



10⁺ YEARS

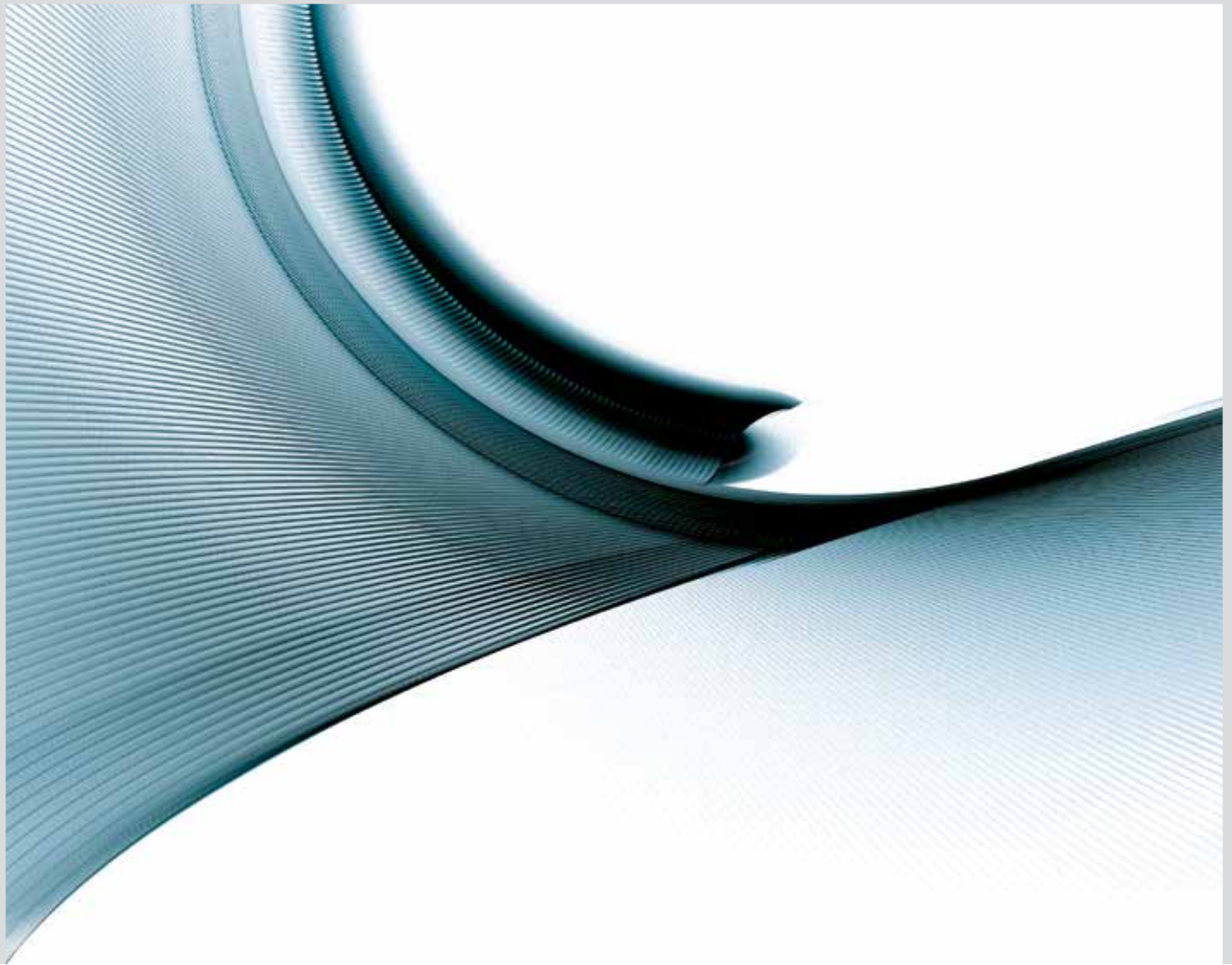
Innovation and Flexibility in GSE

J M S . T H E N E W F L E X I B I L I T Y I N G S E .

J-SOLUTIONS

FOR AIRCRAFT GROUND HANDLING,
MAINTENANCE & MANUFACTURING





GROUND HANDLING EQUIPMENT

WHEEL & BRAKE CHANGE EQUIPMENT

MRO & SERVICE EQUIPMENT

AIRCRAFT & VEHICLE MAINTENANCE EQUIPMENT

DEFENSE GSE SOLUTIONS

SERVICE

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



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

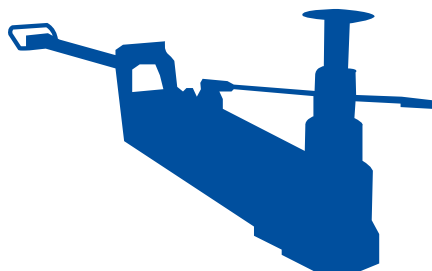

2010
ESTABLISHED

3.000+
towbars 
IN **GROUND**
HANDLING

400+ 
SATISFIED **CUSTOMERS**

1.000+
AXLE JACKS
IN **WHEEL HANDLING**

 IN
100
COUNTRIES



J M S . T H E N E W F L E X I B I L I T Y I N G S E .

