

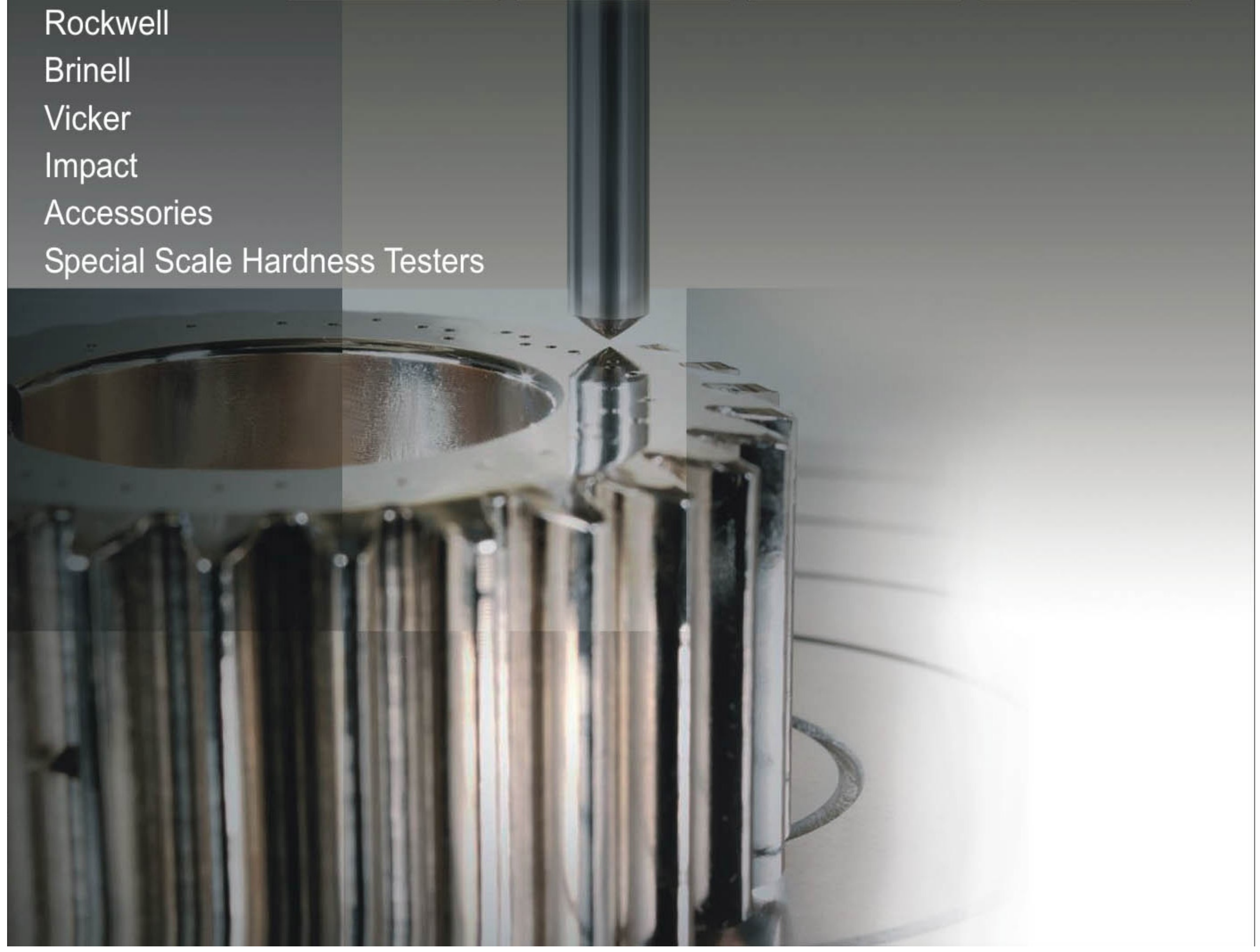
When You Think Foundry...Think KELSONS

**KELSONS**<sup>®</sup>  
METALLURGICAL EQUIPMENT

## Advanced Metal Testing Technologies



Universal  
Rockwell  
Brinell  
Vicker  
Impact  
Accessories  
Special Scale Hardness Testers





