



Electric Furnace

Machine Make	M G Furnace
Machine Specification	
Use	To find Compression Shear, Tensile Shear, Transverse Strength of Sand
Outer Dimensions	800 mm* 1000 mm* 1200 mm (L*W*H)
Crucible Dimensions	Dia. 200 mm * Height 300 mm
Capacity	Lead 35 Kg Zinc 30 Kg Aluminium 10 Kg Brass 32 Kg Cast Iron 20 Kg
Max. Temperature	1350 C
Insulation Thickness	120 mm
Insulation Type	1 st Layer – Ceramic Board 2 nd Layer – Cold Face 3 rd Layer – Hot Face
Power	6 KW, 220 V, single phase, Electric
Heating Elements	Silicon Carbide heating element
Temperature controller	Electronic Digital PID automatic Temperature Controller indicator up to 1400 C



Digital Universal Strength Machine

Machine Make	KELSONS Testing Equipments
Machine Specification	
Use	To find Compression Shear, Tensile Shear, Transverse Strength of Sand
Attachments	Compression, Tensile, Transverse Shear
Capacity	15 kg/cm ²
Mechanism	Motorised
Output Type	Digital Strength Indicator
Load Cell	1000 kg
Digital Pressure Indicator	0-50 kg/cm ²
Input Voltage	230 Volt, Single Phase, 1/6 Hp
Compression Strength	50 kg/cm ²
Shear Strength	40 kg/cm ²
Tensile Strength	200 kg/cm ²
Transverse Strength	2000 kg/cm ²



Machine Make KELSONS Testing Equipment

Machine Specification

Use	To determine the shatter index of moulding Sand
Pillar Height	2000 mm
Parts	Pillar, Top Housing, Anvil, 12.5 mm sieve, Lid, Pan
sieve dia.	300 mm

Shatter Index Tester Machine



Machine Make B.S. PYROMATIC RTDELS (P) Ltd.

Machine Specification

Use	To find Compression Shear, Tensile Shear, Transverse Strength of Sand
Attachments	Compression, Tensile, Transverse Shear
Capacity	15 kg/cm ²
Mechanism	Hydraulic
Output Type	Strength Indicator

Hydraulic Strength Machine



Machine Make	KELSONS Testing Equipment
Machine Specification	
Use	To find out AFS (Fineness No.) of Sand
Motor	1/8 Hp Single Phase
Sieve Set as per ISS	53, 75, 106, 150, 212, 300, 425, 600, 850, 1700 Micron
Diameter	200 mm
Timer	0-15 Min.

Sieve Shaker Machine



Machine Make	KELSONS Testing Equipment
Machine Specification	
Use	To determine the Mouldability index of Green Sand
Parts	Sieve Drum, 9.5mm Sieve, Timer, Infra-Red Lamp, Pan
Motor	1/8 Hp Single Phase
Length	585 mm
Width	660 mm
Height:	915 mm
Weight	17 kgs.

Mouldability Tester



Machine Make **KELSONS Testing Equipment**

Machine Specification

Use	To determine the Porosity in Raw Sand, Green, <u>Nobake</u> Sand
Parts	Air Tank, Water Tank, Manometer Unit, Permeability Chart, 2 Orifices and Syphon Unit
Length	300 mm
Width	300 mm
Height	400 mm
Weight	15.2 Kg

Permeability Tester Machine