

# Universal Hydraulic Test Bench

## >UHTB1M<



Supply Unit



Test bench

To test hydraulic components of different aircraft types, like:

- Chinook
- Hercules C130J
- Nimrod MR4
- Sentry
- Tornado
- Typhoon

Can also be adapted for other aircraft types.

- > Testing of adjustable flow and pressure with two independent hydraulic circuits
- > Static pressure test up to 1000 bar
- > Leak oil free quick disconnect couplings
- > Supply of the electronics of the aircraft components

## APPLICATION

Chinook	Nimrod MR4	Tornado	
Hercules C130J	Sentry	Typhoon	

## GENERAL INFORMATION

- > Manual, semi- and fully automatic test run
- > Swivel-mounted display-and operation unit with 19" TFT-LCD monitor

## TECHNICAL DATA

<p>&gt; <b>Hydraulic circuits:</b></p> <p>Pressure:</p> <ul style="list-style-type: none"> <li>max. 415 bar (High pressure circuits)</li> <li>max. 1000 bar (Static pressure circuit)</li> <li>max. 20 bar (Return)</li> </ul> <p>Flow:</p> <ul style="list-style-type: none"> <li>max. 180 l/min at 300 bar (High pressure circuits)</li> <li>max. 135 l/min at 350 bar (High pressure circuits)</li> <li>max. 5 l/min at 415 bar (High pressure circuits)</li> <li>max. 5 l/min at 650 bar (Static pressure circuit)</li> <li>min. 0,5 l/min at 0.2 bar (Low Demand Low Pressure Circuit)</li> </ul> <p>Medium:</p> <p>MIL-H-5606, MIL-H-83282 and MIL-H-87257</p>	<p>&gt; <b>Adjustable drive- and load unit:</b></p> <p>Speed: max. 15000 rpm</p> <p>Power: approx. 75 kW (to 7000 rpm) approx. 12 kW (to 15000 rpm)</p>
	<p>&gt; <b>Electrical supply (requirements):</b></p> <p>Power supply: 3/N/PE AC 50 Hz 415 V</p> <p>Nominal current: 250 A</p>
<p>&gt; <b>Electrical parameters:</b></p> <p>Number of DC-supplies: 2</p> <p>Supply: 0..40 VDC / 0..15 A</p>	<p>&gt; <b>Dimensions and weight:</b></p> <p>Test bench LxBxH: approx. 2670 x 1500 x 1780 mm</p> <p>Supply unit LxBxH: approx. 3050 x 2240 x 2000 mm</p> <p>Weight test bench: approx. 3550 kg</p> <p>Weight supply unit: approx. 4350 kg</p>