

**HOFMANN  
ENGINEERING**

## PORTABLE SPECTROANALYSER

*Since 1969 Hofmann Engineering has provided specialist engineering services to Australia's industry leaders.*

*Quality Assurance accreditation by Bureau Veritas complements our total quality culture.*

*Our commitment to continuous quality-improvement touches every aspect of our products, services and customer support.*

**HOFMANN ENGINEERING PTY LTD**

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## Spectroanalyser

Hofmann Engineering's mobile alloy analyser uses a Non Destructive Testing method to identify material grades on the spot, & at any location!

### Hofmann's Spectroanalyser can analyse & identify the following material groups:

- Low alloy steels.
- Tool Steel.
- Stainless Steel.
- Aluminium Alloys.
- Copper Alloys.
- Nickel Alloys.

### Hofmann's Spectroanalyser offers:

- Fast analysis and sorting (within five minutes of set up).
- Analyses material as small as 20mm dia.
- Accurate carbon analysis.
- Consistent results on repeat testing.
- Convenient mobility.
- Comprehensive alloy database.
- An easy to read report (email or hard copy results available).

### For Industries Including:

- Engineering manufacturing.
- Refineries.
- Aviation.
- Steel stock yards.
- Inspection.



GRADES	Grade mode: CARBON AND LOW ALLOY STEELS (I+4s)	8400000000 AM HF		
Measurement name:	Host/Drum	1 result in average calculations		
AISI 4140				
AISI 4150				
XKS 150(S) (Spring St)				
K5 1600 (S) (Spring St)				
XKS 1600(S) (Spring St)				
AISI 4130				
AISI 6150				
Disiplane 80				
AISI 4118				
AISI 4120				
AISI 8620				
AISI 8840				
AISI 9440				
AISI 9437				
AISI 1040				
AISI 1140				
AISI 1050				
36CrNiMo4				
AISI 1070				
K1070S (Spring St)				
8344				
Element	Average	StDev	Min.	Max.
Fe	97.17	0.000		
C	0.428	0.000	0.38	0.43
Si	0.243	0.000	0.15	0.35
Mn	0.803	0.000	0.75	1
Cr	0.875	0.000	0.8	1.1
Ni	0.048	0.000	0	0.25
Mo	0.181	0.000	0.15	0.25
Cu	0.189	0.000	0	0.35
Al	0.028	0.000	0	100
V	0.000	0.000	0	100
W	0.000	0.000	0	100
Ti	0.009	0.000	0	100
Nb	0.003	0.000	0	100
B	0.000	0.000	0	100
S	0.022	0.000	0	100
P	0.019	0.000	0	100

### Do you have any materials that you need identifying?

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