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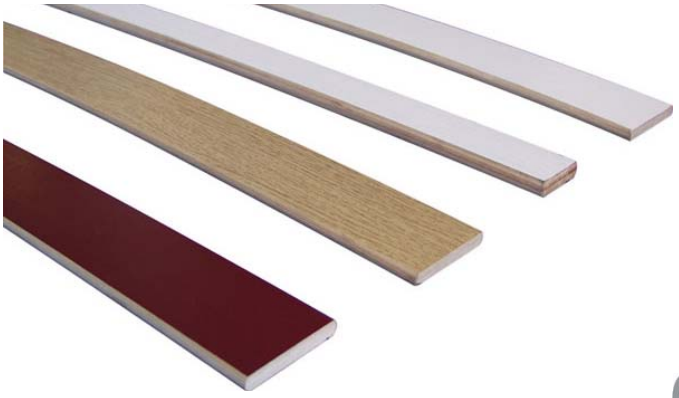

Different variants of bed slats

Saw shafts of the ‘K34G-OUR’ fitted with profiling tools

Two In One Go

There have been multirip saws for a long time already. The company Paul Maschinenfabrik from Dürmentingen has already developed special machines for customers on the basis of their standard multirip saws very often, such as a double-shaft multirip saw for ripping and at the same time profiling bent plywood panels to bed slats. Thanks to synchronized processing, this modified multirip saw model ‘K34G-OUR’ offers an increase in efficiency. Numerous technical further developments account for a high accuracy of the profile geometry, an excellent cutting quality and a more comfortable operation of the machine.

The ‘K34G-OUR’ has been specifically developed for ripping bent laminated wood panels to bed slats and at the same time profiling the edges of the strips. This machine technology helps to save several processing steps. Compared with the conventional production of bed slats using a multirip saw and a milling machine, one can achieve an increase of performance of at least 150 bed slats per minute by using a ‘K34G-OUR’. You will then only need one machine from this model series. The new multirip saw stands out by precision and an excellent cutting quality.

The sawing technology

Due to the curved arrangement of the now 18 feed rollers it is possible to process bent panels with a bending radius of about 3–9 metres to bed slats. The increased number of feed rollers ensures an optimal guidance of the workpieces. The wear-free feed drive operates with cardan shafts. The suction of splinters, particularly at the top saw shaft, has been further optimized according to air flow principles.

Ease of operation and adjustment

The new ‘K34G-OUR’ is cutting against the feed using a top and a bottom saw shaft. Special profiling tools are set up on both shafts. Besides, there is a very stable aluminium saw table for the bottom saw shaft. This saw table is precisely adjustable and capable of being slid in. The hold-down device is also made of aluminium and it is run on guides. In addition, the hold-down device and the saw table are now fitted with a wear-resistant ceramic surface coating. The saw shafts can be precisely positioned by means of digital cutting height indicators. The alignment of the tools of the bottom saw shaft to those of the top saw shaft is made by an axial displacement of the bottom main bearing rocker. The height of the top rollers can be adjusted very easily by means of two hydraulic cylinders. The machine can either be fed manually or in a fully automatic way.