

STEINEMANN UPGRADES



***steinemann***

# Modifications to wide belt sanding machines

**Has your sanding machine seen better days? Bring it up to date with the latest sanding technology! Original Steinemann Retrofits can significantly boost the productivity of your existing sanding machine.**

Our in-house experts will be happy to advise you about the available modernization options for your sanding machine pool.

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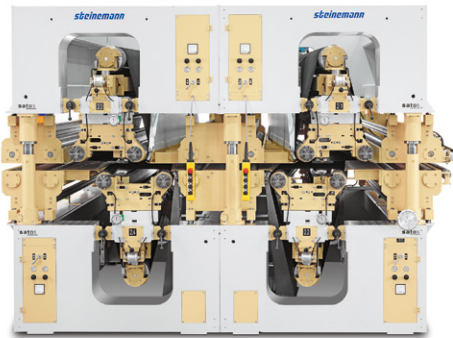
# Control Upgrade (CUS)

**CUS control upgrade to modernize the installed base. The result: Guaranteed service availability and 'up-to-date' for automation.**

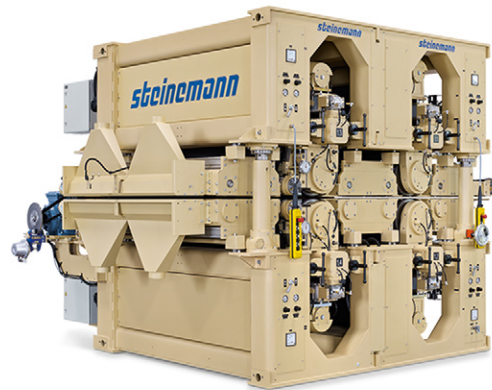
## Benefits

- Higher machine availability
- Latest Siemens control generation
- Increased productivity with sequential auto-start for all machine heads
- User-friendly machine operation with comfort functions

## Machine type compatibility



Satos with Siemens control



NOVA-H with Siemens control

## Scope of supply

- Control software, based on TSQ model
- Siemens CPU S7-1517F
- 22" Siemens Touch Panel

**In just 48 hours,**  
we give your machine  
the ultimate refresh  
in terms of operation  
and functionality!

## V-belt upgrade

**This retrofit replaces the flat drive belt on the sanding belt drive with a V-belt.**

### Benefits

Higher availability, since the drive belts no longer slip off even in the presence of sudden excess loads. Replacing the flat drive belt also simplifies resetting work after repairs and maintenance.

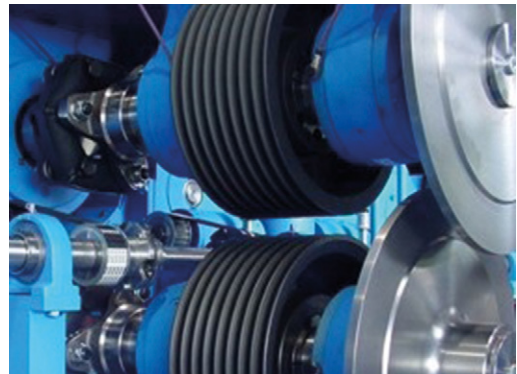
### Suitable for

- Nova
- Nova-S
- Nova-RS
- Nova-RSA

### Package contents

- V-belt pulleys/V-belt
- Taper lock
- New motor attachment
- Layshaft is partially assembled and supplied as follows: shaft, spacers, inner bearing cover, self-aligning roller bearing, V-belt pulley

**Please note:** Bearing housing, outer bearing cover, brake disc and clutch half are reused from the existing layshaft





# Guide roller upgrade

**The existing guide rollers with a diameter of 125 mm are replaced by guide rollers with a diameter of 145 mm.**

## Benefits

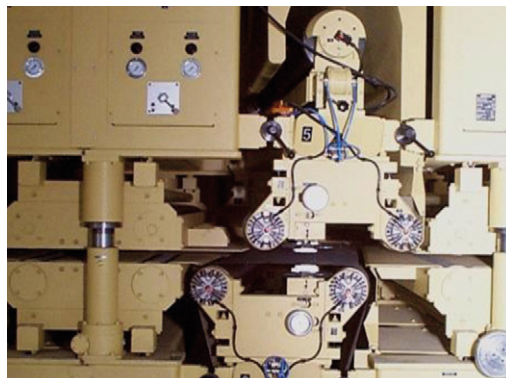
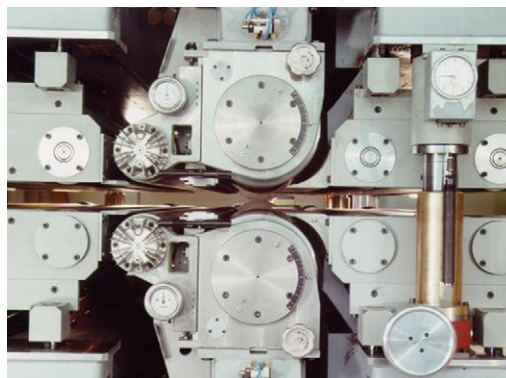
With the new bearing arrangement and the larger roller diameter, rotational speeds are lowered, which resolves mechanical problems. These lower speeds protect the bearings and therefore prolong their service life. Running costs are reduced thanks to the smooth and uniform sanding belt run.

## Suitable for

- Nova - S
- Nova - RS

## Package contents

- Guide roller (diameter 145 mm) with preassembled bearing arrangement
- Bearing housing
- Guide tongue



# Feed roll drive upgrade

**Conversion work involves removing the the countershaft drive and replacing it with a continuous layshaft with a flexible clutch. In addition, the worm gears are mounted at the top with the worm shaft.**

## Benefits

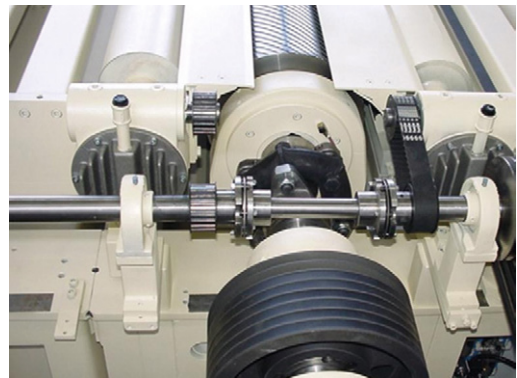
Elimination of the countershaft saves both repair time and replacement parts. Installing the worm gear with the shaft at the top avoids the potential for oil leaks to occur at the shaft seal.

## Suitable for

- Nova
- Nova-S
- Nova-RS
- Nova-RSA

## Package contents

- Layshaft
- Flexible clutches
- Seal kit
- Pillow block
- Sprockets
- Toothed belt (incl. small parts)





# Photo cell upgrade

**The pneumatic sanding belt control is replaced with a sensor-based and dust-proof photo cell.**

## Benefits

Operating costs are reduced, with 50% savings being achievable in terms of total compressed air consumption. The use of optical sensors avoids all contact between parts, meaning that occasional pneumatic faults due to pressure changes or soiling can be avoided. Conversion to modern optical sensors reduces the need for maintenance and is easier to monitor, because all parts are located on the operating side.

## Suitable for

- Nova
- Nova-S
- Nova-RS
- Nova-RSA

## Package contents

- Sensors
- Valves
- Support bracket
- External control
- Installation materials