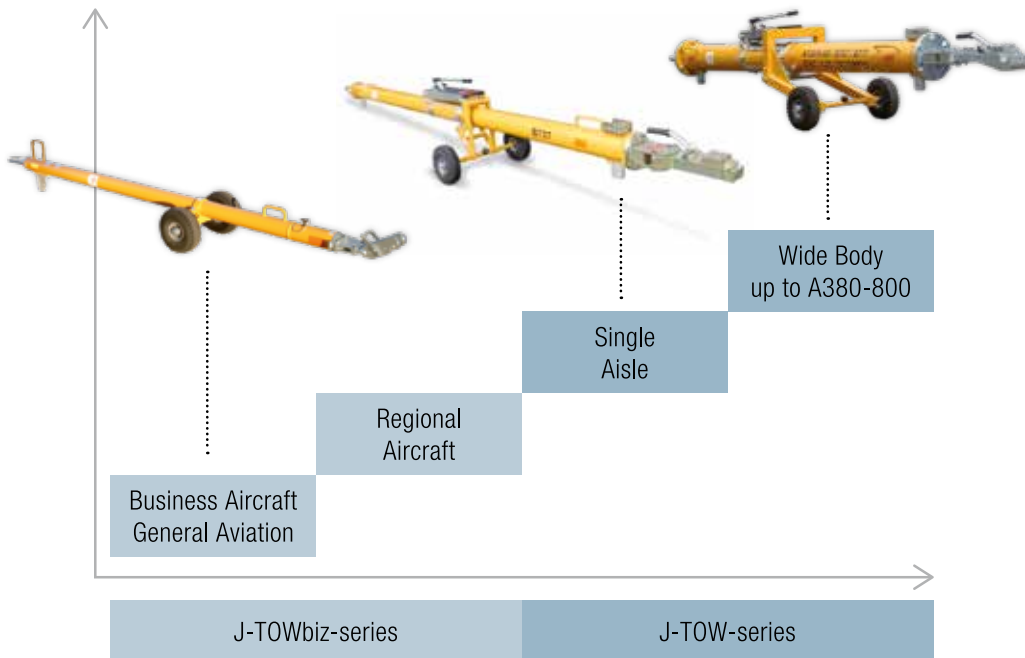


Ground Handling Equipment

★ ★ ★
QUALITY

MRW

The safe towbars



Your advantages at a glance

- more flexible
- faster and safer
- universal designs
- easy to position
- better protection
- long service life
- transport optimized

► **MORE ECONOMICAL**

YOUR AIRCRAFT



regional & business jets



For more information
just scan these codes

YOUR AIRCRAFT



narrow and wide bodies



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.

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

- SAFER ▶
- FASTER ▶
- EASY TO POSITION ▶
- MORE FLEXIBLE ▶
- BETTER PROTECTION & LONG SERVICE LIFE ▶
- AVAILABLE FOR TODAY'S AIRCRAFT ▶



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.

