

Title (en)  
INSTALLATION FOR THE MANUFACTURE OF SHOE INSERTS

Title (de)  
ANLAGE ZUR HERSTELLUNG VON EINLAGEN IN SCHUHE

Title (fr)  
INSTALLATION POUR LA PRODUCTION DE SUPPORTS ORTHOPEDIQUES POUR CHAUSSURES

Publication  
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Application  
**EP 96930942 A 19960927**

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Abstract (en)  
[origin: WO9711619A1] The invention concerns an installation for the largely automatic manufacture of orthopaedic shoe inserts, the installation comprising a device for measuring the sole of the foot, a device for producing the inserts using the results of the measurement and a data-processing unit which takes the measurement results, and processes them, e.g. by smoothing them, if necessary and converts them into control data for the insert-production device. The measurement device scans the sole of the foot essentially line by line, thus establishing the topography of the sole in the form of vertical slices. To this end, one or more electro-mechanical sensors (13) travel in the longitudinal direction over the sole, following its vertical profile. The motion of the sensors (13) is converted by linear potentiometers (25) into electrical signals. The insert-production device has a machining head, e.g. a milling cutter, which is moved in a spiral over the insert blank. The cutter height-control data is determined largely automatically from the sole-measurement results by the data-processing unit.

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