

Galiso Cycle Testing System

The Galiso Cycle Testing System is used for cycling cylinders to meet the cycle test requirements of most international standards (ISO, NGV, NZS, ANSI).

The Cycle Rates and Pressures are controllable during pressurization and de-pressurization. The Number of Cycles are programmable to 1,000,000+. Cycle data is saved per cycle allowing stopping and starting of cycles within the same cycle test. Cycles can be viewed in graph format.



- Windows 10 professional PC operator interface and data collection
 - computer networked to PLC control and customer network
- 21" Flat panel display monitor
- Optional Barcode test operation control and cylinder serial number entry
- Test information is easily imported into Excel spreadsheet.
- Test data is stored locally and can be stored on additional network database location.
- .25% Accuracy or better Transducer and Analog Gauge (can be isolated during testing)

Specifications

Console w/ Skid dimensions ... 80" L x 30" W x 56" H.
Electrical Components 110v / 60hz or 220v 50/60hz
Motor 440-480v 3 phase 50/60hz
(Optional in other voltages)



22 Ponderosa Ct

Montrose, CO 81401

www.galiso.com (800)854-3789

Model	Motor Size	Pressure	GPM/LPM
GCT75-6,000	75HP	6,000psi/414Bar	17.2 / 65.1

This Cycle Test System is configured to control maximum 1 Cycle test station which 2 pumps for added volume. Cycle frequency is controllable up to 15 cycles per minute within system pressure. Cycle results are documented in chart form showing pressure verses time by cycle number. The Cycle Test System incorporates PLC and computer technology to provide fast, accurate, reliable cylinder cycle testing. The flexible platform with PLC controls accommodates a variety of system component options.

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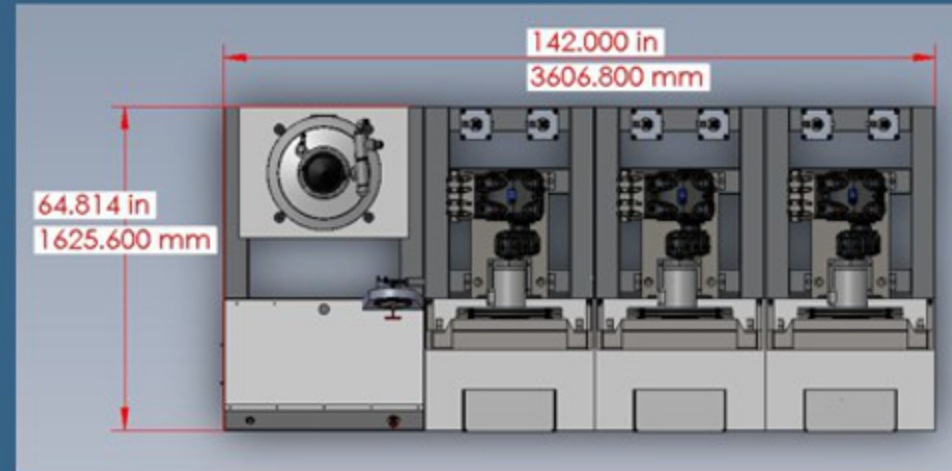
Model	Motor Size	Pressure	GPM/LPM
GCT5-.5	5HP	500psi / 35Bar	4.2 / 15.9



Cycle frequency is controllable up to 15 cycles per minute within system pressure. Cycle results are documented in chart form showing pressure verses time by cycle number. The Cycle Test System incorporates PLC and computer technology to provide fast, accurate, reliable cylinder cycle testing. The flexible platform with PLC controls accommodates a variety of system component options.

Galiso Cycle Tester

- Windows 11 professional PC operator interface and data collection computer networked to PLC control and customer network
- 21" Flat panel display monitor
- Optional Barcode test operation control and cylinder serial number entry
- Test information is easily imported into Excel spreadsheet.
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Specifications

Console w/ Skid dimensions ... 142" L x 64.8" W x 56" H.
Electrical Components 110v or 220v 50/60hz
Motor 460v 3 phase 50/60hz 60Amps x 3
Air ... 7-10cfm @ 90psi
Water Supply ... 2.75 – 3 Bar

