



## RENOVATION PROJECT AND NEW SANDING MANUAL



Pic. 1 The project in the homeowners magazine

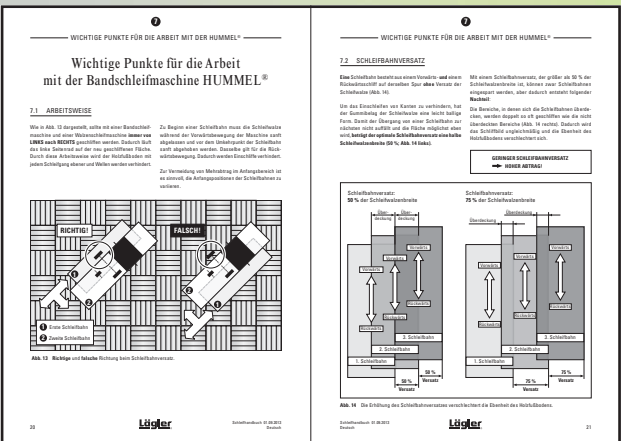
### New sanding manual

To help our contractors in a much more diversified market in the 21 st century, we have completely reworked the original sanding manual.

Currently the new sanding manual is only available in German. A downloadable version in English, French, Spanish, Italian, Polish and Russian will be available in spring. More about that on page 6.

### Renovation project

The topics of solid wood floors, color-treated surfaces, environmentally friendly finishes and sustainability are becoming more important to homeowners. This led to our discussion with Schwäbisch Hall, a company that's specialized in building loans. The loans are subsidized by the German government and may be used for either new homes or remodeling existing homes. They found a suitable project as a perfect example in an old building in Hamburg. In the article on page 2 you will find out more about renovating a floor with old white oak plank.



Pic. 2 Excerpts from the new sanding manual

# PROJECT WITH SCHWÄBISCH HALL

In their magazine „Wohnglück“ Schwäbisch Hall published the report. One and a half million issues went out to homeowners.



**Pic. 3** The report

## Goals

After re-sanding the old white oak plank, the floor had to be coated with white colored oil. For the sanding we used our PST® and adjusted the steps according to the job site requirements. For LÄGLER® the goal was to show homeowners the scope of design options that are possible on old floors.

With the proper choice of machines, concept and a well trained contractor anything is possible.

Report in the magazine

## Project, facts

- Old building in Hamburg with 300 sq ft of old white oak plank
- Re-sanding was necessary. No other major damage.
- Dirty old floor with dust and dirt ground in the soft grain.
- Many nails, since the floor had been face nailed.
- New wallpaper, doors and windows were already installed.

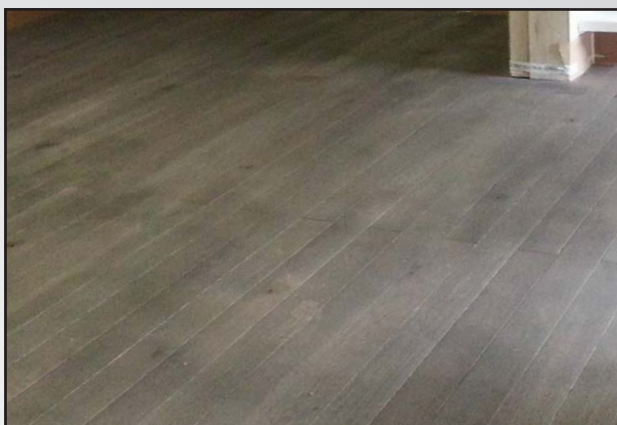


**Pic. 4** View of the building from the outside

## Starting point

Because the floor was covered by a thick layer of dust and dirt it was hard to see the actual condition of the oak floor underneath. So the first step was to remove the dust and smut to get a closer look onto the wood.

The result after a thorough inspection: Multiple wear patterns, no serious damage, water spots and a bunch of nails sticking out...



**Pic. 5** Old and spotty boards



## 1. Preparation

Damaged boards have to be either repaired or replaced. Since the floor was only dirty, no major repairs were necessary. The floor was prepared for sanding as follows:

### Preparation work

In order to sand as close to the edges as possible, the baseboards were removed.

Nails that stuck out were counter-sunk. Especially on face nailed floors, in order to avoid damage to your sanding belt and drum this process has to be done accurately.

#### FIRE HAZARD:

On renovation jobs there is an increased risk of sparks igniting your dust bag.



**Pic. 6** Removal of the baseboard



**Pic. 7** Countersinking nails

### Important:

Vacuum the entire surface and all the edges before each cut by using a powerful vacuum cleaner.

If you are following your grit sequence from rough to fine, chances are high to pick up loose grit from your rough cut with your finer grits. The result are scratches on the floor.

Grits and other debris usually settle around the edges and in any groove. Therefore vacuuming is an ongoing and important process.

