

**SAVES MORE THAN  
40% OF YOUR  
OPERATIONAL COSTS**

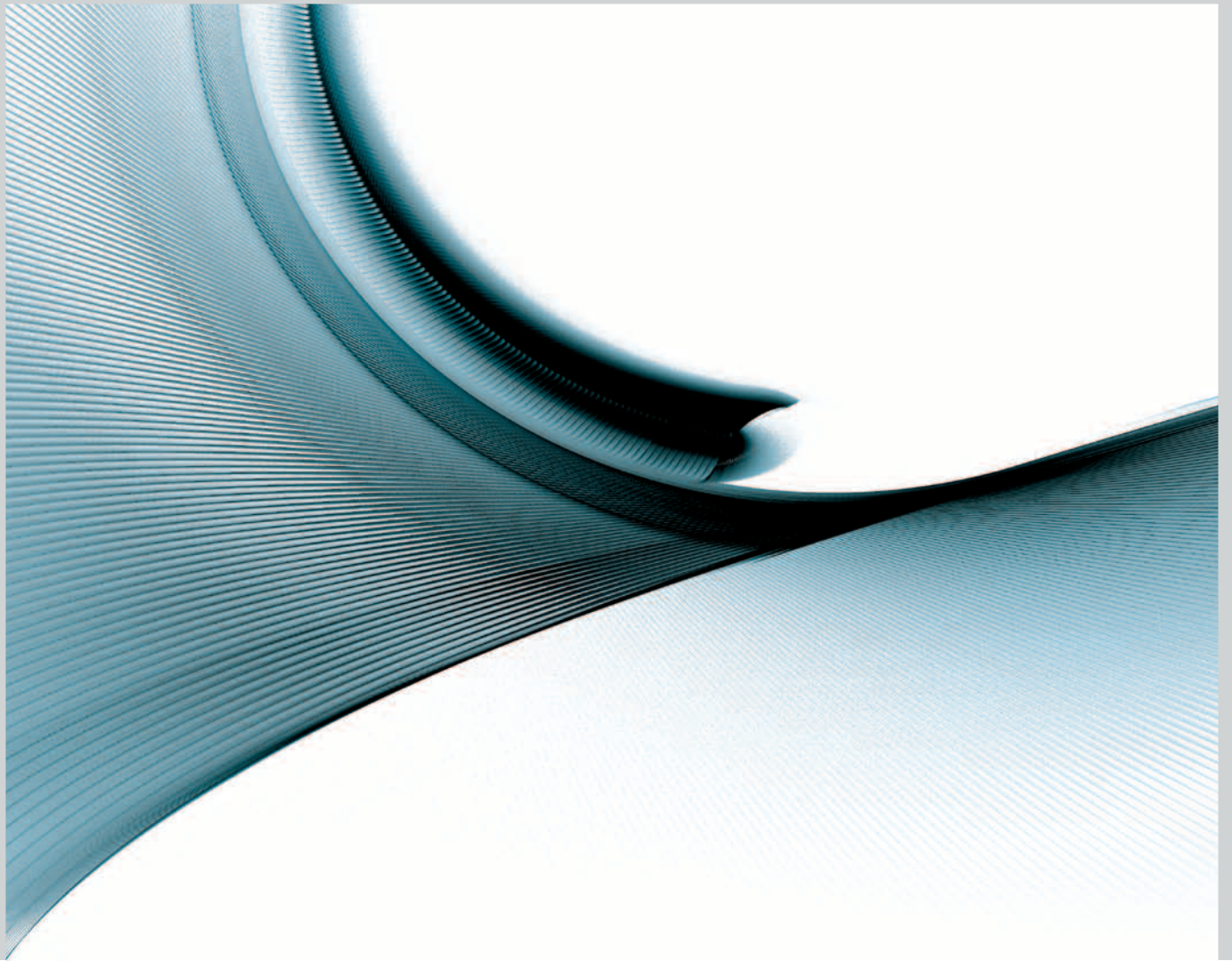


J M S . T H E N E W F L E X I B I L I T Y I N G S E .

# J-POD

MAINTENANCE TRIPOD JACKS





AXLE JACKS

TOW BARS

TRIPOD JACKS

SERVICE CARTS

TRADING EQUIPMENT

SERVICE

**JMS. The new flexibility in GSE.** Do not regard this as an advertising slogan – take it as our promise to you. 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. That's what we call new "flexibility!"



*ISO-certified since 2012*



*Experienced leaders at JMS AG: Jürgen Droste,  
Rudolf Schilberg, Matthias Korward, Florian Spieker.*

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# J-POD – saves you more than you expect!

◀ **LOW MAINTENANCE**

**J-AMI –  
INTEGRATED ▶  
PATENTED  
LOCKING  
SYSTEM**

**saves more than  
40% of YOUR  
operational costs**

**EASY  
POSITIONING ▶**

▶ **OPTIONAL  
UPGRADE  
TO J-SLS**



▲ **QUICK SET UP**

▲ **INTUITIVE  
HANDLING**



Low maintenance based on J-AMI  
JMS Automatic Mechanical INTERLOCK system



Most cost efficient operation based on J-SLS  
JMS Synchronized Lifting System

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## J-AMI – the Automatic Mechanical INTERLOCK for cost efficient and safe a/c maintenance jacking

Have you ever thought about how many aircraft mechanics are touching hands on tripod jacks during a jacking procedure and how safe these – partially boring – tasks are handled? Conventional tripod jack sets usually require one mechanic to attend to the hydraulic pumps operation, another one to control the position of the safety lock-nut. Take this times three for your main jacks. Besides, you require an additional person – usually the foreman – to coordinate the overall position of your aircraft. In total, you usually employ 6-7 aircraft mechanics at any given time for the operation of one conventional tripod jack set.