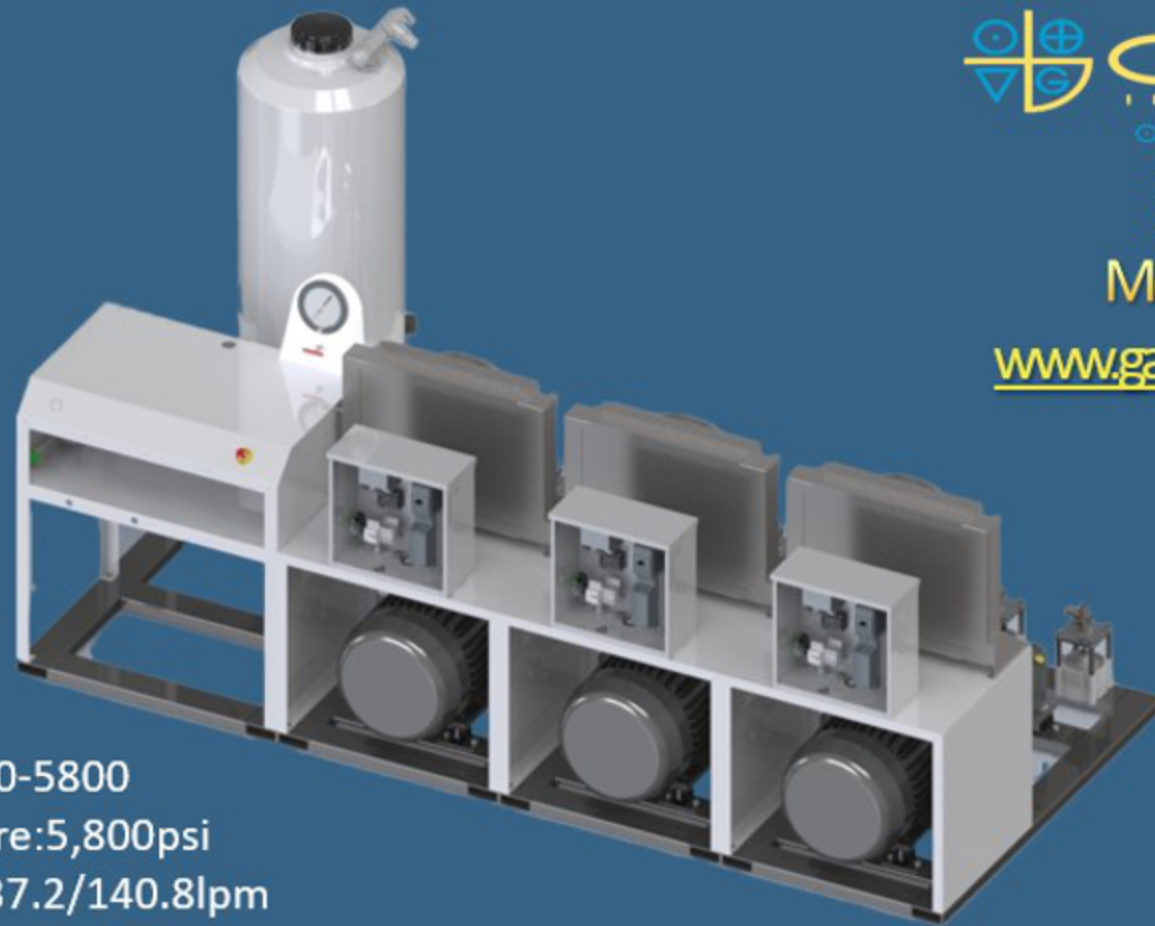
Reservoir 280L
(Larger Available)



