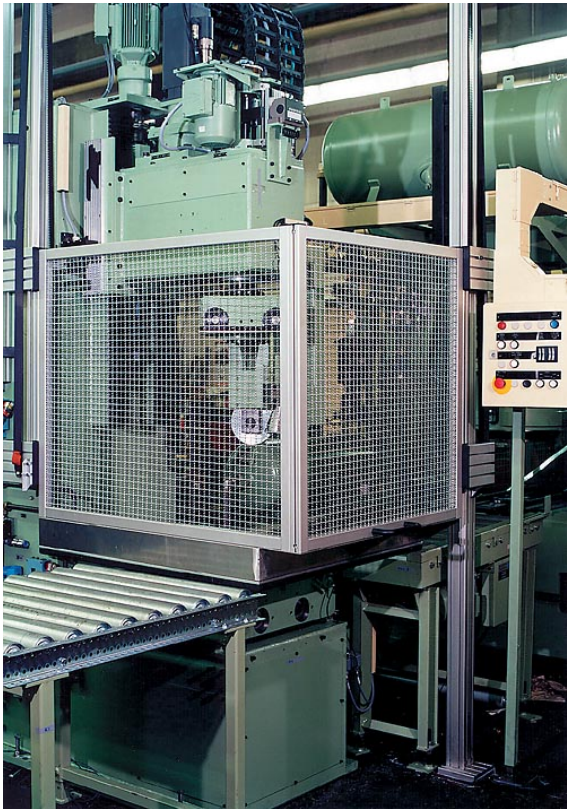


130 RBER, 130 SBER Assembly Machines



- Gentle mounting, also with low-profile tires
- Automatic sequence
- Optional integration with production lines

Range of application

Automatic mounting of tubeless passenger-vehicle tires in normal, low-profile or super low-profile form onto steel, or aluminum rims of various dimensions.

Application of the machines in mid-volume production. Linking of the machine with suitably arranged lubrication and lay-on station (130 SBER), as well as succeeding tire inflation and wheel balancing machine is possible.

Loading and unloading either manually or by an optional transfer system.

Design

Single-station machine with fully automatic cycle, loading and unloading either manually or by transfer equipment. The welded machine housing contains the rim centering and clamping device, single-arm draw-down head with bead folder and hold-down roller, drive combination for rotation and lifting, tire-pusher and pressure pad.

Automatic adjustment of the mounting head to suit the various tire widths and manual change over of the rim diameter. Fully automatic change over is optional.

130 RBER, 130 SBER Assembly Machines



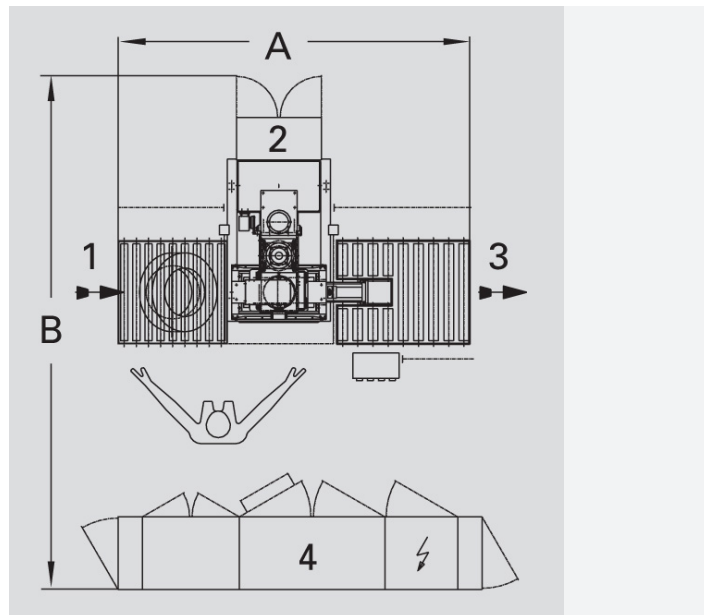
This assembly head provides diameter adjustment in steps. The change over to another rim diameter can be done manually by push-button or fully automatically by a type identification system.



The tire mounting procedure takes only a few seconds. The heart of the system is the non-contacting draw-down head that prevents damage to the rim and especially the edge. Mounting of the two tire beads is selectively done either both at the same time, or one bead at a time in two revolutions. The machine can be changed over easily and in a short time and therefore a large tire-diameter range of steel and alloy rims can be handled. In the basic version the machine is installed between two feed conveyors and manually loaded. The rims and tires are manually supplied in sets according to the manufacturing orders. If a new type of tire is to be processed, only the draw-down head has to be adapted to the new rim diameter. Automatic change over is optional.



Automatic transport of the tire within the system through a turn-and-lift conveyor. The complete cycle then runs automatically. All the operator has to do is load lubricated tires and rims.



1 Wheel feed 2 Fitting station 3 Wheel outlet 4 Switch cabinet

Plan view (non-binding example of 130 RBER: dimensions of the switch cabinet depend on the relevant application)

130 RBER, 130 SBER Assembly Machines

Technical data at a glance		130 RBER	130 SBER	131 SBER
Integrated transport		•	•	
Complete wheel				
Weight, max.	[kg]	40	40	40
Total width	[mm]	120 - 300	120 - 350	120 - 350
Outside diameter, tire	[mm]	550 - 750	560 - 900	560 - 900
Diameter, rim	[Zoll]	13 - 15	13 - 18	14 - 19 / 15 - 20
Bead width	[Zoll]	3,5 - 6,0	3,0 - 12,0	3,0 - 12,0
Machine				
Width A	[mm]	4100	5100	5100
Depth B	[mm]	3500	3500	3500
Height C	[mm]	3300	3300	3300
Separate mounting of beads			•	•
Cycle time	[s]	16 - 18	12 - 15	12 - 15
Production	[St./h]	200 - 225	240 - 300	240 - 300
Air pressure	[kPa]	600	600	600
Air consumption	[m3/h]	25	25	25
Power consumption	[kVA]	15	30	30
	Order No.	R0570100.01	R0570300.01	R0570400.01
	Order No.	o.r.	o.r.	-
Barcode reader	Order No.	-	R0570302.01	R0570402.01
Wheel turner	Order No.	R0570103.01	R0570303.01	R0570403.01
Conveying equipment	Order No.	o.r.	o.r.	o.r.

2) Data non-binding, depends on the respective equipment supplied

3) Transfer of tire and wheel data to the line

4) Required for a deep drop base

o.r. On request