General purpose Hydraulic Test bench

To test hydraulic components of different aircraft types, like:
- Apache
- Chinook
- Harrier
- Hawk
- Jaguar
- Lynx
- Merlin
- Sea King

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

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<th>Apache</th>
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GENERAL INFORMATION

> Manual, semi- and fully automatic test run
> Swivel-mounted display-and operation unit with 19” TFT-LCD monitor
> Modular construction with integrated hydraulic supply

TECHNICAL DATA

> **Hydraulic circuits:**

- **Pressure:**
  - max. 350 bar (High pressure circuits)
  - max. 1000 bar (Static pressure circuit)
  - max. 20 bar (Return)

- **Flow:**
  - max. 80 l/min at 280 bar (High pressure circuits)
  - max. 60 l/min at 350 bar (High pressure circuits)
  - max. 40 l/min at 280 bar (High pressure circuits)
  - max. 30 l/min at 350 bar (High pressure circuits)
  - max. 20 l/min at 280 bar (Low Demand Low Pressure Circuit)

- **Medium:**
  - MIL-H-5606, MIL-H-83282
  - MIL-H-87257

> **Electric:**

- **Number of DC-supplies:** 2
- **Supply:** 0...40 VDC / 0...15 A

> **Adjustable drive- and load unit:**

- **Speed:** max. 15000 rpm
- **Power:** max. 30 kW

> **Connected loads:**

- **Power supply:** 3/N/PE AC 50 Hz 415 V
- **Nominal current:** 140 A

> **Dimensions and weight:**

- **Test bench LxBxH:** approx. 2670 x 1500 x 1780 mm
- **Weight test bench:** approx. 3600 kg

Technical data are subject to change!