Save fuels, tyres & much more...

With Premium technology and tools for commercial vehicles

Reduce CO₂ emission!
Josam AB, Sweden is the global expertise in commercial vehicles wheel alignment & collision repair systems with 40 years experience. We have wide range of wheel alignment solution from manual, laser based and now with camera technology along with their correction tools.

- More than 70% of the medium & Heavy commercial vehicle’s axles are misaligned
- 1 mm toe difference reduces the tyre life by 7%
- Running cost of vehicle like the tyre & fuel costs are directly dependent on wheel alignment
- Proper alignment increases the tyre mileage by 15% – 50%
- Proper alignment decreases the fuel consumption by 2% – 20%

**CV-Aligner : With Camera Technology**

The revolutionary new Compact Commercial Vehicle wheel alignment system with PATENTED camera technology maintaining chassis centerline as a reference for trucks, buses, workshops, tyre service centers, to offer quick and accurate measurement.

- Wheel angles which can be easily measured
- Toe, steering box position, camber, out of square, parallelism and axle offset
- Caster, KPI, Toe Out On Turns and max turn.
- No moving parts, in the system compact, easy to use
- Suitable for mobile and workshop application.

**Cam Aligner : Camera System With Frame Measurement**

The JOSAM cam-aligner wheel alignment system uses the centerline principle to determine the position of axles and individual wheels in relation to the centerline of the vehicle. The system is designed to measure commercial vehicles such as trucks, trailers, buses and light commercial vehicles. Thanks to the scalability of the system it is also possible to obtain functions for:

- ACC (Adaptive Cruise Control) alignment
- Frame check
- Quick diagnose

**Truckaligner 180 : Laser Technology With Target On Vehicle**

Faster wheel alignment for mobile alignment vans and better flow of workshop.

- Faster alignment system with automatic run-out compensation, thus eliminates the run-out timings
- Rolling the vehicle for half a turn of wheel compensates the run-out, i.e. jacking is not mandatory
- Compact system – best suitable for mobile alignment centre application and workshops

**I-Track : Laser Technology With Target On Floor**

Wheel alignment system for speed and precision.

- No mountings on the chassis frame thus reduces the operators effort
- Suitable for all configuration of vehicle likely SUV, LCV, MCV, HCV etc.
- Gives the flexibility of correction on any axle
- Fastest wheel alignment measurement system in the market with Bluetooth connectivity
- Slashes the measurement time by 60% from any other systems
- Suitable for end of line production as well as after market applications where number of vehicles to be measured is more and time cycle is short.
PLAY DETECTORS

Accurate measuring system for wheels, axles and frames
- Play in the bushes & joints to be corrected to get the best alignment results
- First-rate and versatile equipment is required to determine wear and tear on wheel suspension and steering systems
- Design of the plates permits circular movement which can detect any play in both axial and radial directions
- Are simple to install and are secured in place by three expansion shell bolts & can be installed either directly on the floor or over the service

AXLE CORRECTION TOOLS

- Simple & effective tool for correcting axle bends like camber and toe correction.
- Axles can be corrected by cold method and many a times heat through Induction heater is required to simplify the work.

INDUCTION HEATER

Conventional methods like gas heating is not acceptable by many manufacturers as the physical properties of the metal to be heated will change besides most of the parts to be dismounted from the body. JOSAM Induction heater of various sizes depending upon the application can be used which is safe, localized and controlled heating in fraction of seconds.
- JH400 for sheet metal straightening and loosening of nuts up to M24, pins, or clamping rings.
- JH1000 for heavier machine parts like bolts and nuts, bushings, bearings and smaller chassis
- JH1300 for straightening of chassis, and coarser parts and axles.

iDuctor - THE ULTIMATE TOOL FOR FLAMELESS HEATING

The iDuctor from iTools! This extremely handy tool uses induction to precisely heat a nut, steering knuckle, bearing or any other object made of magnetisable metal. In fact, very precisely! After all, heating through induction, as opposed to heating with a gas torch, mainly heats the outermost part of the assembly. In less than a minute you can heat steal to 300 till 600 degrees Celsius, and since heat causes it to expand you can remove it in a snap. It’s the ultimate tool for difficult tasks, must have tools for automotive garages, engine shops, industrial, aerospace, etc
Sirio is a highly specialised garage equipment manufacturer established on a 60,000 square meter site at S. Giovanni di Ostellato, in the Province of Ferrara, in 1997. Sirio exports over 60% of its production to more than 30 countries in different continents and its turnover continues to increase steadily. At Sirio, the plant features dedicated production lines where tyre changer and wheel balancers are constructed. The whole production process takes place at Sirio, from the raw materials to the finished product, ready for delivery to the customer. In addition, there is a special area dedicated exclusively to quality control, as it will guarantee continuity and a competitive edge through time, collaborating with organized importers also with an eye to the long term. For any special requirement for larger Wheel diameters or fully automatic machines please write to us.

