

Die Cast Machinery, LLC Inventory number: DCM-5434

Used Bruker Model: Q4 TASMAN 20 Channel Arc/Spark Optical Emission Spectrometry (OES) analyzer Metal Analytic Spectrometer

Status:	Sold
Manufacturer:	Bruker
Model:	Q4 TASMAN
Size:	20 Channel
Inventory Number:	DCM-5434

Bruker - Q4 TASMAN 20 Channel Arc/Spark Optical Emission Spectrometry (OES) analyzer Metal Analytic Spectrometer, Controls

[View this machine online: DCM-5434](#)



Specifications

	U.S. Standard	Metric
Model:	Q4 TASMAN	Q4 TASMAN
Current Baseline Element:	Lead and Tin	Lead and Tin
Number of Channels:	20	20
Elements Inspected:	Sn, Sb, Bi, Cu, As, Ag, Ni, Cd, Zn, Te, :	Sn, Sb, Bi, Cu, As, Ag, Ni, Cd, Zn, Te, Se, Fe, Al

Features & Accessories:

- Materials tested: Lead and Tin methods. All samples were rounded slabs made from material to be tested. Pure Lead and Lead base materials (PbSn Solders, Bearing metals, Sundry alloys).
- Pure Tin and Tin base materials (PbSn Solders, Lead free solders, Bearing metals, Sundry alloys)
- Equipment operates with High Purity Argon gas (Average Consumption 1 bottle 10.2 sqm / month, operating 8 h / 20 days)
- Come with some spare parts: o-rings different sizes, window air optic, brushes, filter pads.
- Service Manual – Bruker elemental Q4 Tasman Documentation and software backup CD - Log book (Calibrations).

Terms of Sale:

Price: [sold](#)

Shipping Terms: Ex-works

Questions? Call (847) 360-9170 and mention DCM-5434.

Photos - DCM-5434

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[Photo 2 of DCM-5434 - view online](#)



[Photo 3 of DCM-5434 - view online](#)



[Photo 4 of DCM-5434 - view online](#)

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Sn

Tauman 200	LOD	Sn - Global Sn180		Sn - Global + Binary Sn 101		Sn - Pb Free & Pure Sn110		Sn - Sb/Cu Alloy Sn 120		Sn - Pb Alloy Sn130	
Element	ppm	min %	max %	min %	max %	min %	max %	min %	max %	min %	max %
Pb	1.0	0.00050	65.00	0.01000	70.00	0.00010	0.33	0.00020	3.50	0.00000	70.00
Sb	2.0	0.00500	15.00	0.05000	15.00	0.00050	0.16	0.00000	15.00	0.00200	0.65
As	15.0	0.00200	0.60	0.01000	0.60	0.00200	0.07	0.00200	0.60	0.00200	0.30
Bi	1.0	0.00100	0.70	0.02000	33.00	0.00100	0.12	0.00010	0.70	0.00000	0.03
Cd	1.0	0.00100	1.30	0.01000	20.00	0.00100	0.05	0.00020	1.50	0.00000	0.01
Mo	1.0	0.00050	0.07	0.00500	0.60	0.00100	0.06	0.00010	0.07	0.00010	0.01
Hg	1.0	0.00100	0.06	0.10000	17.00	0.00050	4.50	0.00010	0.90	0.00100	0.07
Cu	1.0	0.00050	9.60	0.01000	9.60	0.00050	1.20	0.00000	9.00	0.00050	0.23
Al	1.0	0.00050	0.07	0.00500	0.50	0.00050	0.07	0.00010	0.00		
Fe	1.0	0.00050	0.10	0.00010	0.10	0.00010	0.07	0.00020	11.00	0.00050	0.05
Ni	1.0	0.00050	1.20	0.00050	1.10	0.00050	0.07	0.00020	0.60	0.00050	0.02
Zn	1.0	0.00050	40.00	0.01000	6.00	0.00050	0.03	0.00010	0.02	0.00050	0.03
Ge	5.0	0.00100	0.53	0.00500	0.55	0.00050	0.55				
Te	2.0	0.00050	0.80	0.00100	0.03	0.00050	0.03			0.00050	0.01
As	1.0			0.00100	0.18	0.00010	0.01			0.00050	0.18
Bi	1.0			0.00050	0.15	0.00050	0.16				
Cu	1.0			0.00100	0.03			0.00050	0.03		
Ga	1.0			0.00010	0.02	0.00010	0.02				
Sn		REF	REF	REF	REF	REF	REF	REF	REF	REF	REF

1. 200 = 200ppm LOD for Pb only. Cu, As, Sb, Bi, Cd, Fe, Ni, Zn, Ge, Te, Ga, Sn are not listed as other alloys.
 2. Above table is for 100% Sn. For other alloys, the LOD is 100% of the alloy.

