

# Test Stand For A380 Cargo Door Actuation System >TCD1<



For testing of the cargo door actuation system under nominal and error operation conditions.

- > Mechanical construction according to the aircraft geometry with original aircraft components and a cargo door dummy
- > Simulation of wind loads via adjustable load cylinder
- > Simulation of contact force of the door sealing
- > Manual, semi- and fully automatic test run
- > Computer controlled via movable operator desk
- > High-dynamic measuring data acquisition and -recording of pressure, flow, stroke, force, current and voltage
- > Hydraulic supply unit is sound proof to 75dB(A)

## TECHNICAL DATA

<p>&gt; <b>Main supply:</b></p> <p>3/N/PE AC 50Hz 400V 115A 3/MP/PE AC 400Hz 200V 80A</p>	<p>&gt; <b>Measurement range:</b></p> <p>High pressure: 0 to 500bar Low pressure: 0 to 70bar Flow: 0 to 50lpm Stroke: 0 to 1,000mm Force load-/test cylinder: ±100kN Force door simulation: ±2kN Current: 0 to 5ADC Voltage: 0 to 40VDC</p>
<p>&gt; <b>Hydraulical supply:</b></p> <p>Load cylinder: 280bar, 50lpm Cargo Door Actuation System: 350bar, 28lpm</p>	<p>&gt; <b>Dimensions and weight:</b></p> <p>Width: approx. 7,200mm Depth: approx. 6,000mm Height: approx. 5,000mm Weight: approx. 4,500kg</p>
<p>&gt; <b>Compressed air supply:</b></p> <p>min. 5bar, max. 8ar</p>	
<p>&gt; <b>Test medium:</b></p> <p>Skydrol LD4 resp. Skydrol LD5</p>	



## OPTIONS

A wide range of options is available to fulfil our customers' requirements.

Technical data are subject to change!