J-SOLUTIONS
FOR AIRCRAFT GROUND HANDLING, MAINTENANCE & MANUFACTURING
JMS. The first decade of new flexibility in GSE.

Do not regard this as an advertising slogan – take it as our promise to you. In early 2010, four known people – all professionals and experienced within the GSE industry – have joined forces in order to provide more flexibility, stimulate product innovation and reach out to increase customer service provided. Straight listening to customers, in-house engineering, short distances to certified production partners and being able to react quickly to market requirements. We always have the safety, reliability and cost efficiency of your operations in mind, considering the entire life cycle of the solution. That’s what we call new „flexibility!”

ISO 9001 - certified since 2012
Fully CE-compliant products
Sales leading team at JMS AG
Mr. Florian Spieker/VP Sales & Marketing
Mr. Matthias Korward/Chief Executive Officer
Mr. Richard Schilberg/Sales Manager CIS & Baltic States
Ground Handling Equipment

J-TOW     JMS provides the full range of towbars for narrow- and wide-body aircraft as well as for business jets and regional aircraft.

Your advantages at a glance
- more flexible
- faster and safer
- universal designs
- easy to position
- better protection
- long service life
- transport optimized

MORE ECONOMICAL

The safe towbars

Your aircraft

J-TOW biz3, universal business jet and regional aircraft towbar with height-adjustable undercarriage for combination with J-TOWhead-series; also available as J-TOWbiz1/2 series with fixed undercarriage, displayed D-E adapter and ATR-towhead.

J-TOW versa1, universal towbar for wide-body aircraft; most efficient handling with patented twin-position quick-fit shear pin; also available with single position shear pin for individual aircraft models; displayed A350 towing.
The leading universal solution for A320 & B737 push back: J-TOWversa3

Advantages at a glance

- covering both A320- and B737 family (all versions on both families) and more with one single tow head
- switch a/c-configuration in less than 10 seconds
- proven twin-position quick-fit shear pin system (patented), allows the adjustment of the correct shear value in a few seconds
- shear pin installation, replacement and operation without any tools (easy to use also with gloves during winter operations)
- FOD-safe
- result: increased economics and safety

design available for most of the JMS narrow- and widebody aircraft towbars

Legacy towbar retrofit program
increase your performance and reduce costs by installing a JMS universal towhead and/or toweye

J-TOWversa3
prepared for the next generation of single aisle aircraft

J-TOW Optional features for every need

offering a wide variety of budget optimized optional features

Floating axle, allowing easier lateral positioning of tow bar during coupling to aircraft NLG.

Toweyes, available as rigid type, or revolving and shock absorbing.

Optional customized color, and other options like swivel castors or rubber buffer support of bar can be provided.

Split towbar, convenient in case of air freight or requirement for compact transport size.

Fly-away towbars, available for transport within multiplex/wood or aluminum box.

Lockout-/safety pins, available for various aircraft types.
Wheel & Brake Change Equipment

Universal solutions around wheel and brake operations

Changing aircraft wheels and brakes – our solutions for every step of your process.

Your advantages at a glance

- more flexible
- more lightweight
- more agile
- faster and safer
- universal designs

MORE ECONOMICAL

For more information just scan this code

J-AXLE JMS Axle jack – air series

universal fully equipped air operated hydraulic axle jacks for business and regional jets as well as for narrow- and wide-body aircraft

J-AXLE12HPA, common axle jack for NLG of narrow-body aircraft; available with handpump or pneumatic support as J-AXLE12A; further design available as J-AXLE20A for business aircraft.

J-AXLE45AHPA/ J-AXLE60AHPA/ J-AXLE90AHPA/ J-AXLE105AHPA, for operation or all common narrow- and wide-body aircraft 45/60/90/105 to. 50/66/99/115 US short to.), fully equipped with hand pump.

jms.aero
One solution for all your jacking requirements

Indestructible cylinder concept:
- hardened, chrome-plated and ground pistons
- metal matrix lifetime seals
- minimized maintenance tasks
- modular design for lowest operational costs

J-CART     Service Carts
consistent intelligent design on all J-CART family members to maximize operators ergonomics based on Roll on - Roll off function

J-CART-Wx-Jx-Nx, universal ramp-service-cart, LP/HP N2, wheel transport, axle jack and service tooling.

J-CART-xBN, available in any bottle configuration, with or without booster.

J-CART-UNIVx, universal storage of any GSE, i.e. axle jack, wheel dolly, wheels and other equipment.

J-AXLE - options for safer and more ergonomic operation

J-AXLE-PHA, pressure hose set for axle jacks, to connect aircraft wheel or Nitrogen Cart with axle jack.

227A-JMS, wheel & Brake dolly, capacity of 700 kg (1540 lbs) to carry up to A380-wheels, with inclinable lifting arm and optional crane hoist for brakes.

J-TIREGUN, aircraft tire inflator gun, set incl. Schrader connectors for small and large valves.

J-CART-A, axle jack trolley, also available for 2 jacks, suitable for 45 to 105 to. jacks (50 to 115 US short to.).

J-AXLE-TBxx, axle jack transport box, the safe and easy handling fly-away storage for jacks from 45 to 105 to.

