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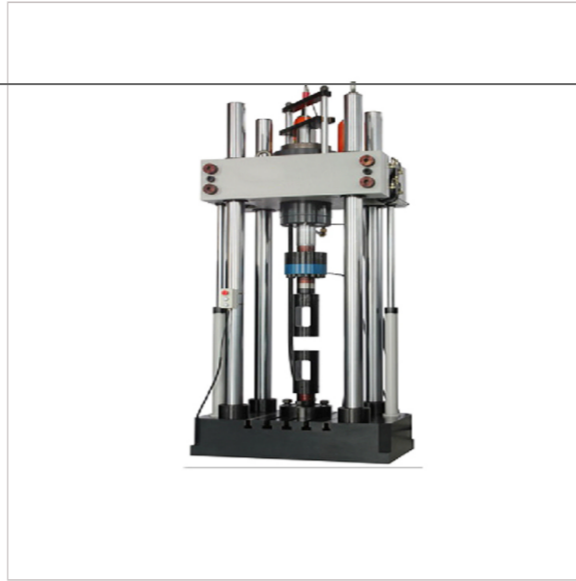
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**High temperature gas corrosion testing machine**

**Product description:**

High temperature gas corrosion testing machine



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**Introduction:**

High temperature gas corrosion testing machine is used for metal materials, parts, components, components and other metal materials, non-metallic materials, alloy materials, composite materials, under the combined action of persistent tensile stress (working stress, thermal stress, residual stress, etc.) and corrosive medium Constant rate tensile test, enduring tensile test, constant load creep test, corrosion fatigue test, corrosion stress cracking compression, corrosion crack growth test, crack growth test test and research.

**Application:**

Applicable metal, pipe fittings, components (casing, tubing, plain end casing, liner, short section, welded steel pipe, seamless steel pipe, buried pipe, condenser tube, brass, aluminum alloy, stainless steel, steel cable, high pressure Gas cylinders, steel cylinders).

Simulated environment (transporting oil and gas, drilling, logging, workover, formation fracturing process, ocean, space, underground, mine).

- Corrosion Fatigue Test;
- (SSRT) Slow strain rate test;
- Sulfide stress corrosion test (SSC);
- Stress corrosion test (SCC);
- Hydrogen-induced cracking test (HIC);
- Slow strain rate stress corrosion test (SSRT);
- Stress-directed hydrogen induced cracking test (SOHIC);
- Full metal immersion test for uniform corrosion;
- Corrosion resistance test;
- Pitting corrosion test;
- Intergranular corrosion test;
- Crevice corrosion test;
- Galvanic corrosion test;
- High temperature and high pressure corrosion test

**Technology parameter:**

Model	HST-300	HST-500	HST-1000
Load Capacity (kN)			
Static	300	500	1000
Dynamic	300	500	1000
Frame	Four columns		
Measurement	Load		
Accuracy	±1.0% of Reading		
Displacement	±1% FS of Each File		
Deformation	±1% of Reading		
Range Of Frequency	0.01 ~ 15Hz /20Hz/30Hz		
Amplitude(mm)	±50		
Effective width between Columns(mm)	650*500	850*600	950*700
Test space(mm)	1000	1500	1500
Compression plate diameter size(mm)	200mm		
Resolution of displacement, (mm)	0.001		
Resolution of loading, (kN)	0.001		
Power supply	380V , 50hz, three phase		

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