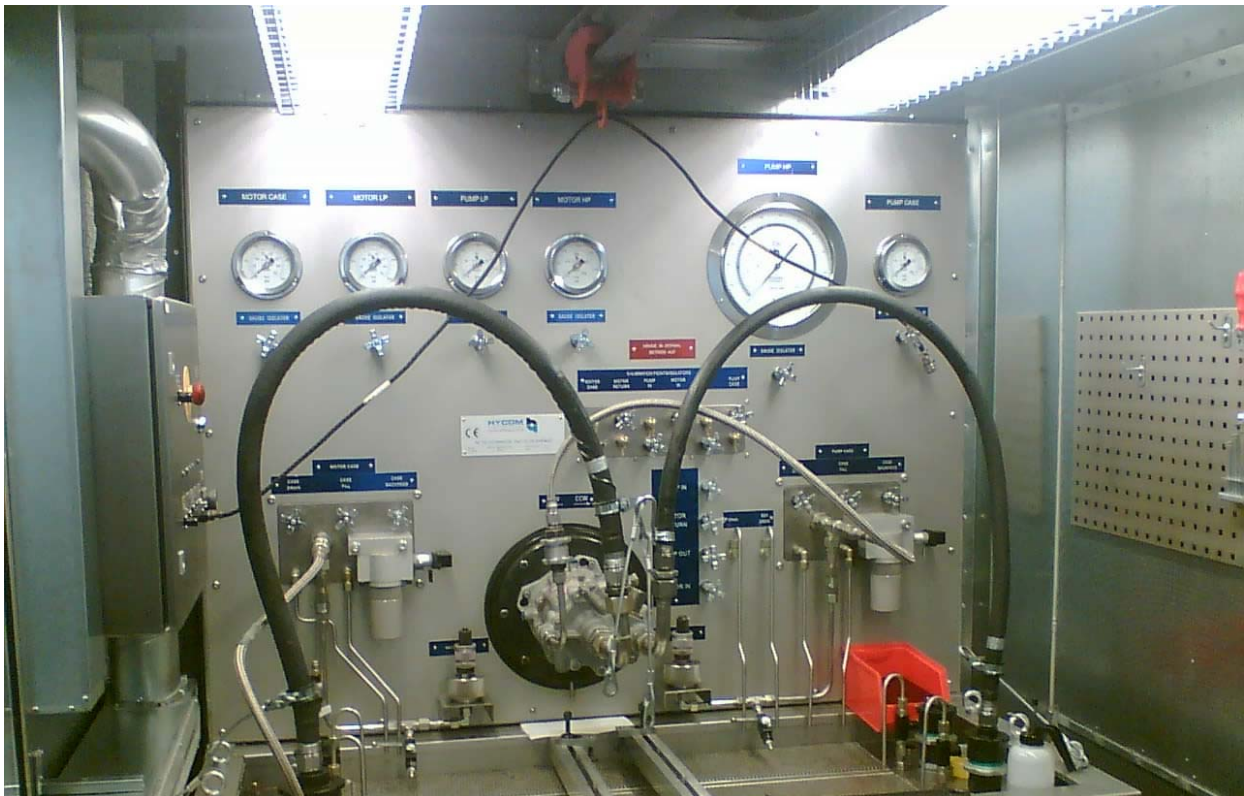


Rotating component test stands

HRCTS-C-160



The test stands are designed to perform maintenance tests according to the CMM of rotating aircraft hydraulic components such as pumps, motors, PTU and AC motor pumps. These systems are fully computerised to provide maximum control efficiency, leading to repeatability of test procedures and accurate test results.

The test stands include following subassemblies:

- Drive/Generator system
- Power pack with accessories
- Test station cubicle
- Electrical cabinet
- Computer control console

HRCTS-C-160

Main technical features

Maximum high pressure	: 350 bar / 5000 psi.
Maximum boost pressure	: 10 bar / 145 psi.
Maximum flow pump/motor test circuit	: 189 ltr/min – 50 USGPM.
Filtration	: HP 3 micron abs/LP 10 micron abs.
Fluid	: phosphate ester or mineral oil based fluids.
Drive power/Speed	: 160 kW / 12000 rpm.
Electric DC	: 0-32 VDC supply for EDV, 0-32 VDC supply for clutch.
Electric AC	: 115-200 VAC - 400 Hz control.
Cooling system	: water.
Control system	: Hycom “Advantouch” control system with manual, semi- and full automatic test mode with report generator.
PLC system	: Siemens S7 serie.
PC system	: most recent industrial type.
Miscellaneous	: A380 pipe circuit for pump test. Safety switch for pressurizing components up to 210 bar / 3000 psi.

Following other versions of the test stand are possible:

- Pump test stand : HPTS
- Pump and motor test stand : HPMTS
- Pump and AC/DCMP test stand : HPMPTS

Hycom model code:

<u>Test stand version</u>	<u>Fluid type</u>	<u>Drive in kW</u>	<u>E/power supply</u>	<u>Design number</u>
HPTS	C = phosphate ester	e.g. 160 kW	e.g. E / 400 V- 60 Hz	38410
HPMTS	L = mineral oil			
HPMPTS				
HRCTS				

Various options can be added on customer's request.



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