## Rockwell Hardness Testers



Technical Data : ROCKWELL HARDNESS						
MODEL	UNIT	RAS	RASM	RAB-1	RAB-250	TWIN
Load	kgf.	60, 100, 150	60, 100, 150	60, 100, 150, 187, 5 250	60, 100, 150, 187, 5 250	15, 30, 45 (Rockwell Superficial) 60, 100,, 150 (Rockwell)
Initial Load	kgf.	10	10	10	10	3 (Rockwell Superficial) 10 (Rockwell)
Max. test Height	mm.	230	230	230	330	330
Depth of throat	mm.	133	133	133	133	150
Max. dept of elevating screw below base	mm.	240	240	240	355	355
Size of base (Approx)	mm.	170 x 430	170 x 430	170 x 430	210 x 474	210 x 474
Machine Height (Approx)	mm.	655	655	655	850	850
Nett Weight (Approx)	kg.	65	65	65	100	100



## Brinell Hardness Testers



B 3000 (O)



B 3000 (J)



B 3000 (H)

### Technical Data : BRINELL HARDNESS

MODEL	UNIT	B 3000(O)	B 3000(J)	B 3000(H)
Load		500 to 3000 in Stages of 250	500 to 3000 Stages of 250	500 to 3000 Stages of 250
Initial Load	kgf.	Nil	Nil	250
Max. test Height	mm.	380	254	410
Depth of throat	mm.	200	150	200
Max. dept of elevating screw below base	mm.	180	0	180
Size of base	mm.	370 X 670	255 X 495	370 X 670
Machine Height (Approx)	mm.	1185	860	1127
Net Weight (Approx)	mm.	500	210	450
Drive Motor	HP	0.33 - 415v/p	Nil	0.33 - 415v/p



## Vicker Hardness Tester

## Impact Testers



### Technical Data : VICKER HARDNESS

Test loads	5, 10,20,30,50 kg.
Magnification of optical projection	70*
Max.Test Height (mm)	200
Scale least count(mm)	0.001
Depth of throat(mm)	133
Dimensions of machine(mm)	L-585*W-290*H-860
Weight (Approx)	73kg.
Power Supply	220v AC, 50Hz, 1-phase

### Technical Data : IMPACT

MODEL	IT-30	IT-30 (D)	IT-30 (ASTM) Charpy Test	IT-1.5	IT-0.5
Maximum Capacity	300 J/ 168 J	300 J/ 168 J	300 J	15 J	5 J
Maximum Scale Graduation	2 J	0.5 J	2 J	0.1 J	0.05 J





## Universal Testing Machine UTM-E 40



### Technical Data : UNIVERSAL TESTING M/C

MODEL	UNIT	UTE-10	UTE-20	UTE-40	UTE-60	UTE-100	UTE-200
Maximum Capacity	kN	100	200	400	600	1000	2000
Measuring Range	kN	0-100	0-200	0-400	0-600	0-1000	0-2000
Load Resolution (20,000 counts full scale)	N	5	10	20	30	50	100
Load Range with accuracy Of measurement $\pm$ 1.0%	kN	2 to 100	4 to 200	8 to 400	12 to 600	20 to 1000	40 to 2000
Resolution of piston movement (Displacement)	mm	0.1	0.1	0.1	0.1	0.1	0.1
Clearance For Tensile at Fully descended working piston	mm	50-700	50-700	50-700	50 -800	50-850	50-900
Clearance For compression test at Fully descended working piston	mm	0-700	0-700	0-700	0-800	0-850	0-900
Clearance between columns	mm	500	500	500	600	750	850
Ram Stroke	mm	150	200	200	250	250	300
Straining/Piston speed (at no load)	Mm/min	0-300	0-150	0-150	0-100	0-80	0-45



## Universal Testing Machine

UTM- 40



Manufacturers & Exporters :

## **KELSONS METALLURGICAL EQUIPMENT**

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