

ABSTRACT

Machine intended to hold the wheels of vehicles.

5 It enables mounting and holding the wheels on vehicles that travel
on the conveyor of the assembly line in a completely automated manner,
without the intervention of human operators.

10 It has a wheel supply bed (1) equipped with a positioning element (23)
that centers the wheel and lifts it to be taken by a supporting arm (2) that moves
it to a rotating plate (3) associated to a screw feeding device (4) that inserts
them on the rim aided by an optical detector. The supporting arm (6) of a mobile
bed (5) contiguous to the first element bears a multiple screw driver (7) that
positions itself on the screws and tilts the whole set 90° to present the wheel in
front of the vehicle's hub to be able to finally insert the wheel.