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Zn

Element	ppm	Zn - Orientation Zn100		Zn - Primary Line Zn110		Zn - Remelt Line Zn120		Zn - Zamar Zn130		Zn - Al 6-16 Zn140		Zn - Al 20-33 Zn150		Zn - Al 35-75 Zn160	
		min %	max %	min %	max %	min %	max %	min %	max %	min %	max %	min %	max %	min %	max %
Pb	50.0	0.001500	3.00	0.001500	0.53	0.001500	2.70	0.001500	0.03	0.01000	0.07	0.001500	0.15	0.001500	0.02
Mg	1.0	0.001500	2.50	0.001500	0.53	0.001500	0.30	0.001500	0.12	0.00050	0.14	0.001500	0.05	0.00050	0.04
Al	20.0	0.001500	75.00	0.001500	0.53	0.001500	1.50	0.00050	7.50	0.00050	16.00	0.00050	33.00	0.00050	75.00
Ca	2.0	0.00200	0.65	0.00020	0.40	0.00020	0.65	0.00020	0.05	0.00100	0.06	0.00020	0.05	0.00020	0.05
Se	30.0	0.00100	2.50	0.00100	0.10	0.00100	2.50	0.00100	0.01	0.00200	0.13	0.00100	0.02	0.00100	0.03
Cu	1.0	0.00100	7.00	0.00050	0.20	0.00020	1.00	0.00100	7.00	0.00050	1.00	0.00050	3.50	0.00100	0.07
Sn	100.0	0.01000	0.25	0.01000	0.18	0.01000	0.25	0.01000	0.07	0.00050	0.14	0.01000	0.40	0.01000	0.20
Fe	20.0	0.00200	0.25	0.00200	1.40	0.00200	0.07	0.00200	0.14	0.01000	0.40	0.01000	0.40	0.01000	0.20
Mn	5.00	0.00020	0.00	0.00050	1.00	0.00020	0.10	0.00050	0.10	0.00100	0.05	0.00100	0.05	0.00100	0.05
Ni	20.0	0.00200	0.06	0.00200	0.01	0.00050	0.01	0.00050	0.01	0.00200	0.05	0.00200	0.05	0.00200	0.05
Ti	20.0	0.00200	0.01	0.00200	0.02	0.00200	0.02	0.00200	0.02	0.00200	0.02	0.00200	0.02	0.00200	0.02
Co	20.0	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01
Bi	20.0	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01
Cd	20.0	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01
Cu	20.0	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01
Ag	20.0	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01
La	20.0	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01
Al	20.0	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01
Li	20.0	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01
Ca	20.0	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01
Li	20.0	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01
Zn	100.0	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF

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[Photo 9 of DCM-5434 - view online](#)



[Photo 10 of DCM-5434 - view online](#)



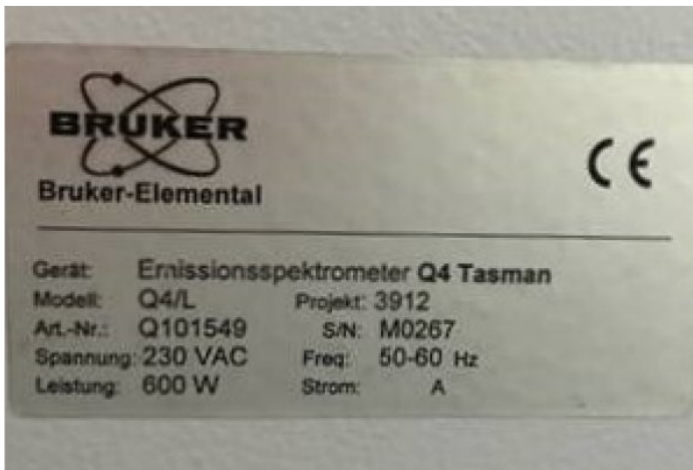
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Description:

Used, Bruker Model Q4 TASMAN 20 Channel Arc/Spark Optical Emission Spectrometry (OES) analyzer Metal Analytic Spectrometer For_Sale, Features Include: Materials tested: Lead and Tin methods. All samples were rounded slabs made from material to be tested. Pure Lead and Lead base materials (PbSn Solders, Bearing metals, Sundry alloys)., Pure Tin and Tin base materials (PbSn Solders, Lead free solders, Bearing metals, Sundry alloys), Equipment operates with High Purity Argon gas (Average Consumption 1 bottle 10.2 sqm / month, operating 8 h / 20 days), Come with some spare parts: o-rings different sizes, window air optic, brushes, filter pads., Service Manual – Bruker elemental Q4 Tasman Documentation and software backup CD - Log book (Calibrations)., controls, second Hand, DCM-5434

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