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GCT150-5800

Pressure:5,800psi

Flow: 37.2/140.8lpm

Medium: Water

GCT50-5800

Pressure:5,800psi

Flow: 12.4gpm

Medium: Water

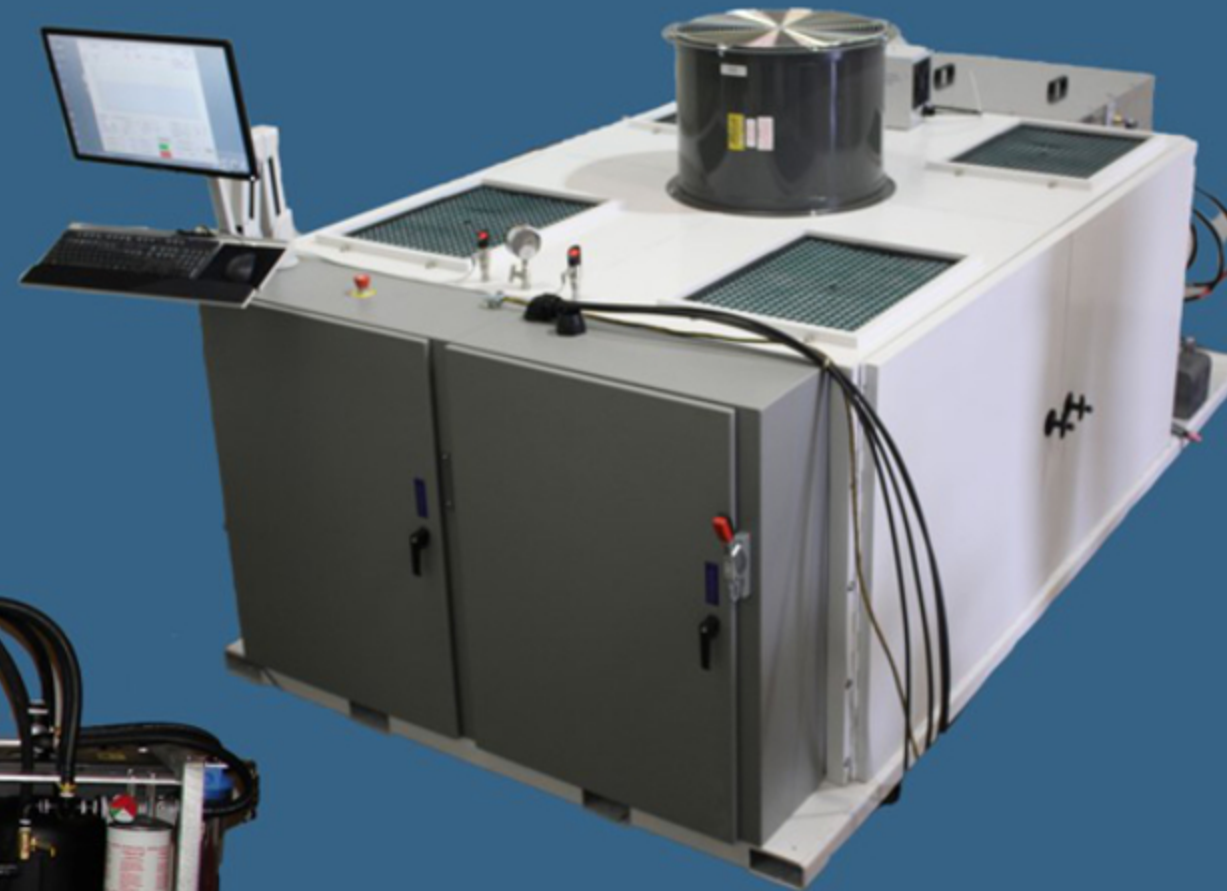
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GCT Cycle Testers