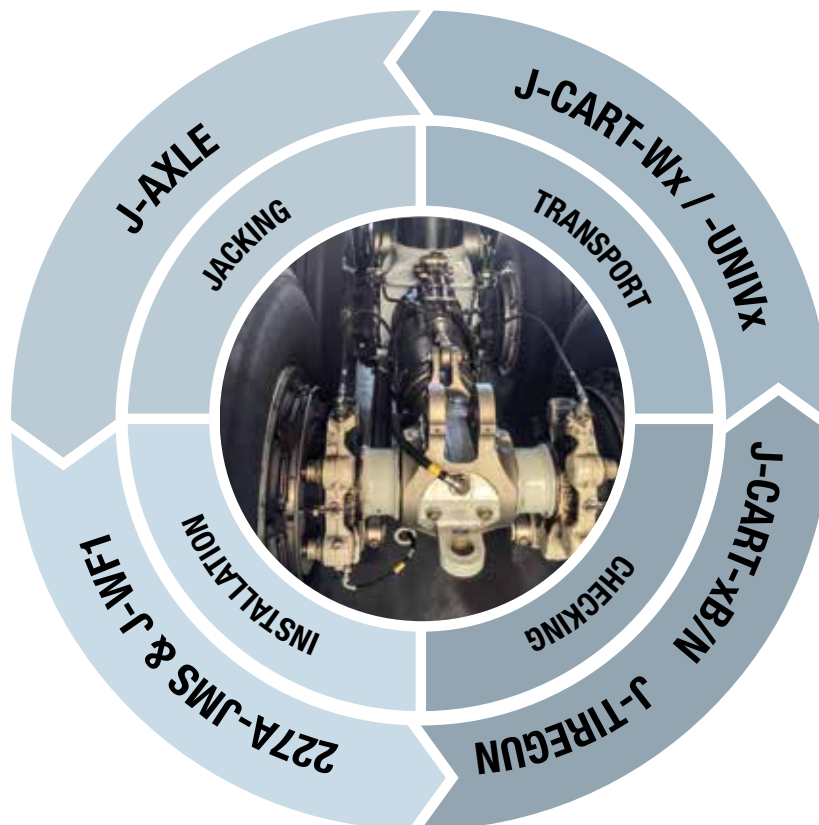


Wheel & Brake Change Equipment

★ ★ ★
QUALITY

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 – 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,
common axle jacks from 6 to 20 to. (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 on all common
narrow- and wide-body
aircraft 45/60/90/105 to.
(50/66/99/115 US short to.),
fully equipped with air or
additional handpump.

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



displayed **J-AXLE105AHPA** covering A350-1000 and further wide body aircraft



For more information just scan this code

YOUR CART



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-CARTxB/N, 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) to carry up to any wide-body aircraft wheels, optional crane, sling and brake support.



J-WF1, wheel fork for basic handling tires



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.

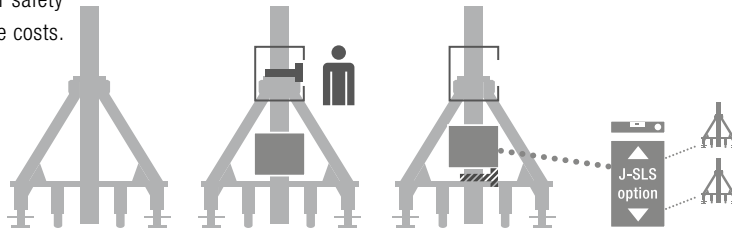


MRO & Service Equipment

★ ★ ★
QUALITY

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.



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



Costs and savings	conventional tripod un-powered with manual safety lock-nut	conventional tripod powered with manual safety lock-nut	J-AMI – Automatic Mechanical Interlock-system	
			J-POD	J-POD & J-SLS
Operating staff:	8 icons	8 icons	4 icons	2 icons
Operational costs:	€€€€€€€€ €€	€€€€€€	€€€	€€
Safety:	1 chain icon	1 chain icon	3 chain icons	4 chain icons
Maintenance:	3 wrench icons	3 wrench icons	2 wrench icons	2 wrench icons
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
Overall Efficiency				



J-PODset for SSJ100

manually locked tripod jacks various designs from business jets, through narrow body up to wide body aircraft.

YOUR AIRCRAFT



conventional designed jacks



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.

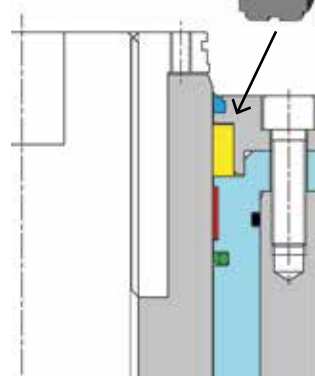
J-POD – JMS variety of tripod jacks

in accordance with your maintenance tasks for cost efficient and safe a/c maintenance jacking



J-AMI advantages at a glance

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



J-P0D55, wide body tripod jack, available as single stage or universal telescopic version for mixed fleet.

YOUR AIRCRAFT



narrow bodies

For more information
just scan these codes

YOUR AIRCRAFT



wide bodies



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.

Aircraft and Vehicle Service Equipment

★ ★ ★
QUALITY

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.



J-SEL - Smart Engine Lifts

universal smart engine lifts for narrow and wide body aircraft



J-SEL1105 at Sukhoi aircraft assembly line, based onto electro-mechanical pillars with highest precision and remote controlled, displayed design with 1,1 m lifting height, 5 to capacity

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).ling.

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



Defense GSE solutions

★ ★ ★
QUALITY

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 for aircraft and helicopters



J-POD06SXM01

tripod jack for smaller aircraft
with integrated manual locking

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-POD60TX01

wide body tripod jacks
with integrated J-AMI





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JMS brochure
J-SOLUTIONS



Selected worldwide customer references

Africa Flight Service

Airbus

AirTechSupport

Alaska Airlines

Aviartner

Boeing

HiSERV

Emirates/DNATA

Korea Airport Services

Lion Air Group

Lufthansa Technik

QantasLink

Reiser ST

S7 Engineering

Thai Airways

Zanzibar Aviation Service



Your complete
JMS customer
reference list

JMS AG

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www.jms.aero

Checkout for our
responsive website with
full access to any data.



Reseller/sales partner

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