

Information Sheet

on our new

50 Tonne Turntable

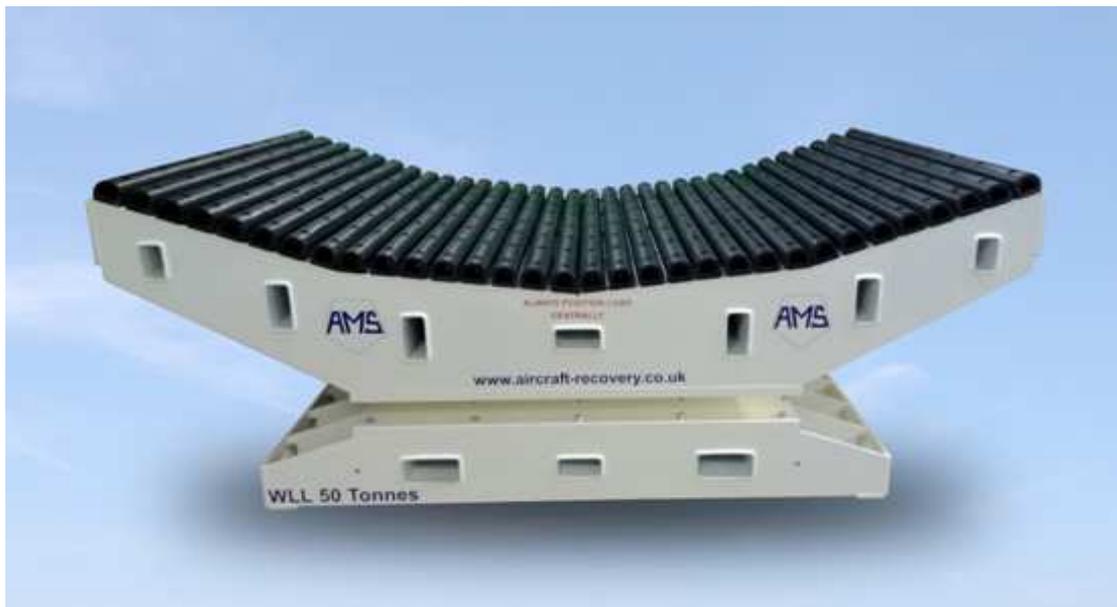


As the aviation industry continues to increase the size of commercial passenger airline jets, AMS has been at the forefront of creating recovery equipment to accommodate the weight and size of these larger aircraft.

This has resulted in the launch of our new **50 tonne turntable**, through our close relationship with British Airways.

Combining our own data with information from BA's leading air recovery engineers, AMS has produced the first turntable specifically designed to deal with nose gear failures for aircraft up to the size of the A380.

- **Air Freight capable (on Aircraft Pallet LD9)**
- **Curved profile / contoured deck**
- **Rubber buffer interface**
- **Low operating height**
- **Height adjustable**
- **Multiple swivel eye locations and fitting points**



UNIQUE FEATURES

Two key innovations which are unique to the 50 tonne capacity turntable are the **curved profile** design and **rubber buffer** cushion interface.

The **curved profile** allows even the largest aircraft to sit within the bed of the turntable, reducing the amount of point load applied to the fuselage. This design also helps recovery teams to easily centralise the load, which increases stability and control when towing.

The area of the aircraft that usually sits on the turntable is the section that is often most damaged. Sharp sections of aircraft can render the use of an airbag interface prohibitive so we designed our new unit with high load **rubber buffer** cushions that overlay the curved profile, to provide an

additional level of security.

The rubber buffers absorb load and compensate for uneven and damaged areas, further reducing point contact to minimise the risk of creating secondary damage. They also increase grip to reduce the potential of slippage when towing. Buffers that are damaged during the recovery can be replaced, making them a highly cost-effective feature of the new turntable.

FURTHER FEATURES AND BENEFITS

Rotation of the unit is via a high load bearing, covering 50% of the contact area to ensure loads are fully supported, rather than a pivoting style bearing that doesn't fully support the load. The bearings in our unit are manufactured to the highest standard (also being used for the rotation of 100m electricity generating wind turbines).

There are no complex side supports to adjust so the AMS turntable is ready for immediate use.

The AMS 50 Tonne Turntable is designed to be positioned on the deck of a multi-wheeled transporter and because the height of today's aircraft varies, we have introduced two optional accessories to aid safe and secure transportation:

OPTIONAL ACCESSORIES

Height adjustment spacers: so the turntable sits at an optimum operating height for each type of aircraft

Modular interface plates: to allow for exact pitching of securing straps over the fuselage frame to prevent crushing of panels when tightened (covering pitch angles of 20" to 25")

Multiple swivel eye locations are provided for attaching fuselage securing slings, while fitting points on the lower section support the attachment of swivel eyes to secure the turntable to transportation vehicles.

These additional design points allow airport authorities and airlines to reduce their costs by using local companies that can hire out any suitable multi-wheeled transporter capable of carrying the load (provided it has appropriate securing lugs).

The disabled aircraft can then be moved as if the undercarriage was still in place.

AN ESSENTIAL PIECE OF EQUIPMENT

Demand for the A380 is already evidenced by Emirates, with 31 aircraft currently in its fleet and a further 59 on order. As importantly, Dubai Airport Authority has now fully opened a new 20-gate concourse built specifically to handle A380s.

Turntable systems have been proven many times in recovery situations and with the growing demand for wide-bodied aircraft, **our new turntable is set to become an essential piece of equipment for both airlines and airport authorities.**

To discuss our new 50 Tonne Turntable or our smaller units in more detail please call us on +44 (0)1420 23777, or send an email to info@aircraft-recovery.co.uk.

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