

ABSTRACT

Support device for supporting a tube on a tube working machine, particularly a laser tube cutting machine, and tube working machine comprising such a support device

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The support device (20) comprises: a pivoting arm (22) arranged to be rotatably supported at an end thereof by a base (12) of the machine (10) for rotation about a first axis of rotation (y1) oriented transversely to the direction of the longitudinal axis (x) of the tube (T); a cylindrical roller (24) mounted at the opposite end of the pivoting arm (22) with its
10 axis oriented parallel to the first axis of rotation (y1); a variable-profile support member (26) rotatably mounted at the free end of the pivoting arm (22) for rotation about a second axis of rotation (y2) parallel to the first axis of rotation (y1); a first driving system (28, 36, 38) arranged to control the angular position of the pivoting arm (22) about the first axis of rotation (y1); and a second driving system (42, 44, 46, 48, 50) arranged to control the
15 angular position of the support member (26) about the second axis of rotation (y2).

(Figure 2)