

Die Cast Machinery, LLC Inventory number ??: 5434

We offer for sale, subject to availability, prior sale and the terms listed below:

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

Model: Q4 TASMAN

**Status: Sold**

## **Specifications:**

## **Metric / U.S. Standard**

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, Se, Fe, Al, Au, In, Na, Hg, Ca, Pd, Pb / Sn, Sb, Bi, Cu, As, Ag, Ni, Cd, Zn, Te, Se, Fe, Al, Au, In, Na, Hg, Ca, Pd, Pb

## **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: [request quotation](#)

Shipping Terms: Ex-works

**Product Photos:**

Click on any image for a larger view



Pb

Tasman 200	LOD	Pb - Orientation Pb100		Pb - Pure Lead Pb110		Pb - Pb/Ag Pb120		Pb - Pb/Sb Pb130		Pb - Solders Pb140	
Element	ppm	min %	max %	min %	max %	min %	max %	min %	max %	min %	max %
Sa	2.0	0.00050	70	0.00020	2.20	0.00010	0.65	0.00030	12.00	1.50000	70.00
Sb	3.0	0.00040	19	0.00030	0.90	0.00030	0.54	2.00000	19.00	0.00030	0.70
Bi	0.1	0.00050	1.2	0.00001	1.20	0.00005	0.55	0.00005	0.25	0.00050	0.35
Cu	0.1	0.00050	0.7	0.00010	0.25	0.00005	0.30	0.00005	0.70	0.00002	0.30
As	0.2	0.00020	1.6	0.00020	0.20	0.00500	0.03	0.00020	1.60	0.00020	0.30
Ag	0.1	0.00050	6.5	0.00001	0.60	0.30000	6.50	0.00002	0.03	0.00010	0.06
Ni	0.2	0.00010	0.04	0.00002	0.00			0.00002	0.10	0.00050	0.03
Cd	0.2	0.00050	20	0.00002	0.01	0.00005	0.50	0.00005	0.08	0.00005	20.00
Zn	0.1	0.00050	0.1	0.00001	0.05	0.00020	0.01	0.00020	0.10	0.00010	0.02
Te	1.0	0.00020	0.01	0.00001	0.00			0.00030	0.03	0.00020	0.01
Se	3.0	0.00010	0.03					0.00020	0.00	0.00020	0.04
Fe	2.0	0.00020	0.04								
Al	0.1	0.00010	0.06	0.00010	0.06						
Au	2.0	0.00020	0.22	0.00020	0.01					0.00100	0.22
In	0.2	0.00005	0.8	0.00002	0.80	0.00005	0.04	0.00005	0.02	0.00010	0.10
Na	1.0	0.00010	0.02	0.00010	0.02						
Hg	10.0	0.00100	0.06	0.00100	0.06					0.00100	0.06
Ca	2.0	0.00020	1.3	0.00020	1.30						
Pd	1.0	0.00010	0.01	0.00010	0.01			0.00020	0.01		
Pb		REF	REF	REF	REF	REF	REF	REF	REF	REF	REF

Sn

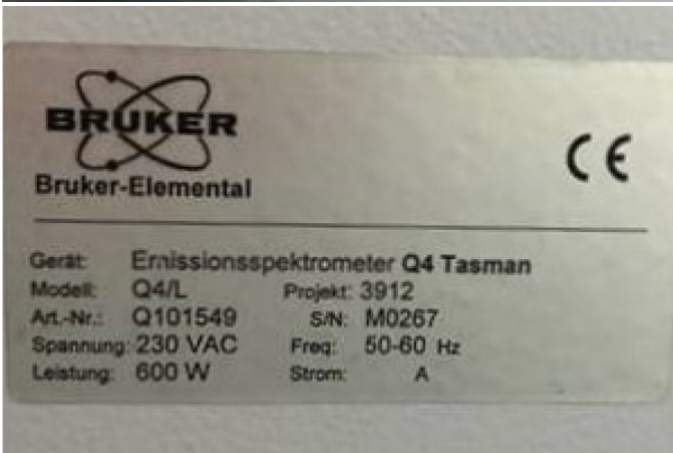
Tasman 200	LOD	Sn - Global Sn100		Sn - Global + Binary Sn 101		Sn - Pb Free + Pure Sn110		Sn - Sb/Cu Alloy Sn 120		Sn - Pb Alloy Sn130	
Element	ppm	min %	max %	min %	max %	min %	max %	min %	max %	min %	max %
Pb	1.0	0.00050	65.00	0.01000	70.00	0.00010	0.33	0.00020	3.50	10.00000	70.00
Sb	7.0	0.00500	15.00	0.05000	15.00	0.00050	0.16	0.00050	15.00	0.00200	0.65
As	13.0	0.00200	0.60	0.01000	0.60	0.00200	0.07	0.00200	0.60	0.00200	0.03
Bi	1.0	0.00100	0.70	0.00200	33.00	0.00100	0.70	0.00100	0.70	0.00100	0.30
Cd	1.0	0.00100	1.30	0.00100	20.00	0.00100	0.05	0.00020	1.50	0.00100	0.01
In	1.0	0.00050	0.07	0.00050	0.60	0.00100	0.06	0.00010	0.07	0.00010	0.01
Ag	1.0	0.00100	3.00	0.00050	11.00	0.00050	4.50	0.00010	0.90	0.00100	0.07
Cu	1.0	0.00050	9.00	0.01000	0.50	0.00050	1.20	0.30000	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
Ga	5.0	0.00100	0.15	0.00500	0.55	0.00050	0.55				
Te	2.0	0.00020	0.60	0.00100	0.03	0.00050	0.03			0.00050	0.01
Au	1.0	0.00050	0.18	0.00010	0.01					0.00050	0.18
Hg	1.0	0.00050	0.15	0.00050	0.16						
Ca	1.0	0.00100	0.03	0.00100	0.03			0.00050	0.03		
Cd	1.0	0.00010	0.02	0.00010	0.02						
Sn		REF	REF	REF	REF	REF	REF	REF	REF	REF	REF

