

Title (en)

Method and apparatus for edge grinding of vertically stacked plate items

Title (de)

Verfahren und Vorrichtung zum Kantenschleifen von aufrecht gestapelten Flachgegenständen

Title (fr)

Procédé et dispositif pour le meulage des bords de produits plats empilés verticalement

Publication

EP 1195227 A2 20020410 (EN)

Application

EP 01123493 A 20010928

Priority

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Abstract (en)

There are disclosed a method and an apparatus for edge grinding of plate items in a vertical stack, e.g. laminboards, where a grinding apparatus is used, comprising a number of vertical shafts for a number of abrasive rollers (2,4) forming vertical grinding cylinders with a length adapted to the height of the stacks of items and which are driven by each their drive motor so that the grinding cylinders may be rotated in each their direction of rotation, which grinding cylinders are suspended in a turning ring by a trolley which is displaceable in the transverse direction relative to a support beam displaceable along a rollerpath for the stacks of items and a fixation device for the stacks of items arranged along the rollerpath, and where there is used a computerised, combined electronic and pneumatic control system, where that the programming of the control computer occurs manually by moving a registering wheel for the respective grinding cylinders along the external edges of the item stacks so that the grinding cylinders of the grinding apparatus subsequently automatically may perform the desired edge grinding, as suitable means for regulating pressure controlled pressing of the grinding cylinders against the outer edges of the stacks of items are used. In a simple way it hereby becomes possible to mechanise the work connected with edge grinding of stacks of plate items of any shape, including laminboards with concave sections, and implying bad working environment. <IMAGE>

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