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 Dyno Systems

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Setting The engine testing Standards for the future

## DEPAC Auto Dynamic Load (ADL) Controller:

Dec 2005

This is NEW Technology to Control Water Brakes for Engine testing. The ADL is Based on Stabilizing Torque Control and Not on PID Speed control. Indirectly, speed control is achieved by First improving the overall dyno stability. Our New Technology can be applied to Improve All current water brakes.

UPGRADES for Froude, Stuska®, Go-Power, and most similar Water Brakes.

### Upgrade Package for Stuska 800 Dyno Complete Kit of Parts



**A very smart system** that uses only One simple inlet flow control valve.

Very Smooth Loads and **Very smooth** Natural Torque Sweeps.

**One hand operation**, when using a Test/Sweep button on the throttle.

**Very consistent Loads** to enhance your 'feel' when engine is not running right.

**Warm-Up** or Break-in Mode. No PID type adjustments required.

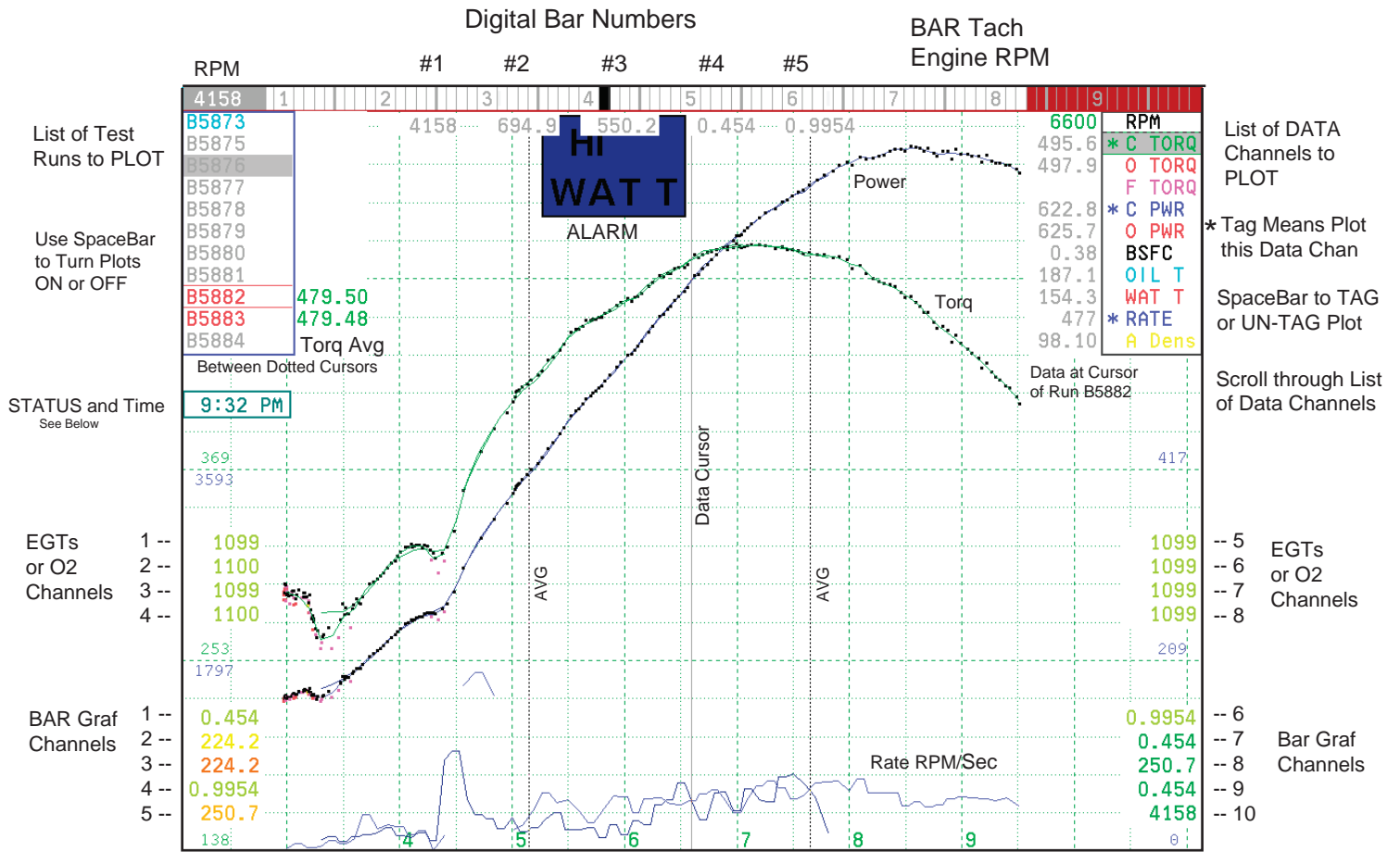
**Emergency Shutdown** when using external Ignition/Fuel cut-off relay.

**Accurate Speed Hold Mode** for engine mapping.

MANY Future Options that can be added for enhanced performance + Simulation.

**Current Cost:** Stuska® 800 Dyno \$5450. \$4950 for most single rotor dynos.

DTS Dyno Upgrade Package (DEPAC + ADL Control) \$14,950.00



STATUS shows the Time in Colors

- Grey = Normal
- Green = Test ON
- Orange = End Test
- CF HOLD ON Shows as Purple

Colors of the BAR Graf and EGT Channel Numbers change with Value

- Purple = Very High
- Red = High value
- Yellow = Caution
- Green = Normal
- Blue = Low Value

## LINK Version 3 All-in-One GrafPlot

### DEPAC does Not Filter Data or Smooth Curves !

- DEPAC is Laboratory Precision Dyno Instrumentation capable of showing you very small changes in engine performance or show what an engine is doing wrong.
- DEPAC is a Serious Tool for advanced engine development. If you can't 'see' changes then how can you make any difference.

#### BASIC Packages Start at \$11,000 Includes:

- Strain Gauge Torque Sensor.
- Quality Turbine Fuel Flow Sensor
- Oil/Water Temp Sensors
- Correction Air Factor Probe
- 8 EGT Probes and Plug Box
- Tachometer sensor
- Very Advanced Version 3 LINK PC Program.
- DEPAC Advanced Technology for Extreme accuracy.
- MANY Options up to 95 Channels of Quality Information