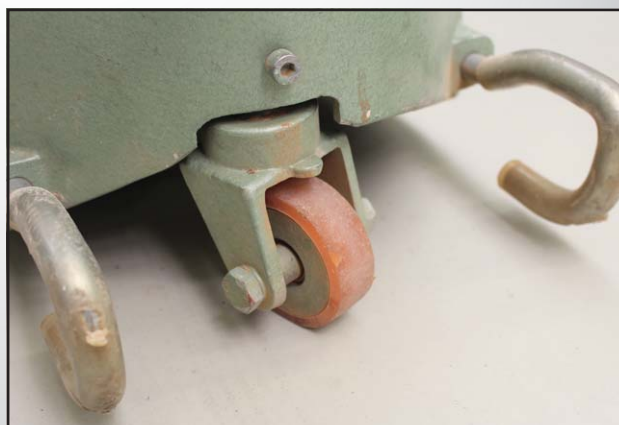
### Interaction between rear and lateral wheels

To reduce the chance of creating chatter marks, we recommend changing all wheels at the same time (rear and lateral).

Replacement should be part of preventive maintenance before damage occurs.



**Pic. 5** Chatter marks due to defective wheels.



**Pic. 6** Old rear wheel.



**Pic. 7** Current rear wheel.

## THE HUMMEL® - SUSTAINABILITY IN A NUTSHELL



**Pic. 8** Different machines of different building years inside our maintenance shop.

### The HUMMEL® as an example

All LÄGLER® machines are engineered so all components can be easily cleaned and maintained by the user. Wear parts can also be replaced by the contractor without any problems.

A HUMMEL® made by LÄGLER® has a designed lifespan of **30 years and more** with proper maintenance. The appropriate spare parts are always available.

Improvements have been and always will be considered wisely, before they are adopted to a new generation of machines. This ensures that older models can be retrofitted and new developments can be implemented.

### Promotion of the sustainability through maintenance and care

Also the regular operator of the machine has the ability to extend the lifespan of their equipment. This of course is in their own best interest. Regular maintenance and good care of the machine are the basic requirements to create a long and flawless working life of a HUMMEL®. Thus users have a responsibility to create high sustainability and environmental conservation.

Developing products with planned limited lifespan is the goal of many companies these days, but all of us at LÄGLER® question this view and work hard every day to promote sustainability. Many companies modify existing machines and apply a new design or change without taking into account all the original owners. This leaves too many machines orphaned without the possibility to update old machines. In addition most of these manufacturers provide spare parts rarely beyond the warranty period.

### Tips and Tricks

To protect your investment new wheels should be cleaned regularly. When sanding old or dirty floors use "old" wheels and save the new ones for fine sanding. This tip also works with old sanding drums.



**Pic. 9** Two sets of wheels (new + old) are helpful when sanding old dirty floors.

To read more about the HUMMEL® belt sander check out our website, click on the link-button below.

[Read more about the HUMMEL®](#)



## EXHIBITIONS / ANNOUNCEMENTS



St. Louis (Missouri - USA),  
28th April - 1st May 2015

### Happy Birthday NWFA!

This year the NWFA is celebrating its 30th birthday at the NWFA Expo from the 28th of April - 1st of May 2015 in St. Louis Missouri.

### Announcement

LÄGLER® is proud to introduce the **Premium Sanding Technology PST®** to the USA at this year's NWFA Expo, also seen in the April/May issue of Hardwood Floors magazine. In 2008 LÄGLER® introduced the **PST®** concept in Germany. The basic idea of the concept was to achieve a high quality surface in the least amount of time possible. The **PST®** concept can be adapted to any hardwood floor no matter the species or laying pattern you are facing.

After 7 years' experience and over 2000 companies from all over the world taking part in this one of a kind training, we are now extending our efforts to North America.

Check out our **booth #247** to learn more about **Premium Sanding Technology** and apply for a **PST®** at our training facility in Denver, Colorado.

We are looking forward to seeing you there.



LIGNA Hanover,  
11th - 15th May 2015

### LIGNA Hanover

Our staff will be available to answer any questions regarding sanding of wood flooring. Check out our booth Hall 15 #A06.

## DOMOTEX 2015 REVIEW

### Live demonstration of the IGEL milling drum

With over 1,300 exhibitors from 63 countries and 40,000 industry visitors DOMOTEX is one of the largest floor covering expos.

Our live demonstration of the LÄGLER® IGEL milling drum was one of the highlights for the attendees. During the demonstration the IGEL removed several mm of old finish on a previously prepared hardwood floor with ease. One pass with the IGEL milling drum can remove up to 3 mm of material.



Pic. 10 Demonstration of the IGEL at the LÄGLER® booth.