### Necessary steps for sanding an old floor:

- If necessary, repair or replace damaged boards.
- Remove baseboard (if possible).
- Clean the entire floor
- Countersink nails or screws
- Vacuum the entire surface including the edges
- Recheck your floor
- Decide on your sanding concept according to the floor and the homeowners wishes.



**Pic. 8** **Very important:** always vacuum before each cut

## 2. The sanding



**Pic. 9** Rough sanding with HUMMEL®

### **HUMMEL® removes the dirt!**

We decided on 2 cuts with the HUMMEL®. First a 40 grit cut at a 15° angle to flatten the floor and remove dents and the smut. Followed by a 60 grit cut at 15° angle (crosscut).



**Pic. 10** After 2 cuts with HUMMEL®

### **FLIP® for seamless edging**

After each cut with either HUMMEL® or TRIO, the FLIP® was used with the same grit in order to blend the edges into the main floor.



**Pic. 11** FLIP® with the long attachment



**Pic. 12** Finishing with the TRIO

### **TRIO for a premium surface**

After the 60 grit cut with the HUMMEL® and FLIP®, the floor was checked and was now ready for the TRIO. The scratches from the 60 grit HUMMEL® were removed with 60, 80, 100 grit paper on the TRIO. The finishing cut was done with 100 grit screen to fit the requirements to use a modern white colored oil.

### 3. The result

#### Finally the part with the SINGLE

After the finishing cut with a 100 grit screen on the TRIO, the whole floor was vacuumed one last time. The natural oil with white pigment was applied with a stainless steel trowel.

The SINGLE with a maroon pad was used to massage the oil in and polish the floor.



**Pic. 13** Coating with white oil



**Pic. 14** Finishing with SINGLE and maroon pad

#### Result

Choosing the proper sequence according to PST®, good machines and a well trained contractor led to a beautiful floor.

Oil with pigments require a very good sanding job. The darker the color, the better the sanding has to be. TRIO with a 100 grit screen was more than good enough for this floor because the unsurpassed sanding of the TRIO.

#### Conclusion

Together with our partner Schwäbisch Hall we were pleased with the result. The report in the magazine shows the main ingredients for this kind of project.

Qualified contractor, great machines and the intelligent use of PST® works on every floor.

PST® is adjustable to any floor.

Learn more about PST® and schedule our seminars. They are held in German, English, Spanish, Italian, French, Polish and Russian. Check out our homepage.

**LÄGLER® Seminars**



**Pic. 15** The result



# THE NEW SANDING MANUAL



Pic. 16 The new sanding manual

## Updated content

In the new sanding manual we included all of our recent test results as well as the experience and input from our customers from more than 1500 seminars.

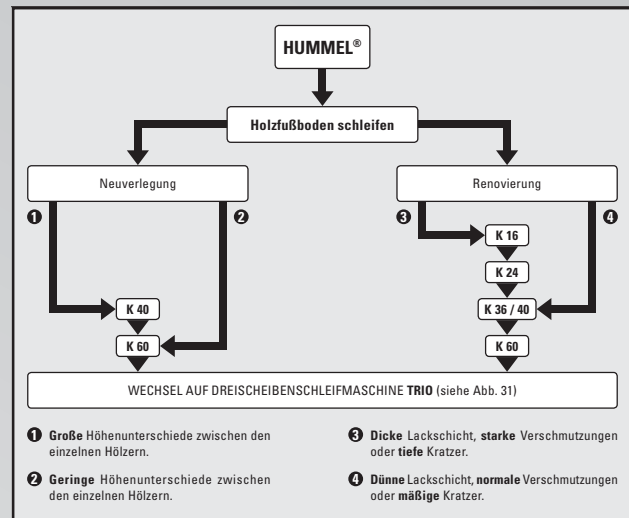
## Important improvements

- Sanding according to PST®
- Structure of modern sanding materials
- New easy to follow flowcharts
- More about subfloor preparation and finishing
- New and additional flowcharts

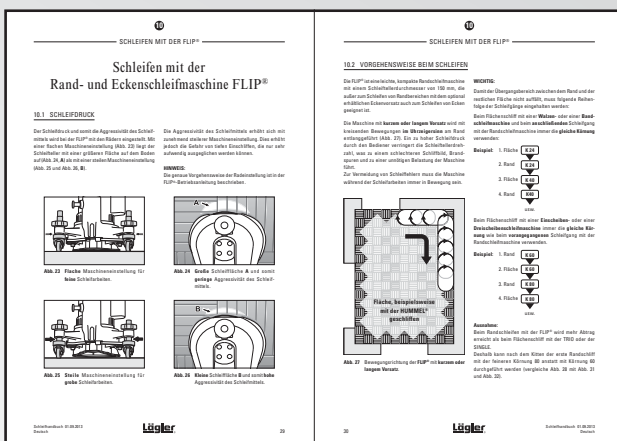
## New flowcharts

We reworked the flowcharts according to our current machine program, including feedback from our customers.

