



EIE INSTRUMENTS PVT. LTD.
(An ISO 9001:2015 Certified Company)

COLD CRUSHING STRENGTH (CCS) TESTING MACHINE FOR PETCOKE



Features:

- Load Capacity: 2000 kN (200 Ton)
- Servo-controlled or motorized hydraulic operation
- Digital display with peak load hold and data logging facility
- Automatic loading rate control ensures uniform stress application
- Rigid steel frame with safety enclosure window
- Hardened, ground platens for accurate and parallel load application
- Optional PC interface for graph plotting and data storage

Applications:

- Testing of carbon paste, ramming mass, and calcined petroleum coke (CPC) materials
- Quality control in electrode and cathode block manufacturing
- Evaluation of mechanical integrity and density of baked carbon products
- R&D; characterization for carbon and refractory materials

Standards Followed:

- ASTM C133, ISO 10059-1, IS 1528 (Part 4): 2010 These international standards outline the method for determining Cold Crushing Strength (CCS) of dense shaped refractory and carbon products.

Note:

- Specifications can be customized as per client requirements. Machine can be supplied with optional PC connectivity and software for automated test result recording and analysis

Technical Specification

•Load Capacity	: 2000 kN (200 Ton)
•Load Range	: 150 – 300 kg/cm ² (15 – 30 MPa)
•Sample Shape	: Cylindrical or Rectangular Block
•Sample Size	: 50 mm dia × 50 mm height / 50 × 50 × 50 mm cube
•Loading Rate	: 0.5 MPa/sec (adjustable)
•Display Type	: Digital with peak hold and calibration mode
•Accuracy	: ±1% of indicated load
•Power Supply	: 230 V AC, 50 Hz, Single Phase

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