Have you ever thought to perform this task easier, safer and more cost efficient? We at JMS offer the solution to this challenge based on **J-AMI**, the **JMS Automatic Mechanical Interlock-System** and **J-SLS**, the **JMS Synchronized Lifting System**!

- The JMS-tripod jacks feature an integrated **Automatic Mechanical Interlock-System**. By means of this **patented system**, a safe mechanical interlock is guaranteed at any given moment and unintended movement of your jack will be safely blocked, e.g. in case of a hydraulic pressure drop within the jack's circuit.
- This system takes over the simple, but safety relevant task from a highly qualified aircraft mechanic, allowing you to apply the mechanics' skills to where it can perform more profitable and eliminate the human factor as safety improvement. Cost saving, safety improving.

### J-AMI, Automatic Mechanical INTERLOCK System means:

- **100% safety due to internal locking mechanism**
- **Operates independent of the human factor as it is permanently active**
- **Practically maintenance free system**

J-AMI complies to the following national as well as international standards:

- DIN EN 1915-1/-2
- DIN EN 12312-19
- SAE AS4775
- Machinery Directive 2006/42/EC

- **Each Main Jack** consists of
  - One hydraulic locking cylinder (**J-AMI**) including aircraft-specific jacking adapter
  - Tripod frame in robust steel design with Skydrol-resistant paint including castors (undercarriage); tripod frame collapsible for transportation purposes
  - Hydraulic power pack including motor pump, double hand-pump unit (LP/HP) for emergency operations
- By standard design, the motor pump will be powered by your choice of supply, either by pneumatic pressure (from 6-10 bar) or by electrical power (400V AC 50/60Hz). In case of electrical power supply, the system can be upgraded easily to a synchronized lifting system (**J-SLS**).
- Safety stay designed as tripod steel frame with a mechanical jackscrew unit

- The **J-SLS**, the **JMS Synchronized Lifting System**, allows you to control and synchronize lifting and lowering of all three main jacks, i.e. the aircraft, over the entire process via a central control desk. By simply connecting electrical control cables to the control desk, all lifting and lowering operations are performed as easy as by pushing buttons; highest efficiency in terms of safety and costs savings

We will be more than pleased to provide you with our supporting investment study, allowing you to choose your most-efficient way of lifting an aircraft

With the innovative **J-AMI** lifting technology, JMS provides state-of-the-art design in mechanical engineering to the aerospace industry – safer, easier and more efficient!

**J-POD – the smart choice in aircraft maintenance jacking!**

**J-POD designs for any commercial aircraft are available upon request.**

► **Send us your request under [sales@jms.aero](mailto:sales@jms.aero) or call us at +49 7821 99469-0**



# J-POD & J-SLS

THE **INNOVATIVE** TRIPOD JACKS

**J-SLS** – the Synchronized Lifting System  
easy upgrade for highest cost efficiency



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# less manpower – higher safety

for a faster and synchronized a/c maintenance jacking



**JMS J-POD.** 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.

**Check out your benefits from J-AMI and J-SLS in comparison to conventional tripod jack systems:**

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:	👤👤👤👤👤👤	👤👤👤👤👤👤	👤👤👤	👤👤
Operational costs:	€€€€€€€€€€	€€€€€€	€€€	€€
Safety:	🔗	🔗	🔗🔗🔗	🔗🔗🔗🔗
Maintenance:	🔧🔧🔧	🔧🔧🔧	🔧🔧	🔧🔧
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-POD
Narrow Body-series
OEM / Aircraft
A318/319/320/321
B737-all series
EMB170-195
Sukhoi SJ-100
Antonov AN-148/-158

Further tripod jack-series for other aircraft are available upon request!

Contact us at [sales@jms.aero](mailto:sales@jms.aero) or call us at +49 7821 99469-0

We will be more than pleased to support you!



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#### JMS wide range of GSE

Ground Support Equipment available for commercial and regional aircraft: axle and tripod jacks, tow bars, service carts, fluid dispensers and further related services for the maintenance on the ground.



#### JMS range of trading equipment

Smart Engine Lift, wheel dolly, portable nitrogen filling device, maintenance steps and platforms, VIP-stairs, scissor lifts, tools for workshops and further related services for the maintenance on ground.



#### Aircraft Maintenance Tooling and related GSE

Sales cooperations with world no.1 suppliers in their industry:

- SCHUNK Lasertechnik GmbH/Gemany for laser welding machines
- Lufthansa LEOS GmbH/Gemany for seat change dollies and further aircraft maintenance equipment
- HYCOM BV/The Netherlands for hydraulic ground power units
- FARWEST Aircraft Inc./USA for BOEING-licensed maintenance tooling



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