

Title (en)  
WINDING MACHINE

Title (de)  
AUFSPULMASCHINE

Title (fr)  
BOBINEUSE

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Abstract (en)  
[origin: WO2018134048A1] The invention relates to a winding machine for winding multiple threads into coils, comprising multiple winding locations (1.1 - 1.4). The winding locations (1.1 - 1.4) are arranged next to one another along at least one winding spindle (6.1) which is held in an overhanging manner. A top thread guide (3.1 - 3.4) is arranged upstream of each winding location in the thread course. At least one godet (11) which is arranged laterally next to the winding locations (1.1 - 1.4) is paired with the top thread guides (3.1 - 3.4), said godet being oriented transversely to the winding spindle (6.1). In order to thread the threads into the top thread guides (3.1 - 3.4) during a process start, an auxiliary device (14) is provided comprising a thread-in guide (16) with multiple guide grooves (16.1 - 16.4) formed next to one another. The thread-in guide (16) is guided along the top thread guides (3.1 - 3.4) in a guide track (17) by a drive means (19), said guide track having at least one feed track (17.1) and a return track (17.2). In order to achieve a reliably guidance of the thread-in guide (16), the feed track (17.1) is arranged above the top thread guides (3.1 - 3.4) and the return track (17.2) is arranged below the top thread guides (3.1 - 3.4) on a vertically aligned guide plane (22) of the thread-in guide according to the invention, wherein an angle ranging from 1° to 15° is formed between the guide plane (22) of the thread-in guide (16) and an alignment line of the top thread guides (3.1 - 3.4).

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