J-SOLUTIONS
FOR AIRCRAFT GROUND HANDLING, MAINTENANCE & MANUFACTURING
JMS - the second 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
ISO 14001 - certified since 2022
Sales leading team at JMS AG
Mr. Florian Spieker/VP Sales & Marketing
Mr. Matthias Korward/Chief Executive Officer
Mr. Richard Schilberg/VP Sales & Technical Services

JMS. THE NEW FLEXIBILITY IN GSE.
J-TOW JMS provides the full range of towbars

selection of towbars for narrow- and wide-body aircraft as well as for business jets and regional aircraft

J-TOWbiz3, 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-TOWversa1, 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.

More economical

Download our corresponding select files through these codes

Your advantages at a glance

• more flexible
• faster and safer
• universal designs
• easy to position
• better protection
• long service life
• transport optimized
The leading universal solutions for Narrow and Wide Body push back: J-TOWversa1 & J-TOWversa3

Advantages at a glance

- covering the most common narrow and wide body aircraft each with a single tow-head
- switch a/c-configuration in less than 10 seconds
- proven twin-position ergonomic shearpin-handle for easiest & safest positioning, 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
- optional shear brake indicator

J-TOWversa1 universal wide body

J-TOWversa3 universal narrow body

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

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

Download our select file through this code

J-AXLE

JMS Axle jack – manual and air-series

universal hand and/or air operated hydraulic axle jacks for business and regional jets as well as for narrow- and wide-body aircraft

J-AXLE06-01HPA/ J-AXLE08-01HPA/
J-AXLE12HPA/ J-AXLE20A
common axle jacks from 6 to 20 t. (6,6 to 22 US sh.to.) for business jets & regional/narrow body aircraft, manually or pneumatic operated

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

Special versions available upon request.
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

Download the select file through this code

**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-Wx-Jx-Nx, 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 & J-TIREGUN, pressure hose set and inflator gun incl. wheel couplings.

227A-JMS, wheel & Brake dolly, capacity of 700 kg (1,540 lbs) for any wheel size, available with several options; alternative wheel fork J-WF1 for basic wheel handling.

J-AXLE90AHPA-AR, recovery jack for lifting of landing gears, besides available NB recovery beams.

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-TBAxx, axle jack transport box, the safe and easy handling fly-away storage for jacks from 20 to 105 to.

J-TF-xx, universal load test unit, fixture applicable at any type of axle and/or tripod jack up to 150 to (165 US sh.to.); also available as test stands.
## J-POD  JMS efficient solutions for aircraft maintenance jacking

Besides the CONVENTIONAL design with manual safety lock-nut, JMS offers manual and automatic mechanical locked jacks with unparalleled protected low maintenance requirements. Here you will find the unique J-AMI design, the automatic mechanical interlock system. Electric operated jacks allow in combination with the J-SLS a semi- or fully automated handling of your jacks with corresp. higher safety and reduced maintenance costs.

### 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>
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<tr>
<td>Operational costs:</td>
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<td>✪✪✪✪✪✪✪✪✪✪✪</td>
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<tr>
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<tr>
<td>Maintenance:</td>
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<td>✪✪✪✪</td>
<td>✪✪✪✪</td>
</tr>
</tbody>
</table>

**Legend:**

- 1 supervisor, 3 tripod operators, 3 safety lock-nut operators
- 1 supervisor, 3 tripod operators, 3 safety lock-nut operators
- 1 supervisor, 3 tripod operators
- 1 supervisor, 1 support for start up

### 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-POD

J-PODset for SSJ100
manually locked tripod jacks
various designs from business jets, through narrow body up to wide body aircraft.

#### J-SLS

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-POD/ 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-POD – JMS variety of tripod jacks
in accordance with your maintenance tasks for cost efficient and safe a/c maintenance jacking

J-AMI advantages at a glance

- “auto locking” through spring loaded locking elements, even with no electric power available
- hydraulic system features “air cleaning” desiccant filter in order to prevent oil deterioration
- dual wiper seals to protect the cylinder

Please refer to our select files indicating the operational options for your selection.

J-P0D55, wide body tripod jack, available for single aircraft or mixed fleet.

J-P0D35, universal narrow/wide body tripod jack, available as single stage or universal telescopic version for mixed fleet.

J-P0D130, wide body tripod jack, available as single stage or universal telescopic version for mixed fleet.

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.

Download the select files through the corresponding codes
Aircraft and Vehicle Service Equipment

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.

Aircraft final assembly engineered solutions
New aircraft generations require innovative solutions for aircraft component manufacturing and final assembly. Highly precise fuselage manufacturing jiggs, 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
universal smart engine lifts for narrow and wide body aircraft

J-SEL1105 smart engine lift displayed for narrow body, also available with high load range for wide body aircraft, all based onto electro-mechanical pillars with highest precision and remote control

Vehicles Maintenance
variety of electro hydraulic lifts, available for any type of airport vehicle, either for 2 or 3 axis vehicles (2 lifts per axis).

Electro hydraulic lifts, available for any type of airport vehicle, either for 2 or 3 axis vehicles (2 lifts per axis).
JMS - supporting the defense sector of aviation

GSE designed and available for a variety of aircraft and helicopters dedicated to defense e.g. towbars, axle and tripod jacks as well as service carts for any requirements.

J-TOWmi17 towbar for Mi helicopter

J-TOW76 towbar for Iljuschin IL76

Axle jacks, J-AXLE45AHPA/SMV2010100V0100 for aircraft C27 & C130 & A-05-300 for helicopter NH90

J-POD60TX01

Wide body tripod jacks with integrated J-AMI

Best Return on Investment

- lowest maintenance and operational costs
- quick set up
- including emergency lowering seal
- J-AMI – Integrated automatic locking system
- optional upgrade to J-SLS
- highest safety

J-POD06SXM01

Tripod jack for smaller aircraft with integrated manual locking
selected worldwide customer references
from Ground Handling, Line & Heavy Maintenance and OEM-side

Africa Flight Services / Kenya
    Airbus
AirTechSupport / Carribean
Avianca / Colombia
Aviapartner / Europe
Bird Airport Services / India
    Boeing
Cathay Pacific / Hong-Kong
    China Southern
COPA / Panamá
    Embraer / Brazil
Emirates-DNATA / UAE
Fedex / USA-worldwide
FL Technics / worldwide
    HAECO / Hong-Kong
    HiSERV / Europe
Korea Airport Service

LATAM / Latin America
    LION Air group / Asia
Lufthansa Technik / worldwide
    Menzies / worldwide
    NATO / Europe
Qatar Aviation Services
    Qantas Link / Australia
    SATS / Singapore

SIAE / Asia
    Skyserv / Greece
    TAP ME / Portugal
    Turkish Technic
United Airlines / USA-worldwide
    VIAGS / Vietnam
    Wideroe / Norway
    Zanzibar Aviation Service

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