*3970 - document for Bruker use. See file for other alloys. Bruker book is in full method (157)*

Zn

Tasman 200	LOD	Zn - Orientation Zn10		Zn - Primary Zinc Zn110		Zn - Remelt Zinc Zn130		Zn - Zamac Zn130		Zn - Al 6-18 Zn140		Zn - Al 35-75 Zn160	
Element	ppm	min %	max %	min %	max %	min %	max %	min %	max %	min %	max %	min %	max %
Pb	0.0	0.00050	0.00	0.00050	0.00	0.00050	0.00	0.00050	0.00	0.00050	0.00	0.00050	0.00
Mg	1.0	0.00100	2.00	0.00100	0.13	0.00100	0.20	0.00100	0.12	0.00100	0.14	0.00100	0.05
Al	20.0	0.00500	71.00	0.00200	0.55	0.00200	0.30	2.00000	7.50	4.00000	16.00	30.00000	53.00
Ca	1.0	0.00050	0.67	0.00050	0.66	0.00050	0.65	0.00050	0.65	0.00050	0.65	0.00050	0.65
Sn	20.0	0.00500	1.50	0.00100	0.10	0.00100	1.50	0.00100	0.01	0.00200	0.11	0.00100	0.02
Cu	1.0	0.00050	7.00	0.00050	0.50	0.00200	1.00	0.00100	7.00	0.30000	1.00	1.00000	1.50
Bi	100.0	0.00100	0.25	0.01000	0.18	0.01000	0.21						
Fe	20.0	0.00500	0.23	0.00200	1.40	0.00200	0.07	0.00200	0.14	0.01000	0.40	0.01000	0.30
Mn	1.0	0.00050	0.00	0.00050	1.00	0.00050	0.10	0.00200	0.10	0.01000	0.02	0.01000	0.02
Ni	20.0	0.00500	0.08	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01	0.00200	0.01
Ti	20.0	0.00500	0.01	0.00200	0.02					0.00200	0.05		
In	40.0	0.00400	0.03	0.00300	0.03								
Bi	20.0	0.00500	0.03	0.00300	0.03	0.00300	0.02						
Cu	10.0	0.00500	0.05	0.00100	0.05	0.00100	0.06						
Cv	20.0	0.00500	0.20			0.00200	0.01						
Sn	20.0	0.00500	0.01			0.02							
La	20.0	0.00500	0.01			0.02							
Ag	20.0	0.00500	0.01			0.01							
Tl	1.0	0.00100	0.01			0.02							
Co	1.0	0.00100	0.01			0.02							
Zn	10.0	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF





**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

**PURCHASER'S (Buyer's) RESPONSIBILITY AND INDEMNITY:** Used machines, equipment or any part thereof, may not incorporate approved activating mechanisms, operator safety devices or safety guards as required by OSHA or otherwise. It shall be a Purchaser's (Buyer's) responsibility to ensure that any and all merchandise or equipment purchased from Die Cast Machinery, LLC or its affiliates is installed and operated in a proper and safe manner. Purchaser (Buyer) also acknowledges that it may have to install or change guards, safeties, warnings or other components to ensure that the merchandise or machines purchased will conform to all laws, codes, regulations, ordinances, statutes, insurance requirements and industry standards. Purchaser agrees to defend, indemnify and hold harmless Die Cast Machinery, LLC from and against all suits, claims, costs, damages and expenses, including, but not limited to, reasonable attorneys' fees, arising out of, or in connection with, the transportation, purchase, ownership, or use of the merchandise or equipment sold hereunder. Information has been obtained from sources deemed reliable, buyers should avail themselves of the opportunity to inspect the items before purchase.