

Title (en)  
WORKING GROUP WITH ADJUSTABLE COPIER

Title (de)  
ARBEITSGRUPPE MIT VERSTELLBAREM KOPIERER

Title (fr)  
GROUPE DE TRAVAIL AVEC COPIEUR RÉGLABLE

Publication  
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Application  
**EP 23158724 A 20230227**

Priority  
IT 202200004331 A 20220308

Abstract (en)  
The present invention relates to a working unit for machining at least one piece (P), said machining group comprising: a rotary tool (41) rotating around a first rotation axis and configured to perform at least one machining on at least one piece (P); a copier (1, 20, 40) arranged in correspondence with said rotary tool (41) and capable of resting on at least one face of said at least one piece (P) to guide said rotary tool (41) with respect to said at least one piece (P). Said copier (1, 20, 40) comprises: a first support (2, 21, 42); a second support (5; 26, 30, 34; 48) axially movable with respect to said first support (2, 21, 42) along a predetermined direction; and an annular element (14, 31, 47) rotatable with respect to said first support (2, 21, 42) around a second rotation axis (A, B, C) parallel to said predetermined direction, wherein said annular element (14, 31, 47) is radially elastically deformable with respect to said second axis of rotation (A, B, C) and comprises a first end portion (14b, 31b, 47a) axially engaged, according to said second axis of rotation (A, B, C), to said first support (2, 21, 42) and a second end portion (14a, 31a, 47b) axially engaged, according to said second axis of rotation (A, B, C), to said second support (5; 26, 30, 34; 48), so that an axial displacement of said second support (5; 26, 30, 34; 48) towards said first support (2, 21, 42) is followed by a reduction of the axial dimensions of said annular element (14, 31, 47) and a radial expansion of said annular element (14, 31, 47), and in such a way that an axial displacement of said second support (5; 26, 30, 34; 48) in the opposite direction with respect to said first support (2, 21, 42) follows an expansion of the axial size of said annular element (14, 31, 47) and a reduction of the radial size of said annular element (14, 31, 47).

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