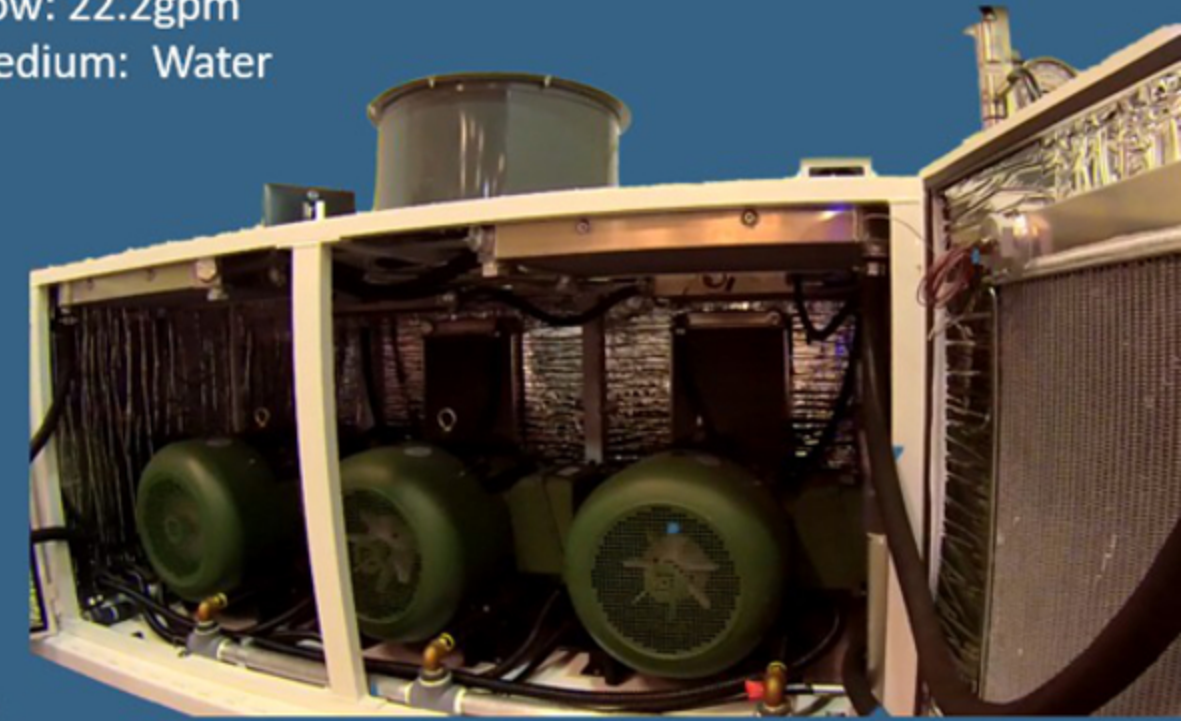


GCT50-16K
Pressure:16,000psi
Flow: 4gpm
Medium: Water

GCT150-7,500
Pressure:7,500psi
Flow: 30gpm
Medium: Water

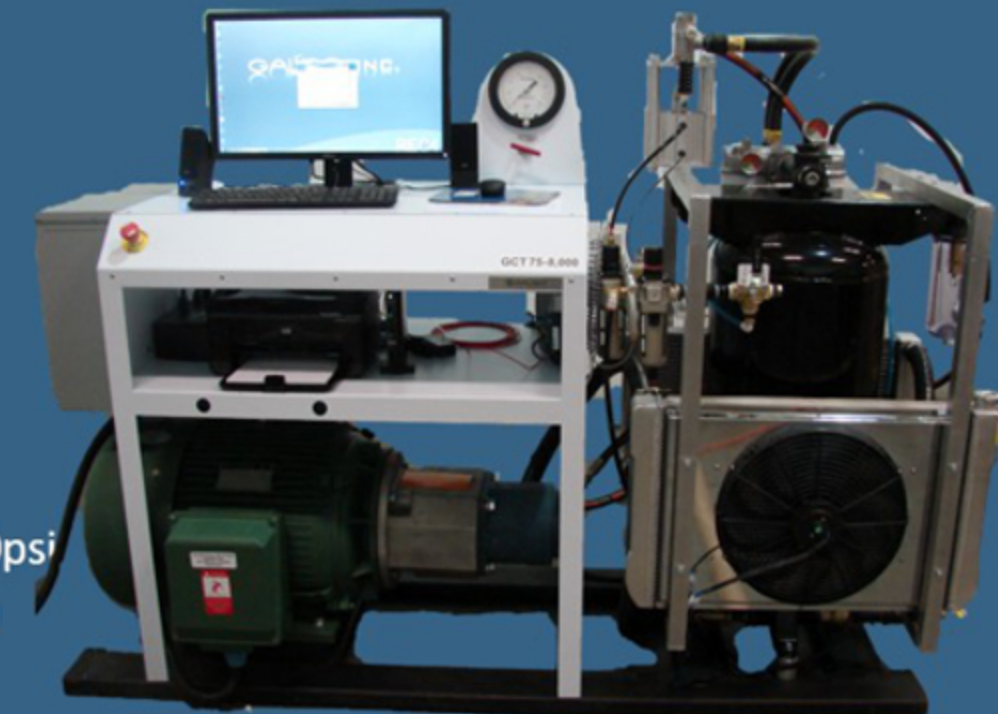


GCT225-15,000
Pressure:15,000psi
Flow: 22.2gpm
Medium: Water



GCT75-6k
Pressure:6,000psi
Flow: 17.2gpm
Medium: Oil

GCT75-8k
Pressure:8,000psi
Flow: 13.7gpm
Medium: Oil



Software Screen gives you the following information:

Cycle Test Time – Overall Time the cylinder has been cycling

Pressure – Actual And Graphed

Cycles per minute – Avg Cycles per minute

Cylinder Identification / Lot Number

Test Remarks

Hold Time – Time cylinder is held at Test Pressure

Wait Time – Time to wait before pressurizing next cycle

Bleed Rate – Adjustable pressure drop (psi/sec)

Rate – Adjustable Pressure Increase (psi/sec)

Cycle # - Shows how many cycles out of total cycles

Target Press – Cycle Target Pressure (Psi/bar/any pressure unit)

Bleed Press – Cycle low end Pressure

Temp – Temperature thermocouple normally attached to cylinder

Oil Temp – Oil Temp at reservoir

Temp Max – Maximum Temperature before pump shutdown (user input)

Temp Min – Minimum Temperature before pump shutdown (user input)

All Data Ready – This is information verification before test can start.

missing information will not allow test to be initiated. (Verbal and visual alert)

Pressure – Actual Target Pressure Based on allowable percentage over target.

Restart – Used to restart when a test has been stopped before # of cycles have been reached

Pump On – Software control of Pump

Start – Is in Bold and used to start the cycle when All Data is Ready and Pump is on

Stop – Stops cycling of the cylinder

ETC – Estimated time to completion

Pressurize – Time to reach pressure

E/P PSI – Electropneumatic Regulator PSI

Trans Scale – Allows for scaling of transducer. Supervisor control only.

Monitor Pressure Leaks – Looks for predescribed amount of pressure drop at test pressure

Press Offset – Span offset of transducer

Use Previous Test Data – Allows for data from previous test to be used

(Screen captures from testing of systems)