The charts are much easier to comprehend and now include the basics of the PST®.



Pic. 17 More comprehensive flowcharts



Pic. 18 New flowcharts

## More content

The new sanding manual starts with the subfloor treatment and ends with the maintenance of hardwood floors.

Printed versions in German and English (February 2014) are available for a small contribution that is invested in education.

Log into our download section for a free version.



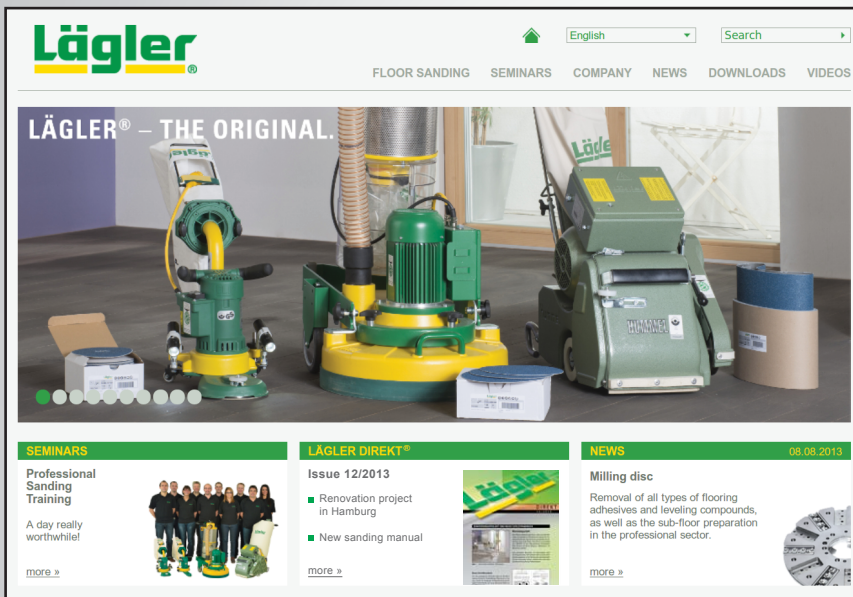
## NEW HOMEPAGE!

### We remodeled our homepage

Not just hardwood floors can be renovated, hompages too.

New look and more content.

Soon there will be more languages available with current information and news.



Pic. 19 New LÄGLER® homepage

### Changes

Improved navigation of the homepage.

Direct access to all content from the front page.

More info about the LÄGLER® homepage in the next DIREKTs



## EXHIBITIONS 2014

### DOMOTEX 2014 in Hanover

**DOMOTEX** from January 11th – 14th 2014 in Hanover. The worlds biggest exhibition for floor coverings, machines, tools, coating and cleaning products.

Halls 7, 8 and 9 are the most interesting ones for flooring contractors. Visit us in our **booth B43/1 in hall 7**.



Hanover

Jan. 11-14 2014

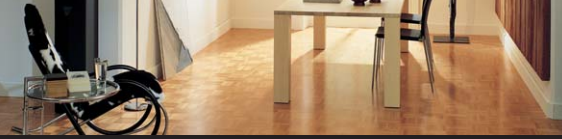
Hall 7, booth #B43/1

### NWFA Wood Flooring Expo in Nashville / Tennessee

The most important meeting of the flooring industry in the USA with visitors from all around the world. From April 16th-19th there will be an exhibition, training sessions and meeting of other contractors all in one place.

LÄGLER® will be there with our longtime partner Palo Duro Hardwoods.





## GOODBYE AND ALL THE BEST MISTER GÖRTZ



Pic. 20 Wolfgang Görtz

### Half a life for the company

On the 1st of april 1980 Wolfgang Görtz joined our company. Soon he became one of the pillars of our worldwide success. Together with the founders Eugen and Gerda Lägler he worked in all areas.

Mister Görtz was head of sales international and pushed the company to new limits.

At the age of 66 after 33 years at LÄGLER® he starts his well-earned retirement.

At the age of 66, life just starts ...



Pic. 21 All the best from the gang

### Good Bye

Everybody at LÄGLER® wishes you all the best and a nice retirement.

We will always welcome you in your old home.

## MERRY CHRISTMAS!

### The new year is just around the corner

We thank you for your trust and your business in 2013. We are looking forward to see you in 2014.

We wish you and your families a Merry Christmas, a happy new year and good health, lots of success and luck.

### Karl Lägler with family and staff

### Donation to Amnesty International

This year we support **Amnesty International** with a donation.



[www.laegler.com](http://www.laegler.com)

We are closed from  
December 21<sup>st</sup> 2013 to  
January 6<sup>th</sup> 2014