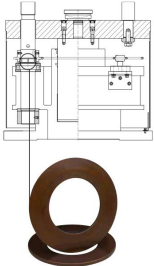
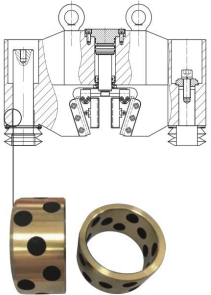
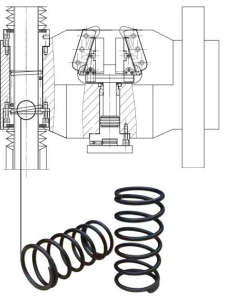
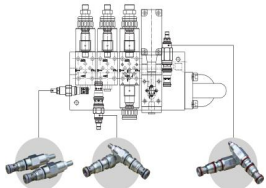


Video: <https://youtu.be/-RIFnamPX0k>

Item	HST/KASON Group	Other companies	Features
I. Main machine			
Picture			The host and the oil source are integrated with the concave and convex design, which is beautiful. The whole plate of the oil source table and the main table of the host is fixed to the work surface. It is durable and can ensure the operation of the equipment and the accuracy of the force.
Ergonomics			It is also used the concave design in the vertical direction of the base, which reduces the level requirement of the customer's foundation. The concave design of the oil source part makes the oil source more stable on the ground and improves the aesthetics of the oil source control cabinet.
Lead screw dust cover			Prevent foreign objects and dust from entering the precision lead screw, and improve the durability of the screw and drive mechanism

Upper and lower jaw support & specimen clamping method			HST Group: built-in clamping device, the specimen clamping is more stable, and the specimen breaking neutral will be better. Other compaines: External clamping device, small clamping force, uneven clamping speed, easy to hurt the experimenter
Base			Patented technology: The integrated design of the cylinder base improves the overall rigidity of the base of the equipment, effectively increasing the overall rigidity of the test machine and reducing the noise effect.
Safe protect cover		No	Three-sided fully enclosed safety shield prevents the iron filings from flying out during the test, improves the personal safety of the experimenter, and observes the tensile condition of the specimen in real time.
Shock absorption and noise reduction device		No	The lower end of the screw sprocket is equipped with a shock absorption and noise reduction device, which can effectively buffer the impact force and thus reduce the noise.
Self lubricating bearing		No	It is equipped with graphite self-lubricating bearing, which has good wear resistance, small friction coefficient and long service life. Guarantee the working accuracy of the machine.

Backlash structure		No	HST patented design: effectively eliminates the gap between the tension nut and the lead screw, so that a certain pre-tightening force is generated between the tension nut and the drive screw, which ensures the synchronization of the force and the neutrality of the sample. Avoid moving the beam to tilt during stretching
Installation convenience		No	The design of host level adjustment structure, the customer's adjustment of the test machine host level. The position of the fuel filler port and the oil drain port are designed to facilitate the customer to
II. Parameter part (Can be customized according to models)			
Tensile space	950mm	620mm	Can effectively perform stretching of shorter to longer specimens
III. Oil source control part			
Oil source design			The entire steel plate is directly mounted and fixed to the workbench, which improves the firmness, durability and ease of use, and eliminates the noise generated by the sample.
Manual control box		No	Stainless steel hand control box: more durable, can control the rise and fall of moving beams and cylinders, clamping and loosening of jaws Other companies: none

Power strip, oil pressure indication, computer USB connection		No	The side of the oil source control cabinet is equipped with a three-station plug to provide stable power for the computer mainframe, display and printer. The pressure gauge is divided into clamping pressure and system pressure, which can indicate the working pressure in real time.
IV. Control and software			
External independent controller		PCI plate card	The external independent controller replaces the traditional test machine PCI or PCIE board and power amplifier. It effectively avoids data loss caused by computer damage or loss, saves maintenance costs, and is more convenient to install and replace; USB communication between controller
USA SUN Cartridge valve		Superimposed hydraulic valve	The use of the US SUN cartridge valve effectively reduces the probability of oil leakage in the hydraulic system and improves the stability of the hydraulic system.
Equipment operation monitoring system		No	Equipped with monitoring system: provides a stable output power. When the power supply is abnormal (missing phase, wrong phase sequence, wrong wiring) the indicator light of the monitoring system will be off
DV			Customers can add cameras, the software has a recording function: can effectively record and play back the entire test experiment process