

Autorobot[®] B15

LIFT/STRAIGHTENING BENCH



**Technology
from FINLAND**

Autorobot® B15

Saving of time in lifting and straightening

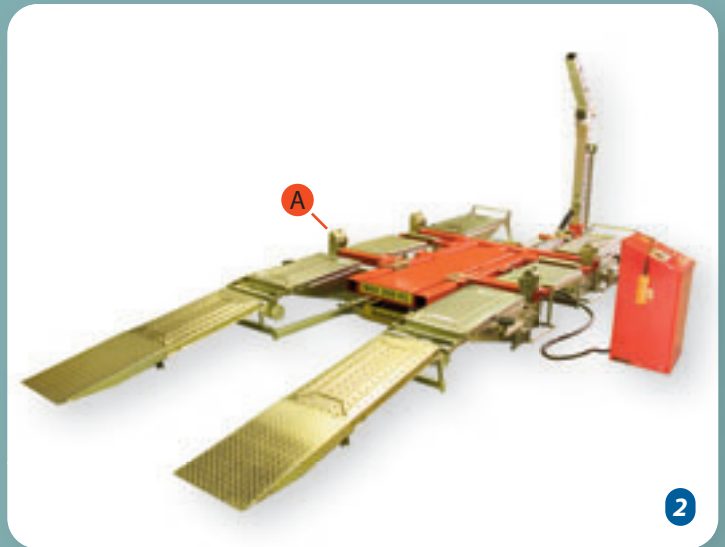
Autorobot B15 is a patented lift/straightening bench combination designed to meet the various demands of the body shop.

The full length, 10 ton pulling power straightening bench provides a great productivity in both small and demanding straightening work of new car body structures. Autorobot B15 achieves a very wide operational range with its patented drive-on ramp solution that helps it to work as a lift in various jobs like damage analysis, straightening, measuring and disassembly installation of vehicle parts.

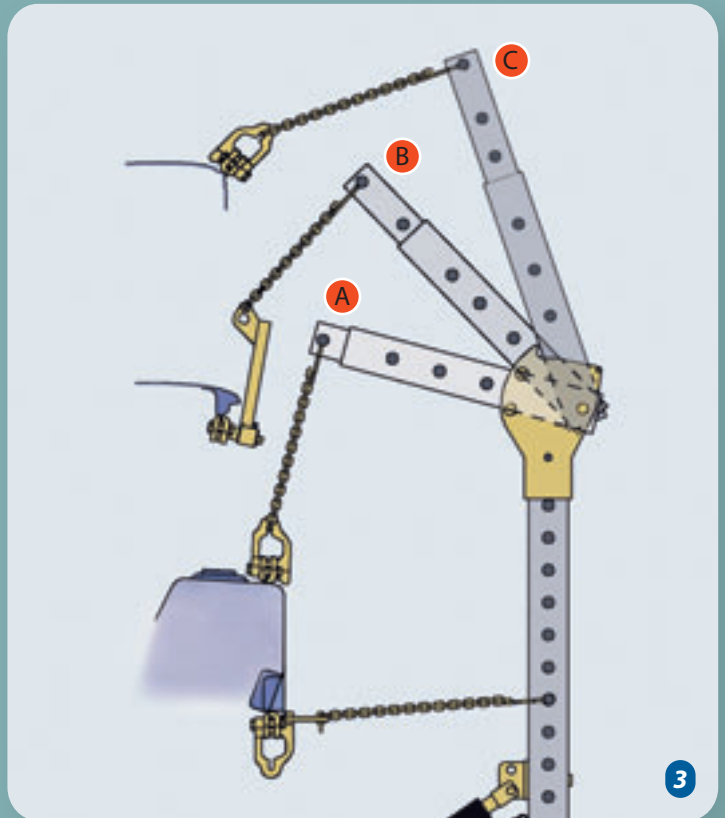


Great productivity is guaranteed by patented vehicle mounting system, where the vehicle can be lowered onto the sill clamps by using B15 lifting hydraulics. The minimal mounting time of the vehicle allows the use of B15 also in straightening of small damages that many body shops deal a lot.

Autorobot B15 functions with a remote control, which speeds up the straightening of passenger cars, vans and SUVs and also increases working facility. Autorobot's mechanical and electronic measuring systems are compatible with B15.



Autorobot B15 comes with long drive-on ramps, which makes it easier to bring the vehicle onto the bench. By using quick sill clamps (A), the vehicle mounting time is minimized making it the fastest in the market.



Versatile, patented pulling tower makes quick work of straightening. Adjusting the correct pulling angle takes seconds. Straight upward pulls are easy thanks to the telescopic upper beam which can be set in three positions (A, B, C).