**HEAVY DUTY TYRE CHANGER**

<table>
<thead>
<tr>
<th>Wheel Size</th>
<th>Rim Diameter</th>
<th>Rim Depth</th>
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</thead>
<tbody>
<tr>
<td>11”-27”</td>
<td>1640 mm (64”)</td>
<td>925 mm (36,4”)</td>
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</table>

Sirio Tyre Changer Super Single or tyre changer from 14” upto 56” for truck, buses, tractors and earth moving equipment with or without inner tunes. Automatic arm lifting and manual tool tipping. Ideal for workshops, fleet owners or mobile vans.

**TRUCK TYRE CHANGER FOR ROAD SIDE AND WORKSHOPS**

<table>
<thead>
<tr>
<th>Wheel Size</th>
<th>Rim Diameter</th>
<th>Rim Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>14”-27”</td>
<td>1300 mm (51”)</td>
<td>950 mm (37”)</td>
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HEAVY DUTY WHEEL BALANCERS

This is a perfect heavy duty balancer with great performance. It has LCD Display. It is space saving design with wheel lift facility. It works rim diameters from 10”-30” wheel Upto 200KGs. Various Cones are available for light to heavy commercial vehicles. Depending on budget various variation of models are available to suit your requirement.

**SNG T PORTABLE NITROGEN GENERATOR**

The nitrogen generator SNG requires only compressed air for functioning. It produces a nitrogen enriched mixture at low costs and it allows the amortization of the device in a short time (while the cost of nitrogen cylinders is high). Nitrogen is produced autonomously when actually needed, eliminating the need for storage and handling nitrogen bottles. Nitrogen is less chemically reactive than compressed air, it has less fugacity and is less sensitive to temperature variation, and it can therefore keep the best tyre pressure for a much longer time.

**MOBILE WHEEL ALIGNMENT CENTRE**

For better ROI for alignment. Lot of companies have invested in Mobile Vans which can house the following:

- Wheel Alignment System
- Tyre Fitment and rotation
- Air Pressure Checker and correction
- Chassis Greasing.
- Possibility to have Tyre Changer, Wheel balancer on a bigger Service Van.
BusLift® was founded in September 2004 to develop and market a new mobile column lift for heavy duty vehicles (buses & coaches, trucks) through the unprecedented know-how and expertise of its parent company SEFAC originated in the 70’s, this new lift is the result of a computer-aided design validated by numerous tests in our laboratory and in the field. Our products are manufactured in the premises of the group thus enabling the use of a highly efficient production line and a proven quality control system. We can help for 4 column lift or a row of 36 synchronized rail jacks with 540 tons capacity. Our lifts are used for buses, coaches, trucks, trans, tramways, locomotives, etc.

The main advantage of the mobile systems compared with any other - fixed lifts or underground hydraulic lifts - is obviously the flexibility of the product: with a set of 4 columns, it is possible to have several workplaces in the workshop.

- A set of stands or trestles can maintain the vehicle in the upright position for the servicing.
- Easiness and rapidity to install,
- Better access under the vehicle,
- Much more light than in pits,
- Clear ground,
- Approach of transmission jacks and easy removal of mechanical assemblies...

Safe & Reliable Lift for under carriage works Plug & Play Columns - Easy to use.

Available in different capacities from 5.5 to 15 tons per column Mobile - Can be used anywhere in the shop.

20 - 30 % lighter in weight than any other make columns +/- 25 mm synchronisation allows for easy control.
EASYBALANCE is an environmentally friendly absorbent balancing powder that is placed directly inside truck and bus tyres. Due to its ability to re-distribute itself when the vehicle is in motion, it provides maximum tyre and wheel balance at all times, during the entire lifetime of the tyre.

The product has been available on the market since 1994 and has shown its ability in balancing vehicle tyres throughout Europe. EASYBALANCE is sold in single-use packs of 100, 200, 300, 350 and 500 g, and in 7.5 kg buckets with a dosing scoop.

Many truck owners are helpless in finding a solution to make the wheel nuts of their heavy vehicles stay put. Loose wheel lug nuts do not only result in wheels falling off, but also to heavy costs and in some cases to serious accidents. With Rollock locking clamps the problem is solved.

Each clamp locks two nuts and is very easy to fit. All you need is our easy to use tool and a plastic-faced hammer. Just drive the locking clamp over two adjacent nuts. The teeth form themselves tightly around the six sides of the nuts and that’s it!

The nuts will remain safely in place, securely locked - minimizing the risk of wheel loss.

The ingenious Rollock leaves no marks and is easy to remove. Unscrew the wheel nut in the normal manner and the clamp will come off easily.

Rollock locking clamps are available in the different sizes:

Some of our valued clients

For more information please contact us today:

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