

Title (en)

Timber working unit

Title (de)

Abbundanlage zum Bearbeiten von Kanthölzern

Title (fr)

Machine-outil pour l'usinage de bois de construction

Publication

EP 1403015 A2 20040331 (EN)

Application

EP 03396088 A 20030923

Priority

FI U20020387 U 20020924

Abstract (en)

The invention relates to a timber working unit for machining crib grooves in the log and for cutting the log to size, the unit comprising at least two device frames (1, 2) disposed at a distance from each other, the distance between which can be adjusted. The device frame (1) comprises a cutting tool (3) for cutting the log to be worked and a milling tool (4) for machining a crib groove in the log to be worked (5), as well as a conveyor chain (6) with its support arrangements for conveying the log to be worked in the crosswise direction through the manufacturing phases of the device frames. According to the invention, the support arrangements include in the conveyor chain (6) a rigid pusher stop (7) for conveying the log to be worked (5) along with the motion of the conveyor chain; in the machining area of the cutting tool (3) and milling tool (4), a lower support (8) supporting the log; as well as in the machining area of the cutting tool and milling tool, a tightening element (9) provided with elasticity, pressing the log against the lower support. In addition, the machining directions of the cutting tool and milling tool are arranged to press the log to be worked against a space which is open forwards in the direction of motion of the log and defined by the lower support, pusher stop and tightening element.

The unit has support arrangements with conveyor chain having a rigid pusher stop that conveys a log (5) to be worked along with motion of the chain. A tightening unit (9) presses the log against a lower support. Machining direction of cutting and milling tools (3, 4) are arranged to press the log against a space that is open forward in a direction of motion of the log and defined by the support, stop and tightening unit. The lower support supports the log in a machining area of cutting and milling tools.

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