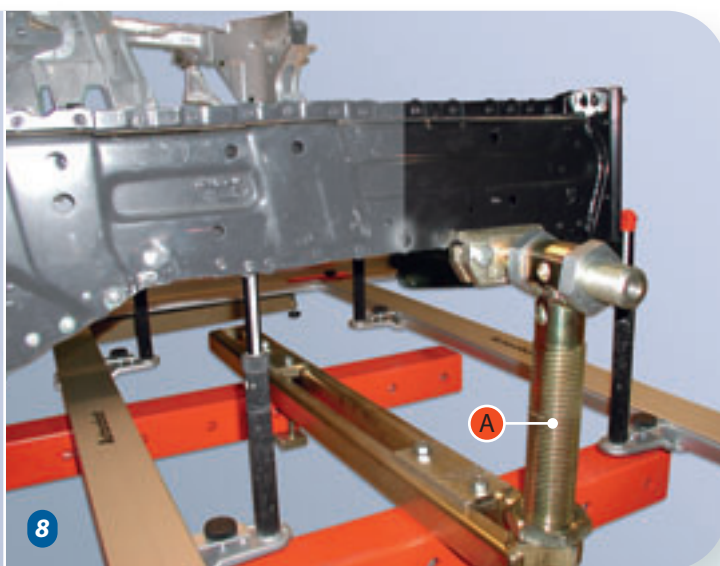
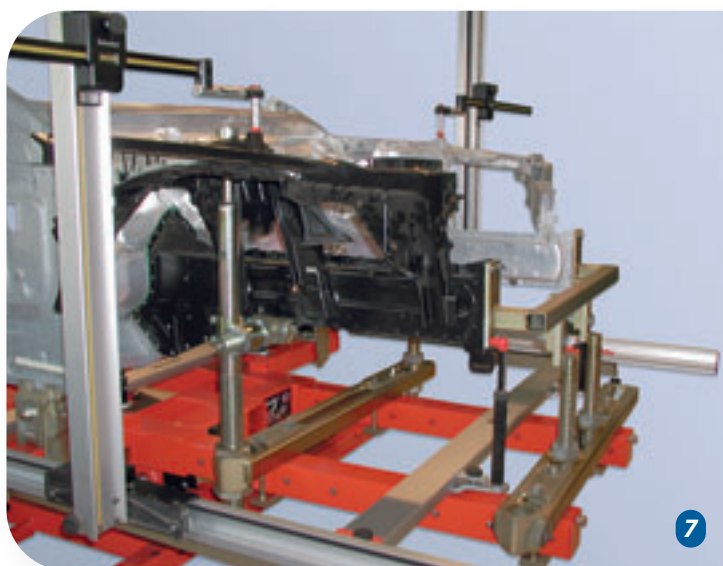
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Equipped with a pull force of 10 ton, Autorobot B15 is also suitable for demanding straightening work. The turning radius of the straightening tower is 200° and the use of the quick lock makes the turning of the tower to the other side of the vehicle extremely fast.



Autorobot B15 uses XLS straightening modules, which have been well recognized in the car body straightening industry. All Autorobot measuring systems and support sets also work with B15 bench.

For vehicle chassis and body measuring, there is for example a modern and wireless WLAN connection based EzCalipre available providing the measuring data before and after repair. The picture shows the symmetry measuring of the wheel angle between the right and left side.



All new parts can be correctly positioned on the front of the car with the multi-purpose support/jig system. 3D measuring system ensures top-quality results.

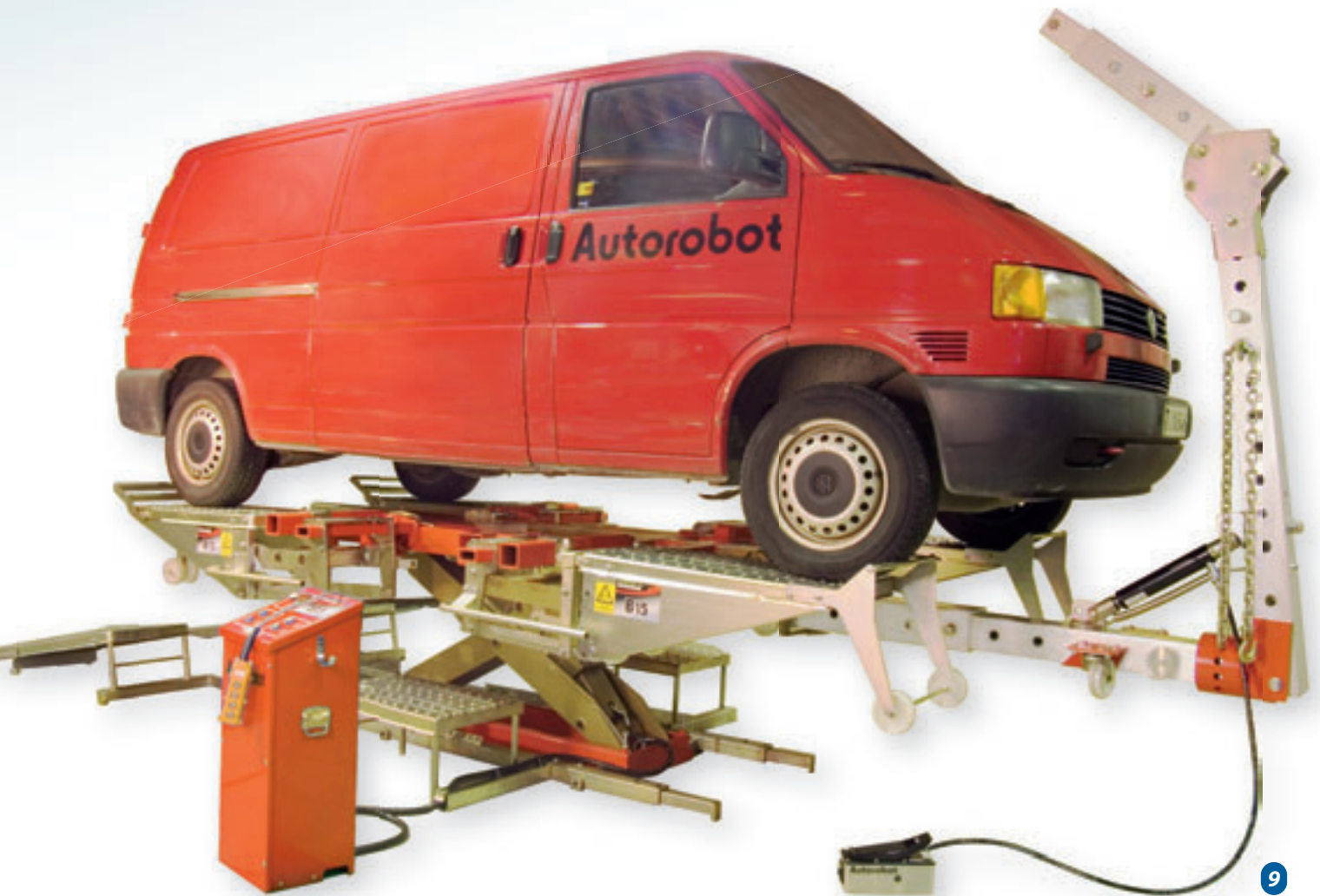
The support/jig system (A) will hold a new part in its correct position as the vehicle is pulled to it. Shown here, the new frame end is held in place during straightening and after, for welding.

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Use as a lift

When using Autorobot B15, the saving in time is remarkable, as all jobs can be done in the same bench. B15 is equipped with versatile lifting features: lifting on wheels and on lift pads, leaving the wheels hanging free. This makes Autorobot B15 the most productive multipurpose bench for the body shop.

The versatility of B15 means better productivity for the body shop, when almost all jobs in the straightening process, except painting, can be done without moving the vehicle from one place to another and there is no need to get a separate lift.



Autorobot B15 is equipped with electric hydraulics controlled from the control desk or remote control panel.



10



11



12

Autorobot B15 performs perfectly in numerous jobs in the body shop. (pictures 10 and 11). Disassembling vehicle parts in good working position.

Picture 12: Installing new ball joint by using B15 lift/lowering technique.

Technical features:

- Lifting height 1.5 m / 4.92 ft
- Lifting time 31 s
- Lift capacity 3000 kg / 6600 lb
- Electric hydraulics
- Remote control with cable
- 380 V + air pressure
- Leaves one, two, three or all four wheels hanging free for brake etc. repairs. Pull tower stays attached to the bench during vehicle mounting/detaching

Patented.

B15 has major role in the following body shop works:

- Damage analysis (with Autorobot EzCalipre)
- Disassembling vehicle parts before straightening
- Straightening small and large damage, 10 t power (assisted by Autorobot EzCalipre)
- Assembling work after painting
- Other normal repair jobs just as with any car post lifts
- Lifting vehicles on wheels like with any drive-on car lift
- Lifting vehicles on lift pads under the car frame (leaving wheels hanging free)

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Picture features B15 A set. Also other combinations available.

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