

Instru-Met Remanufactured Instron™ Model 4500 Series Frames

Models 4501, 4502, 4505

At Instru-Met, we remanufacture the 4501, 4502 and the 4505 series Instron Test frames. These materials testing systems provide the user with comprehensive, versatile solutions for the broadest range of testing materials. All test frames that we remanufacture are provided with a highly advanced digital crosshead control drive system. All test frames are provided with position control as a standard and strain rate and load rate control as added options. The basic jog controls are replaced with a multifunction handset adding thumb wheel positioning for precise gage length positioning and an LCD display for remotely displaying live load cell readings, live crosshead position and other test results data. Load cells and grip adapters are precision machined and piloted into the crossheads to ensure the maintenance of the tight alignment tolerances built into the machine. We offer a Windows based materials testing software packages with standard ASTM tensile, compression and flex methods built in and fully customizable. We offer a complete selection of software and hardware options to tailor the systems for any ASTM or custom testing requirement.



Add New Life to Your Test Frame

- ◆ Service and Parts on all Instron™ load frames
- ◆ Direct Replacement of Load Cells
- ◆ A2LA accredited calibrations available
- ◆ Accessories-Grips- Fixturing- Custom Machinery
- ◆ Load Cells Repair

OTHER ACCESSORIES

LOAD CELLS • GRIPS & FIXTURES • FULL INVENTORY OF "OBSOLETE" INSTRON™ PARTS • COMPLETE LINE OF INSTRON™ REPLACEMENT LOAD CELLS

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INSTRU-MET REMANUFACTURED INSTRON™ MODEL 4500 SERIES FRAMES

The frames are completely disassembled and all parts are inspected for damage or wear. All internal and external wiring is replaced, any damaged sheet metal is replaced including covers or structural components. The clutches, if applicable, are either replaced or rewound. The screws are reconditioned as necessary. All belts and bearings are replaced, a new high resolution position encoder is installed both on the motor and the screw if a multi speed gear box is used. All visible sheet metal is either stripped and powder coated or industrial liquid coated, a texture finish is applied to assure a long lasting finish for the industrial environment. All components used are of commercial grade and kept in stock at Instru-Met for rapid replacement if needed. This is done because we service and maintain what we sell.

Please call us for available inventory and “No Down Time Turnaround” on your 4500 series test frames.

Specifications

	4501	4502	4505
Frame Design	Table Top Model	Table Top Model	Floor Model
Capacity	1,100 lbf.	2,200 lbf.	22,000 lbf.
Speed Range	0.002 to 40 in/min 0.05 to 1000 mm/min	0.002 to 40 in/min 0.05 to 1000 mm/min	0.00004 to 40 in/min 0.001 to 1000 mm/min
Crosshead Return	Variable	Variable	Variable
Power Required	115VAC 15A	115VAC 15A	220VAC 15A Single Phase
Crosshead Travel	50 in. less fixturing	50 in. less fixturing	50 in. less fixturing
Column Separation	16 in.	16 in.	22.5 in.
Operating Temperature	10 to 38° C (50 ° to 100°F)		

Software Options

We are partnered with an innovative software program that allows you to:

Streamline your procedures and operations

Customize each software function to meet your requirements

Expand your testing capabilities

Simplify testing for your company and staff

Call us today to review our computer hardware/software package