J-TF-xx, load test unit for axle jacks, universal fixture for any type of axle jacks, various load ranges.
J-POD  JMS efficient solutions for aircraft maintenance jacking

With our J-AMI design (Automatic Mechanical Interlock), we offer the safest tripod jacks with unparalleled low maintenance requirements. J-AMI tripod jacks are available for any single aircraft or mixed fleet application (single stage or telescopic), narrow or wide body aircraft, and can be combined with the easy-to-use J-SLS synchronized lifting system - straight from the beginning or later as an upgrade.

### Costs and savings

<table>
<thead>
<tr>
<th>Costs and savings</th>
<th>conventional tripod un-powered with manual safety lock-nut</th>
<th>conventional tripod powered with manual safety lock-nut</th>
<th>J-AMI – Automatic Mechanical Interlock-system</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating staff:</td>
<td>★★★★★★</td>
<td>★★★★★★</td>
<td>★★★★★★</td>
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<tr>
<td>Operational costs:</td>
<td>★★★★★★</td>
<td>★★★★</td>
<td>★★★★</td>
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<tr>
<td>Safety:</td>
<td>○</td>
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<tr>
<td>Maintenance:</td>
<td>✦✦✦✦</td>
<td>✦✦✦</td>
<td>✦✦✦</td>
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<tr>
<td>Legend:</td>
<td>1 supervisor, 3 tripod operators, 3 safety lock-nut operators</td>
<td>1 supervisor, 3 tripod operators, 3 safety lock-nut operators</td>
<td>1 supervisor, 3 tripod operators, 1 support for start up</td>
</tr>
</tbody>
</table>

Your advantages at a glance with increase of technology

- more time saving
- less staff required
- reduced operational costs
- higher safety in operation
- less maintenance demand
- more reliable

**MORE ECONOMICAL**

J-SLS, synchronized Lifting System, JMS has designed an all new family of tripod jacks with the straight focus on safety and cost savings. Combining J-AMI and J-SLS you will profit from the highest safety in operation and lowest operational costs by strategically applying your human workforce only where it is absolutely necessary.

J-SLS, upgrade your electrical operated JMS-tripod jacks easily to a synchronized lifting system by means of a remote control desk.
J-STAY747, B747 freighter tail stanchion; cover and further options upon request.

J-POD – JMS unique maintenance tripod jacks
for cost efficient and safe a/c maintenance jacking

J-AMI advantages at a glance
- 12 to 15 years lifetime seal
- Hydraulic fluid monitoring limited to filter changes if appropriate and without special equipment
- Hydraulic tight and hard Chrome plated piston does not require particular cleaning and greasing

In the unlikely event of an unexpected cylinder seal leakage with aircraft lifted, the V-shaped seals get you back to operation within less than an hour!

J-POD35, narrow body tripod jack, available as single stage or universal telescopic version for mixed fleet.

J-POD55, wide body tripod jack, available as single stage or universal telescopic version for mixed fleet.

For more information just scan these codes

J-STAY747, B747 freighter tail stanchion; cover and further options upon request.

J-TFxx, universal test fixture for any tripod jack, easy and safe test of axle and/or tripod jacks up to 150 to. (165 US short to.); also available as fix test stand.
Modern solutions for efficient Vehicles Maintenance

Proven equipment in the industry adapted to your airport vehicle requirements providing highest efficiency and based on best operational handling.

**Electro hydraulic lifts**, available for any type of airport vehicle, either for 2 or 3 axis vehicles (2 lifts per axis).

**Transportation dolly 388b**, vehicle wheel handling, easy handling of any wheel for easy transport to other storage area.

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**JMS - Oil and Grease Management**

select the dispenser and suitable options of your preference

**J-FDxx**, fluid dispenser for Mobil Jet II, also available for standard oil, Skydrol, HyJet IV, CSD; available options, like air operated pump, digital fluid counter, customized coupling, etc.

**J-GDxx**, grease dispensers available in different sizes, hand-, foot- or air-operated, as well as with a variety of options.

**J-GGA**, specific grease gun adapters for ergonomic and quick access to special areas.

**Nitrogen and Oxygen Management**

full range of service carts for Nitrogen or Oxygen and operational solutions

**J-CART-10BO-BOOSTER**, 10 bottle trolley for oxygen service, also available in other configuration.

**J-CART-2BO/-2BN**, bottle trolley for use with oxygen or nitrogen, also available for 4 and more, with or without booster.

**J-PFD**, compact 4 liter nitrogen portable filling device, recharging the aircraft's nitrogen accumulators - quick, safe and easy.

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JMS - Innovative engineering solutions

New aircraft generations require innovative solutions for aircraft component manufacturing and final assembly. Large component lifting and installation e.g. for aircraft engines, as well as the transportation of fuselage barrels and in whole are engineering tasks that were successfully delivered in time and in budget by JMS AG for several OEMs and integrators.

Your advantages at a glance with customized solutions

- out-of-the-box engineering
- on-time realization
- in-budget
- reliable solutions

CUSTOMIZED SOLUTIONS

J-SEL

Smart Engine Lifts for narrow and wide body aircraft

J-SEL, compact electro-mechanical pillar, highest precision, easy maneuver.

J-SEL control panel, Smart Engine Lift - remote control.

J-SEL1105 at Sukhoi aircraft assembly line, 1.1 m lifting height, 5 to. capacity.

J-FTS

customized transport solution for SJ100-fuselage from fuselage facility to FAL-building

Operates electrically inside, diesel powered outside.

Designed for harsh winter environment.

Reliably supporting Sukhoi’s production operation.
## Selected worldwide customer references

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<th>Africa Flight Service</th>
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Complete customer references list here: